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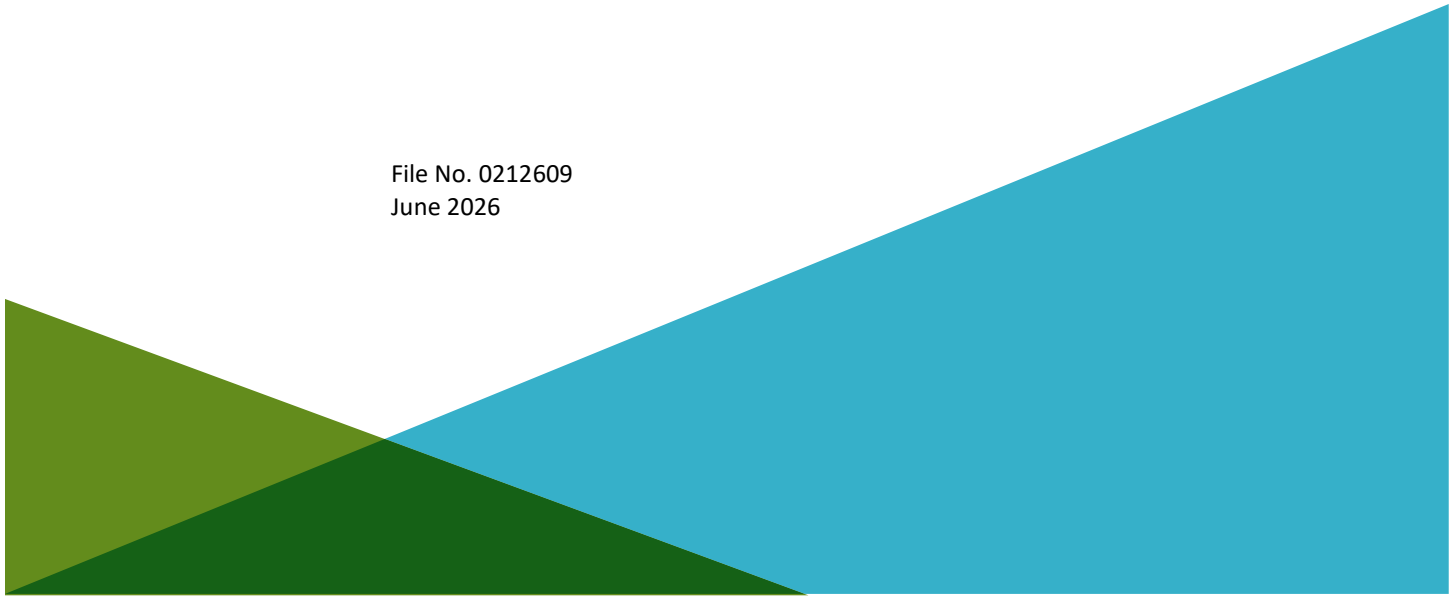
REMEDIAL INVESTIGATION REPORT

FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
8-01 AND 8-51 26TH AVENUE
QUEENS, NEW YORK
NYSDEC SITE NO. C241295

by
H & A of New York Engineering and Geology, LLP
New York, New York

for
KS Astoria Holdings LLC
Newark, New Jersey

File No. 0212609
June 2026



H & A OF NEW YORK ENGINEERING
AND GEOLOGY, LLP
213 W. 35TH STREET, 7TH FLOOR
NEW YORK, NY 10001
646.277.5685

SIGNATURE PAGE FOR

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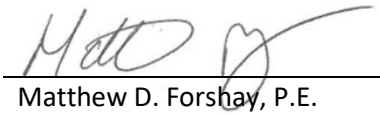
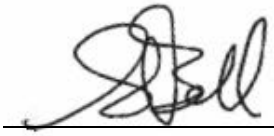
PREPARED FOR
KS ASTORIA HOLDINGS LLC
NEWARK, NEW JERSEY

PREPARED BY:

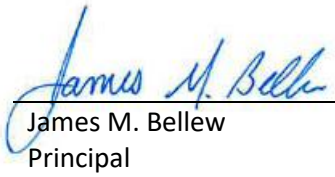


Matthew D. Forshay, P.E.
Senior Technical Specialist
H & A of New York Engineering and Geology, LLP

REVIEWED AND APPROVED BY:



Suzanne M. Bell, P.E.
Senior Associate
H & A of New York Engineering and Geology, LLP



James M. Bellew
Principal
H & A of New York Engineering and Geology, LLP

Certification

This report documents remedial investigation activities conducted at the Former Tilsdale Lumber and Coal Redevelopment Site located at 8-01 and 8-51 26th Avenue, Queens, New York.

I, James M. Bellew, certify that I am currently a Qualified Environmental Professional as defined in Title 6 of the New York Codes, Rules and Regulations, Part 375, and that this Remedial Investigation Report[1] was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the Division of Environmental Remediation 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.

June 22, 2026

James M. Bellew *Date*

[1] *Certification applies to remedial investigation activities conducted after the execution of the Brownfield Cleanup Agreement dated October 22, 2025.*

Table of Contents

		Page
Certification		i
List of Tables		iv
List of Figures		iv
List of Appendices		v
List of Acronyms and Abbreviations		vi
1.	**Introduction**	**1**
1.1	PURPOSE AND OBJECTIVES	1
2.	**Site Background**	**2**
2.1	SITE LOCATION AND DESCRIPTION	2
2.2	GEOLOGY AND HYDROGEOLOGY	2
2.3	SITE HISTORY	2
2.4	REDEVELOPMENT PLANS	3
3.	**Summary of Previous Investigations**	**4**
4.	**Remedial Investigation Approach**	**9**
4.1	PROJECT TEAM	9
4.2	GROUND-PENETRATING RADAR SURVEY	10
4.3	SOIL BORING INSTALLATION AND SOIL SAMPLING	10
4.4	PERMANENT MONITORING WELL INSTALLATION AND GROUNDWATER SAMPLING	11
4.5	SOIL VAPOR PROBE INSTALLATION AND SOIL VAPOR SAMPLING	13
4.6	DEVIATIONS FROM THE RIWP	13
4.7	QUALITY ASSURANCE/QUALITY CONTROL	14
4.8	FIELD EQUIPMENT DECONTAMINATION	14
4.9	INVESTIGATION DERIVED WASTE	14
4.10	REPORTING	15
5.	**Health and Safety**	**16**
6.	**Contaminants of Concern and Nature and Extent of Contamination**	**17**
6.1	APPLICABLE STANDARDS	17
6.2	SOIL SAMPLING RESULTS	17
6.2.1	Volatile Organic Compounds	17
6.2.2	Semi-Volatile Organic Compounds	18
6.2.3	Pesticides	18
6.2.4	Metals	19
6.2.5	Polychlorinated Biphenyls	19
6.2.6	Emerging Contaminants	19

Table of Contents

		Page
6.3	GROUNDWATER SAMPLING RESULTS	20
6.3.1	Volatile Organic Compounds	20
6.3.2	Semi-Volatile Organic Compounds	20
6.3.3	Pesticides	20
6.3.4	Total Metals	20
6.3.5	Dissolved Metals	20
6.3.6	Polychlorinated Biphenyls	21
6.3.7	Emerging Contaminants	21
6.4	SOIL VAPOR SAMPLING RESULTS	21
6.5	DATA VALIDATION	22
6.6	DATA USE	22
7.	**Conceptual Site Model**	**23**
7.1	AREAS OF CONCERN	23
7.1.1	AOC 1 – CVOC Source Area	23
7.1.2	AOC 2 – Site-Wide Contamination in Subsurface Soils	23
7.1.3	AOC 3 – Groundwater Impacts	23
7.1.4	AOC 4 – Soil Vapor Impacts	23
7.2	POTENTIAL ON-SITE SOURCES	23
8.	**Human Health and Environmental Risk Evaluation**	**25**
8.1	HUMAN HEALTH RISK EVALUATION	25
8.1.1	Receptor Population	25
8.1.2	Contaminant Sources	26
8.1.3	Contaminant Release and Transport	26
8.1.4	Exposure Routes and Mechanisms	26
8.1.5	Exposure Assessment	27
8.2	FISH AND WILDLIFE IMPACT ANALYSIS	28
8.2.1	Site Description	28
8.2.2	Fish and Wildlife Resources Description	29
9.	**Green and Sustainable Remediation and Climate Resiliency**	**30**
9.1	BEST PRACTICES AND TECHNIQUES EMPLOYED	30
9.2	CLIMATE RESILIENCY EVALUATION	31
9.3	ENVIRONMENTAL FOOTPRINT ANALYSIS	31
10.	**Conclusions and Recommendations**	**32**
10.1	CONCLUSIONS	32
10.2	RECOMMENDATIONS	32
References		**33**

List of Tables

Table No.	Title
I	Sampling and Analysis Summary
II	Synoptic Monitoring Well Gauging Results
III	Summary of Soil Quality Data
IV	Summary of Groundwater Quality Data
V	Summary of Soil Gas Quality Data

List of Figures

Figure No.	Title
1	Project Locus
2	Site Plan
3	Groundwater Contour Map
4	Sample Location Map
5	Soil Results Exceedance Map
6	CVOC Results Exceedance Map
7	Groundwater Results Exceedance Map
8	Soil Vapor Results Map

List of Appendices

Appendix	Title
A	Remedial Investigation Work Plan
B	Ground-Penetrating Radar Survey Report
C	Soil Boring Logs
D	Survey Map
E	Monitoring Well Construction Diagrams
F	Groundwater Sampling Logs
G	Soil Vapor Sampling Logs
H	Analytical Laboratory Reports
I	Data Usability Summary Reports
J	Daily Reports
K	Green and Sustainable Remediation and Climate Screening
L	Checklist Fish and Wildlife Resource Impact Analysis Part 1

List of Acronyms and Abbreviations

µg/L	micrograms per liter
µg/m^3	micrograms per cubic meter
A	
amsl	Above Mean Sea Level
AOCs	Areas of Concern
ASP	Analytical Services Protocol
AWQS	Ambient Water Quality Standards
B	
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
bgs	below grade surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
C	
CAMP	Community Air Monitoring Program
Coastal	Coastal Environmental Solutions, Inc.
COC	contaminant of concern
cu yd	cubic yard
CUSCO	Commercial Use Soil Cleanup Objective
CVOC	chlorinated volatile organic compound
D	
DER	Division of Environmental Remediation
DER-10	Division of Environmental Remediation-10 *(specifically "May 2010 NYSDEC Technical Guidance for Site Investigation and Remediation")*
DPK	DPK Consulting LLC
DUSR	Data Usability Summary Report
E	
El.	Elevation
ELAP	Environmental Laboratory Approval Program
ESA	Environmental Site Assessment
ESI	Environmental Site Investigation
F	
FER	Final Engineering Report
FSP	Field Sampling Plan
ft	feet/foot
FWRIA	Fish and Wildlife Resources Impact Analysis

List of Acronyms and Abbreviations (continued)

G	
GEI Consultants	GEI Consultants, Inc., P.C.
GPR	ground-penetrating radar
GV	Guidance Value
H	
Haley & Aldrich of New York	H & A of New York Engineering and Geology, LLP
HASP	Health & Safety Plan
HAZWOPER	Health Administration Hazardous Waste Operations and Emergency Response
HREC	Historical Recognized Environmental Condition
I	
in.	inch
L	
L/min	Liters per minute
M	
MDL	method detection limit
mg/kg	milligrams per kilogram
Mhz	megahertz
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N	
NAVD88	North American Vertical Datum of 1988
NOVA	NOVA Geophysical Services
NTU	Nephelometric turbidity units
NYCRR	New York Codes, Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
O	
OSHA	Occupational Safety and Health Administration

List of Acronyms and Abbreviations (continued)

P

Pace	Pace Analytical Services, LLC
PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyl
PCE	tetrachloroethene
PFAS	per- and polyfluoroalkyl substances
PFOA	perfluorooctanoic acid
PFOS	perfluorooctanesulfonic acid
PGWSCO	Protection of Groundwater Soil Cleanup Objective
PIC	Principal-in-Charge
PID	photoionization detector
PM10	particulate matter smaller than 10 microns in diameter
PPE	Personal protective equipment
ppm	parts per million
ppt	parts per trillion
PQL	Practical quantitation limit
PVC	polyvinyl chloride

Q

QA/QC	Quality Assurance/Quality Control
QAO	Quality Assurance Officer
QAPP	Quality Assurance Project Plan
QEP	Qualified Environmental Professional
QHHEA	Qualitative Human Health Exposure Assessment

R

RA	Remedial Action
RAWP	Remedial Action Work Plan
REC	Recognized Environmental Condition
RI	Remedial Investigation
RIR	Remedial Investigation Report
RIWP	Remedial Investigation Work Plan
RRSCO	Restricted-Residential Soil Cleanup Objectives

S

SCO	Soil Cleanup Objective
SEFA	Spreadsheets for Environmental Footprint Analysis
Site	the property located at 8-01 and 8-51 26th Avenue, Queens, New York
SMP	Site Management Plan
SMMP	Soil Materials Management Plan
sq ft	square feet
SVOC	Semi-Volatile Organic Compound

List of Acronyms and Abbreviations (continued)

T	
TAL	Total Analyte List
TCE	trichloroethene
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
TOGS 1.1.1	Technical and Operational Guidance Series 1.1.1 *(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")*
U	
USEPA	United States Environmental Protection Agency
UST	underground storage tank
UUSCO	Unrestricted Use Soil Cleanup Objective
V	
VOC	volatile organic compound
Volunteer	KS Astoria Holdings LLC

1. Introduction

This Remedial Investigation Report (RIR) was developed by H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) on behalf of KS Astoria Holdings LLC (the "Volunteer") for the proposed development of the property located at 8-01 and 8-51 26th Avenue, Queens, New York (the "Site"). KS Astoria Holdings LLC applied to and was 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 KS Astoria Holdings LLC on October 22, 2025 (BCP Site No. C241295).

The activities of this Remedial Investigation (RI) were conducted from February 3, 2026, through March 16, 2026, in accordance with the Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10) and the NYSDEC-approved January 2026 Remedial Investigation Work Plan (RIWP) provided in **Appendix A**.

1.1 PURPOSE AND OBJECTIVES

Previous subsurface investigations conducted at the Site identified the presence of volatile organic compounds (VOCs), specifically chlorinated volatile organic compounds (CVOCs); semi-volatile organic compounds (SVOCs), specifically polycyclic aromatic hydrocarbons (PAHs); metals, including lead, mercury, and trivalent chromium; pesticides; polychlorinated biphenyls (PCBs); and per- and poly fluoroalkyl substances (PFAS) in soil; CVOCs, SVOCs, PCB, and PFAS in groundwater; and CVOCs in soil vapor.

Previous investigations did not comprehensively delineate the extent of soil, groundwater, and soil vapor contamination on the Site. Additional investigation was required to ascertain and delineate any on-Site source(s) of contamination. Results of the additional sample analyses 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 (RA).

2. Site Background

2.1 SITE LOCATION AND DESCRIPTION

The Site is identified as Block 906, Lots 1 and 5 on the New York City tax map. The Site is approximately 1.598 acres (69,616 square feet [sq ft]) and is currently an open, undeveloped lot used by several contractors for storage of equipment and materials. The Site is bounded by the East River to the north; an unimproved section of 26th Avenue, followed by an active construction site (Buildings 4 and 5) to the south; a 23-story multi-family building and two three-story, one- and two- family residences to the east; and an open, unimproved lot followed by two one-story industrial use buildings to the west.

The Site is located within a residential zoning district (R7-3) with a commercial overlay (C2-4) in an urban area characterized by multi-story residential and commercial buildings and industrial and manufacturing buildings. The Volunteer plans to redevelop the Site for residential purposes, which is consistent with current zoning.

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 ground level elevation on the Site ranges from approximately 13.22 to 31.15 feet (ft) above mean sea level (AMSL), sloping downwards towards the northeast, and with an elevated portion in the center of the Site. The Site is underlain by a layer of contaminated fill consisting of mainly black and brown medium to fine sand, with varying amounts of gravel, brick, asphalt, and rock fragments observed from surface to grade to approximately 15 to 30 ft below grade surface (bgs) at boring locations within the elevated portion of the Site and from surface grade to approximately 2 to 15 ft bgs at boring location outside the elevated portion of the Site. The fill interval was observed to be underlain by a native layer consisting of brown medium to fine sand with varying amounts of gravel extending to the terminus of each boring between 15 and 40 ft bgs.

Groundwater was encountered at elevations ranging from 1.90 to 3.97 ft AMSL throughout the Site based on the North American Vertical Datum of 1988 (NAVD88). Groundwater beneath the Site generally flows from southwest to northeast. A groundwater contour map is provided as **Figure 3.**

2.3 SITE HISTORY

Based on a Phase I Environmental Site Assessment (ESA) completed by Haley & Aldrich of New York for the Site in March 2025, the Site was first developed in the late 1890s. Lot 1 was improved with a dwelling, and Lot 5 was improved with a lumber shed, a coal bin, coal pockets, a small office, and a dwelling operated by “Tilsdale Lumber & Coal Yard.” By 1915, the dwelling on Lot 1 was razed and replaced with lumber piles and occupied by “Tilsdale Lumber & Coal Yard.” During that time, Lot 5 was improved with coal pockets, lumber piles, a lumber shed, and multiple storage buildings. By 1948, the

lumber yard structures were replaced with a large industrial building on Lot 5 and a smaller building on Lot 1, which were attached to the west-adjacent buildings operated by "Morey Machinery Co. Inc.," a machine shop. The building on Lot 5 was utilized for assembly, and the building on Lot 1 was utilized for heat treatment, grinding, and storage. By 1981, the same structures were depicted on the Sanborn Fire Insurance Maps, but the buildings were occupied by "Superstud Superior Steel Stud Manufacturing." From the 1990s to 2006, both lots remained unchanged. The buildings were demolished in 2023.

KS Astoria Holdings LLC is the current owner of the Site, with the deed recorded and filed on April 7, 2025.

2.4 REDEVELOPMENT PLANS

The planned project will consist of constructing a new eight-story residential building and one cellar level as Building 3A and a new 26-story residential tower atop an eight- to 10-story residential podium and one cellar level as Building 3B. The area to the west of the buildings will be developed as the 8th Street Mews, a public access area. The area to the north of the buildings will be developed as a paved pedestrian walkway. The areas to the south and east of the buildings will be finished with sidewalks. The new development is anticipated to extend approximately to an elevation (El.) of 8.5 ft NAVD88 and is consistent with current zoning.

3. Summary of Previous Investigations

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

1. June 2020, *Astoria Cove Additional Subsurface Sampling*, prepared by GEI Consultants, Inc., P.C. (GEI Consultants)
2. April 2022, *Remedial Investigation Report*, prepared by GEI Consultants
3. December 2023, *Geotechnical Report*, prepared by GEI Consultants
4. March 2025, *Phase I Environmental Site Assessment*, prepared by Haley & Aldrich of New York

Pertinent environmental findings of these investigations are summarized below.

June 2020, *Astoria Cove Additional Subsurface Sampling,* prepared by GEI Consultants

This report summarizes the data and findings of an additional subsurface investigation performed at the Site, referred to as the Phase 2 development area, and the surrounding Phase 1, 3, and 4 development areas between February and June 2020.

A total of 12 geotechnical soil borings (B-12 through B-23) were completed at the Site. The soil borings were generally advanced to 75 to 100 ft bgs, or approximately 10 ft into bedrock. One of these borings (B-16) was finished as a well to obtain depth to water readings. Soil samples were collected from five of the borings (B-15, B-16, B-21, B-22, and B-23) based on visual and olfactory findings and photoionization detector (PID) screening results. Samples were analyzed for Target Compound List (TCL), VOCs, SVOCs, PCBs, pesticides, herbicides, and Target Analyte List (TAL) metals. The analytical data were compared to Title 6 of the New York Codes, Rules, and Regulations (6NYCRR) Part 375 6.8 Unrestricted Use Soil Cleanup Objectives (UUSCOs), Restricted Residential Use Soil Cleanup Objectives (RRSCOs), and Commercial Use Soil Cleanup Objectives (CUSCOs).

Urban fill was encountered throughout the Site and ranged in thickness from 2 ft to a maximum of 23 ft in the northern portion of the Site. Visual and olfactory impacts, including petroleum-like odors and black soil staining and elevated PID readings, were identified in the northern portion of the Site from the surface down to approximately 22 ft bgs. SVOCs exceeding UUSCOs and RRSCOs, and metals and PCBs exceeding UUSCOs, were identified in the southeast portion of the Site. VOCs and pesticides exceeding UUSCOs were identified in the soil in the northern portion of the Site.

April 2022, *Remedial Investigation Report*, prepared by GEI Consultants

GEI Consultants performed an RI at Block 906, Lots 1 and 5; a small portion of Block 907, Lot 1 (proposed Buildings 3A and 3B; the Site); Block 909, Lot 35 (proposed Building 4); and Block 908, Lot 12 (proposed Building 5) between January and February 2022 to provide information sufficient for establishing RA objectives, evaluating RAs, and selecting a remedy. The investigation included a geophysical survey, installation of nine soil borings (SB-100 through SB-108) across the Site to collect 18 soil samples, four

groundwater monitoring wells (MW-1 through MW-4) to collect four samples, and six soil vapor probes (SV-1 through SV-6) to collect six samples. Soil samples were analyzed for VOCs, SVOCs, TAL metals, pesticides, PCBs, 1,4-dioxane, and PFAS. Groundwater samples were analyzed for VOCs, SVOCs, TAL metals, pesticides, PCBs, 1,4-dioxane, and PFAS. Soil vapor samples were analyzed for VOCs.

Field observations and laboratory analytical results are summarized below:

- The stratigraphy from the Site, from the surface down, consists of historic fill material to a depth of 5 to 10 ft underlain by glacial sands and gravel to the termination depth of the borings. The historic fill generally consisted of sand with silt and gravel containing brick and concrete fragments. No visual impacts (e.g., staining, odors, sheens, etc.) were identified, and no PID readings above background were noted. Depth to bedrock was encountered at a previous geotechnical investigation at approximately 75 to greater than 100 ft bgs. The depth to groundwater at the Site ranges between 10 and 20 ft in the northern portion of the Site and generally flows from south to north beneath the Site towards the East River.
- Soil/fill samples collected during the RI were compared to the 6NYCRR Part 375-6.8 UUSCOs and the RRSCOs. Soil results for proposed Building 3A and Building 3B are summarized below:
  - VOCs, including acetone (maximum of 0.12 milligrams per kilogram [mg/kg]), tetrachloroethene (PCE; maximum of 38 mg/kg), and trichloroethene (TCE; 0.86 mg/kg), were detected at concentrations exceeding UUSCOs. Of these VOCs, PCE was also detected at concentrations above RRSCOs.
  - SVOCs, including benzo(a)anthracene (maximum of 3.4 mg/kg), benzo(a)pyrene (maximum of 2.9 mg/kg), benzo(b)fluoranthene (maximum of 4.2 mg/kg), benzo(k)fluoranthene (1.2 mg/kg), chrysene (maximum of 3.1 mg/kg), dibenzo(a,h)anthracene (0.38 mg/kg), and indeno(1,2,3-cd)pyrene(maximum of 2 mg/kg) were detected at concentrations exceeding their UUSCOs. Of these SVOCs, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene, were also detected at concentrations exceeding their RRSCOs.
  - Pesticides, including 4,4'-DDE (0.00562 mg/kg), 4,4'-DDD (0.0072 mg/kg), and 4,4'-DDT (0.0233 mg/kg), were detected at concentrations exceeding their UUSCOs.
  - PCBs, including Aroclor 1248 (maximum of 3.21 mg/kg), Aroclor 1254 (3.44 mg/kg), Aroclor 1260 (0.117 mg/kg), Aroclor 1268 (1.22 mg/kg), and total PCBs (maximum of 3.44 mg/kg), were detected at concentrations exceeding their UUSCOs. Of these PCBs, Aroclor 1248, Aroclor 1254, Aroclor 1268, and total PCBs were also detected at concentrations exceeding their RRSCOs.
  - Metals, including copper (maximum of 156 mg/kg), lead (maximum of 168 mg/kg), mercury (maximum of 1.45 mg/kg), nickel (140 mg/kg), trivalent chromium (maximum of 220 mg/kg), and zinc (maximum of 265 mg/kg), were detected at concentrations exceeding their UUSCOs. Of these metals, mercury and trivalent chromium were also detected at concentrations exceeding their RRSCOs.
  - Emerging contaminants, including perfluorooctanoic acid (PFOA) (0.000046 mg/kg), perfluorooctanesulfonic acid (PFOS) (0.00128 mg/kg), and perfluoroundecanoic acid

(PFUnA) (0.000059 mg/kg) were detected in the soil samples. 1,4-dioxane was not detected in any of the soil samples.

- Groundwater samples collected during the RI were compared to the 6NYCRR Part 703.5 Class GA Ambient Water Quality Standards (AWQS). Groundwater results for Building 3A and Building 3B are summarized below:
  - No pesticides were detected at concentrations above their AWQS.
  - VOCs, including PCE (11 micrograms per liter [µg/L]) and TCE (maximum of 13 µg/L), were detected at concentrations exceeding their AWQS.
  - SVOCs, including benzo(a)anthracene (maximum of 0.54 µg/L), benzo(a)pyrene (maximum of 0.56 µg/L), benzo(b)fluoranthene (maximum of 0.77 µg/L), benzo(k)fluoranthene (maximum of 0.2 µg/L), chrysene (maximum of 0.45 µg/L), indeno(1,2,3-cd)pyrene (maximum of 0.47 µg/L), and phenol (maximum of 3.9 µg/L), were detected at concentrations exceeding their AWQS. Phenol was detected in the field blank sample (FB-020222) at a concentration of 2.4 µg/L, which is above the AWQS of 1 µg/L.
  - PCBs, including Aroclor 1248 (1.01 µg/L), Aroclor 1254 (1.13 µg/L), Aroclor 1260 (0.145 µg/L), and total PCBs (2.29 µg/L), were detected at concentrations exceeding their AWQS.
  - Dissolved metals, including magnesium (maximum of 494,000 µg/L), manganese (1,124 µg/L), and sodium (maximum of 4,410,000 µg/L), were detected at concentrations exceeding their AWQS.
  - Emerging contaminants, including perfluorobutanoic acid (PFBA) (maximum of 0.0131 µg/L), perfluoropentanoic acid (PFPeA) (maximum of 0.0204 µg/L), perfluorobutanesulfonic acid (PFBS) (maximum of 0.00727 µg/L), perfluorohexanoic acid (PFHxA) (maximum of 0.0227 µg/L), perfluoroheptanoic acid (PFHpA) (maximum of 0.0157 µg/L), perfluorohexanesulfonic acid (PFHxS) (maximum of 0.0272 µg/L), PFOA (maximum of 0.0409 µg/L), perfluoroheptanesulfonic acid (PFHpS) (maximum of 0.00638 µg/L), perfluorononanoic acid (PFNA) (0.0026 µg/L), PFOS (maximum of 0.038 µg/L), perfluorodecanoic acid (PFDA) (0.00081 µg/L), perfluorotetradecanoic acid (PFTA) (0.000508 µg/L), and 1,4-dioxane (maximum of 0.425 µg/L), were detected in the groundwater samples.
- Soil vapor samples collected during the RI were compared to the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion matrices dated October 2006. Soil vapor results are summarized below:
  - Soil vapor results indicated low levels of petroleum-related VOCs and elevated levels of CVOCs.
  - The total concentration of petroleum-related VOCs (benzene, toluene, ethylbenzene, and xylenes [BTEX]) ranged from 2.449 micrograms per cubic meter (µg/m³) to 14.9 µg/m³.
  - CVOCs, including 1,1,1-trichloroethane (ranging from 7.15 µg/m³ to 606 µg/m³), methylene chloride (2.48 µg/m³), and TCE (23.2 µg/m³), were detected in the soil vapor

samples. Other CVOCs, including carbon tetrachloride, PCE, and vinyl chloride, were not detected in any of the soil vapor samples.

- Acetone was detected in the soil vapor samples ranging from 69.8 µg/m³ to 3,470 µg/m³. Acetone is a common laboratory contaminant.

December 2023, *Geotechnical Report*, prepared by GEI Consultants

GEI Consultants completed a subsurface investigation to investigate subsurface conditions at the Site (Buildings 3A/3B) and surrounding proposed development areas (Buildings 4 and 5) and present recommendations for foundations and other geotechnical aspects of design and construction. The geotechnical subsurface investigation tasks included:

- Engaging a test boring contractor to drill 27 geotechnical test borings and install six observation wells in support of Buildings 3A/3B, Building 4, and Building 5 for geotechnical design (borings B12 through B23, B101, and B102 are located on the Site);
- Performing split spoon sampling and cumulatively collecting about 68 ft of rock cores;
- Evaluating soil and rock samples recovered from the test borings and preparing test boring logs; and
- Performing geotechnical index testing on soil samples from the test borings.

The following observations were made during the investigation:

- The stratigraphy at the Site consists of pavement and fill underlain by native loose sand, followed by a discontinuous clay layer, a sand layer, till, decomposed/weathered rock, and then bedrock.
- Fill was identified at all exploration locations completed at the Site to depths between 2 and 10 ft bgs. The fill generally consisted of brown silty sand with varying amounts of glass, wood, bricks, and other construction debris.
- Groundwater levels were gauged in the observation wells installed in geotechnical test borings in March 2020: B5 (OW), B8 (OW), B16 (OW), B29(OW), and B53 (OW). B16(OW), located within the Site, had a groundwater level reading of 17.3 ft bgs (El. 4 ft [NAVD88]). In February 2022, four temporary wells (MW-1 through MW-4) were installed at the Site and subsequently gauged. Groundwater level readings ranged from approximately 11.3 to 17.6 ft bgs (El. 1.1 to 2 ft [NAVD88]).

March 2025, Phase I ESA, prepared by Haley & Aldrich of New York

The Phase I ESA prepared by Haley & Aldrich of New York revealed two Recognized Environmental Conditions (RECs) in connection with the Site associated with the former uses of the Site and documented contamination in soil, groundwater, and soil vapor. The Site was historically used for industrial and manufacturing purposes since the late 1800s. Manufacturing and dry cleaning facilities commonly utilize hazardous materials, including petroleum products and chlorinated solvents. The historical uses of the Site and adjacent properties are considered a REC, as potential or undocumented

releases of petroleum products, solvents, and/or other hazardous materials may have adversely affected groundwater, soil, and/or soil vapor at the Site. A subsurface investigation performed by GEI Consultants from February to June 2020 identified contamination in soil, including SVOCs, metals, and PCBs, at the Site.

An RI performed by GEI Consultants in January and February 2022 at the Site identified heavy metals, PFAS, CVOCs, SVOCs, PCBs, and pesticides in soil; heavy metals, PFAS, and CVOCs in groundwater; and VOCs and CVOCs in soil vapor. The presence of fill material was observed in both investigations to depths of 5 to 20 ft bgs. Documented subsurface contamination at the Site is considered a REC. Additionally, the Phase I ESA revealed one Historical Recognized Environmental Condition (HREC) in connection with the Site associated with a listing in the NY Spills database. According to the database, spill number 9602429 occurred on the Site on May 20, 1996, due to a fire at the former Superstud Superior Steel Stud Manufacturing facility. This spill resulted in an unknown quantity of limestone runoff discharged into the East River. This spill is considered an HREC because the case was closed by the NYSDEC on May 21, 1996.

4. Remedial Investigation Approach

4.1 PROJECT TEAM

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

James M. Bellew was the Qualified Environmental Professional (QEP) and Principal-in-Charge (PIC) for this work. In this role, Mr. Bellew was responsible for the overall completion of each task as per the requirements outlined in the Field Sampling Plan (FSP) and in accordance with the DER-10 guidance.

Emily Butler was the Haley & Aldrich of New York Project Manager for this work. In this role, Ms. Butler 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. As the Project Manager, Ms. Butler was responsible for communications with the NYSDEC Case Manager regarding project status, schedule, issues, and updates for project work.

Zachary P. Simmel was the field team leader for this work. Mr. Simmel acted as the Quality Assurance Officer (QAO). The QAO ensured the application and effectiveness of the Quality Assurance Project Plan (QAPP) by the analytical laboratory and the project staff, provided input to the field team as to corrective actions that may have been required as a result of the above-referenced evaluation, and prepared and/or reviewed data validation and audit reports.

Calvin R. Jackson was the field geologist responsible for implementing the field effort for this work. Mr. Jackson's responsibilities included implementing the RIWP and FSP 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 Drill rig operators to implement the NYSDEC-approved RIWP scope of work, including advancement of soil borings, installation of groundwater monitoring wells, and installation of soil vapor probes.

Soil and groundwater samples were collected into 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 Pace Analytical Services, LLC (Pace) of Westborough, Massachusetts (Certification No. 11148). Soil vapor samples were collected into laboratory-supplied batch certified-clean 2.7-liter Summa® canisters with two-hour flow controllers and transported under a standard chain of custody to Pace of Mansfield, Massachusetts (Certification No. 12191). Pace is an NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory and was responsible for analyzing samples as per the analyses and methods identified in the approved RIWP and as described in this RIR. **Table I** provides a summary of all soil samples collected as part of this RI, including sample locations, sample depths, and analyses performed on each sample. Additional

details regarding the sampling methods are described in the approved RIWP. All sample locations are shown on **Figure 4**.

4.2 GROUND-PENETRATING RADAR SURVEY

Haley and Aldrich of New York oversaw a ground-penetrating radar (GPR) survey performed at the Site by NOVA Geophysical Services (NOVA) on February 3, 2026. The survey was conducted to identify the presence of any utilities, underground storage tanks (USTs), or any other anomalies that may be present in the subsurface, as well as to clear each soil boring location. Accessible areas of the Site were scanned using a GSSI UtilityScan 350-megahertz (Mhz) GPR, a high-range precision utility detector, and a RadioDetection RD7100®, an electromagnetic pipe and cable locator. Surface conditions allowed a maximum GPR penetration of 6 ft bgs in most areas. No utilities or anomalies indicative of a UST were identified on the Site; however, one linear anomaly was identified in the western portion of the Site. Full results of the GPR survey are provided in **Appendix B.**

4.3 SOIL BORING INSTALLATION AND SOIL SAMPLING

Thirty-one soil borings were advanced to a maximum depth of 40 ft bgs, using track-mounted Geoprobe® 7822 DT and Eijkelkamp® CRS XL 140 DUO SONIC drill rigs operated by a licensed operator provided by Coastal. Soil samples were collected from acetate liners using a stainless-steel trowel or sampling spoon. Soil samples representative of Site conditions were collected at 31 locations across the Site, as shown on **Figure 4**. Three to four samples were collected at each boring, including from 0 to 2 ft bgs, a 2-ft intermediate fill sample collected from between 2 and 16 ft bgs, and a sample either from the 2-ft interval above the groundwater interface or from the 2-ft interval below development depth. An additional soil sample was also collected at soil boring RI-SB-07, below where olfactory and instrumental contamination was observed. Samples were collected using laboratory-provided clean glassware.

Three additional soil samples from boring locations SB-106_D, B-15_D, and B-21_D were sampled to delineate lead concentrations above 100 parts per million (ppm) identified during previous sampling events. Lead delineation samples were collected from 0 to 2 ft bgs at B-15_D and B-21_D and from 3 to 5 ft bgs at SB-106_D. Eighteen additional soil samples were collected to delineate boring locations that identified elevated levels of CVOCs. CVOC resamples were collected from 0 to 2 ft bgs, 3 to 5 ft bgs, and 7 to 9 ft bgs at B-23 and SB-103, and CVOC delineation samples were collected from 0 to 2 ft bgs, 3 to 5 ft bgs, and 7 to 9 ft bgs at DB-02, DB-02A, DB-03A, and DB-03B. Exceedances of CVOCs in samples collected at DB-02, SB-103, and DB-03A resulted in the activation of 0 to 2 ft, 3 to 5 ft, and 7 to 9 ft samples collected at DB-02A, DB-03A, and SB-03B to further delineate the horizontal and vertical extent of CVOCs. VOC grab samples were collected using Terra Core sampling devices.

Soils were logged continuously by a geologist using the Modified Burmister Soil Classification System. The presence of staining, odors, and PID response was noted. Sampling methods and the QAPP are described and provided in the RIWP as Appendix B and Appendix C, respectively. Soil boring logs are provided as **Appendix C**. The soil boring locations were surveyed by DPK Consulting, LLC (DPK) on February 27, 2026. The survey map is included in **Appendix D.**

Haley & Aldrich of New York collected 72 soil samples (plus quality assurance/quality control [QA/QC] samples) for the full list of laboratory analyses, three delineation soil samples (plus QA/QC samples) analyzed for total and Toxicity Characteristic Leaching Procedure (TCLP) lead, and 18 resample or delineation soil samples (plus QA/QC samples) analyzed for CVOCs. Soil samples were relinquished under standard chain-of-custody protocol and delivered via courier to Pace for analysis.

Pace is an NYSDOH ELAP-certified laboratory. As detailed in **Table I**, soil samples were analyzed for the following:

- TCL VOCs using United States Environmental Protection Agency (USEPA) Method 8260D;
- TCL SVOCs using USEPA Method 8270E;
- TAL metals (including total and hexavalent chromium and cyanide) using USEPA Method 6020B;
- PCBs using USEPA Method 8082A;
- TCL pesticides using USEPA Method 8081B;
- PFAS by USEPA Method 1633A; and
- 1,4-dioxane by USEPA Method 8270E SIM.

As per NYSDEC DER-10 requirements, soil samples were collected for emerging contaminants. Samples analyzed for PFAS and 1,4-dioxane were collected and analyzed in accordance with the NYSDEC-issued "Guidelines for Sampling and Analysis of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs," dated April 2023 (referred to herein as the "April 2023 PFAS Guidance"), and the "Sampling for 1,4-dioxane and Per- and Polyfluoroalkyl Substances (PFAS) Under DECs Part 375 Remedial Programs," dated June 2019, respectively.

Table I provides a summary of all RI samples collected and analyzed, including sample depth/locations, sample rationale, QA/QC samples, and analyses performed. A Sample Location Map is provided as **Figure 3**.

4.4 PERMANENT MONITORING WELL INSTALLATION AND GROUNDWATER SAMPLING

The purpose of groundwater sampling was to obtain current groundwater data and analyze for additional parameters (i.e., PFAS and 1,4-dioxane) to meet NYSDEC DER-10 requirements for RIs.

Eleven of the 31 soil borings were converted into 2-inch (in.) permanent groundwater monitoring wells, which were installed to depths between 20 and 35 ft bgs. Each monitoring well was constructed using a 2-in.-diameter polyvinyl chloride (PVC) riser pipe with a 10-ft-long, 10-slot (0.01-in.) slotted PVC well screen. Each monitoring well was constructed with 2-in. annular space backfilled with clean No. 2 certified clean sand to approximately 2 ft above the top of the well screen. A bentonite seal was placed above the sand pack, and the remaining borehole was filled with bentonite grout. Monitoring well screens were installed to straddle the water table and provided space to allow for potential tidal influence. Each well was completed with a stick-up PVC riser pipe. Monitoring well construction diagrams are provided in **Appendix E**.

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 of New York collected 11 groundwater samples (plus QA/QC samples) for laboratory analysis, including the following:

- TCL VOCs using USEPA Method 8260D;
- TCL SVOCs using USEPA Method 8270E;
- Total and dissolved metals using USEPA Method 6020B;
- PCBs using USEPA Method 8082A;
- TCL pesticides using USEPA Method 8081B;
- PFAS using USEPA Method 1633A; and
- 1,4-dioxane using USEPA Method 8270E SIM isotope dilution.

Groundwater samples for PFAS and 1,4-dioxane were collected and analyzed in accordance with the NYSDEC-issued April 2023 “Sampling, Analysis, and Assessment of PFAS Under NYSDEC’s Part 375 Remedial Programs”.

Table I provides a summary of all RI samples collected and analyzed, including sample depth and location, sample rationale, QA/QC samples, and analyses performed. A sample location map is provided as **Figure 4**.

Groundwater monitoring wells were sampled utilizing a low-flow sampling procedure 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 F.**

DPK, a New York State-licensed surveyor, completed a monitoring well survey on February 27, 2026. Haley & Aldrich of New York performed a synoptic monitoring well gauging event on February 27, 2026. Groundwater was encountered at elevations ranging from 1.90 to 3.97 ft AMSL NAVD88 Site-wide. Groundwater beneath the Site generally flows from southwest to northeast beneath the Site. A groundwater contour map is provided on **Figure 3**, and a summary of the synoptic monitoring well gauging results is provided in **Table II**. A survey map summarizing the monitoring well survey data collected by the licensed surveyor is provided as **Appendix D**.

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, 2006). Eleven soil vapor probes were installed at variable depths between approximately 10 and 28 ft bgs due to elevation changes across the Site, or approximately 1 to 2 ft above the observed groundwater interface. Soil vapor implants were installed with either a Geoprobe® 7822 DT, Geoprobe® 7720 DT, or Eijkelkamp CRS XL 140 DUO SONIC drill rig to advance a stainless-steel probe to the desired sample depth.

To ensure the stainless-steel vapor probes were 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 two hours. At the conclusion of the sampling round, tracer gas 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 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 FSP provided in the approved RIWP. The soil vapor sampling log is provided in **Appendix G**.

Table I provides a summary of all RI samples collected and analyzed, including sample depth and locations, sample rationale, QA/QC samples, and analyses performed. A sample location map is provided as **Figure 4**.

4.6 DEVIATIONS FROM THE RIWP

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

- Several soil borings, monitoring wells, and soil vapor points were slightly relocated during the RI due to field conditions, the identification of a linear anomaly during the GPR survey, or multiple refusals at their original locations.
- The following soil boring locations were located within the elevated portion of the Site (approximately 10 to 15 ft above existing grade), and thus, borings were advanced between 35 and 40 ft bgs rather than 20 ft bgs as stated in the NYSDEC-approved RIWP, and intermediate fill samples and development depth samples were adjusted for the elevation changes.
  - RI-SB-04, RI-SB-06, RI-SB-07, RI-SB-09, RI-SB-13, RI-SB-14, RI-SB-15, RI-SB-17, and RI-SB-18
- One additional vertical delineation sample was collected from RI-SB-07 from 23 to 25 ft bgs due to odors and elevated PID readings detected within the deepest planned sample (20 to 22 ft bgs).
- Seven additional soil borings were advanced to delineate the horizontal and vertical extent of CVOCs in the area of historical borings B-23 and SB-103.

- Eighteen additional soil samples were collected and analyzed for CVOCs from these boring locations and B-23 and SB-103 boring location resamples.

4.7 QUALITY ASSURANCE/QUALITY CONTROL

The RI was conducted in accordance with Haley & Aldrich of New York's QAPP, provided as Appendix C in the RIWP. Haley & Aldrich of New York'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 method detection limit (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 Usability Summary Reports (DUSRs) are included as **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 sealed and labeled New York State Department of Transportation (NYSDOT)-approved 55-gallon 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. If soil was observed to have visual or olfactory impacts, it was separated and placed into a sealed and labeled NYSDOT-approved 55-gallon drum pending characterization and off-site disposal. Groundwater purged from the monitoring wells during development and sample collection was placed into an NYSDOT-approved 55-gallon drum pending off-Site disposal.

A total of seven NYSDOT-approved 55-gallon drums were generated during this RI, four of which contained purged groundwater/decontamination water and three of which contained soil cuttings. The

drums will be disposed of during the RA of the Site, and the manifest(s) will be provided in the Final Engineering Report (FER).

4.10 REPORTING

During the implementation of the NYSDEC-approved RIWP, daily reports were provided to the NYSDEC. Daily field reports included a summary of sampling and field activities, investigation progress updates, 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 G of the NYSDEC-approved RIWP.

The RI activities were conducted in accordance with an NYSDOH Generic Community Air Monitoring Plan (CAMP). CAMP data was provided to the NYSDEC in the daily reports included in **Appendix J**. During the RI sampling activities, air monitoring was performed at one upwind and one downwind location. No concentrations of VOCs or 15-minute average concentrations of particulate matter smaller than 10 microns in diameter (PM10) exceeded the action levels of 0.1 ppm and 150 µg/m^3, respectively. No exceedances were recorded, and no visible dust was observed leaving the Site perimeter during intrusive RI activities.

6. Contaminants of Concern and Nature and Extent of Contamination

6.1 APPLICABLE STANDARDS

Soil analytical results were compared to NYSDEC 6NYCRR Part 375 UUSCOs, RRSCOs, and applicable Protection of Groundwater Soil Cleanup Objectives (PGWSCOs). Note that no standards for PFAS in soil currently exist in New York State; however, the NYSDEC published soil Guidance Values (GVs) for PFOA and PFOS in October 2020 (latest revision April 2023). PFOA and PFOS soil sample results are compared to the UUSCO, RRSCO, and PGWSCO GVs outlined in the April 2023 PFAS Guidance.

Groundwater analytical results were compared to 6NYCRR Part 703.5 NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 AWQS and GVs for Class GA Water. Emerging contaminants PFOA and PFOS were compared to the GVs for PFOA and PFOS outlined in the NYSDEC April 2023 PFAS Guidance. Emerging contaminant 1,4-dioxane was compared to the GV as set by NYSDEC in March 2023.

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

6.2 SOIL SAMPLING RESULTS

Table III summarizes the analytical results from the soil sampling event. **Figure 5** presents the soil boring locations, as well as a summary of soil data from the soil sampling event. Soil boring logs are provided in **Appendix C**.

6.2.1 Volatile Organic Compounds

One VOC, TCE, was detected above UUSCO, RRSCO, and PGWSCO in RI-SB-18_14-16 at a concentration of 35 mg/kg. Additionally, acetone was detected in six soil samples at concentrations above its RRSCO and PGWSCO at a maximum concentration of 0.14 mg/kg in RI-SB-11_11-13.

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

6.2.1.1 Chlorinated Volatile Organic Compounds Delineation

Three CVOCs were detected above RRSCOs in delineation soil samples collected at the Site. PCE was detected at a maximum concentration of 72 mg/kg in DB-03A_3-5, TCE was detected at a maximum concentration of 3 mg/kg in DB-03A_3-5, and cis-1,2-Dichloroethene was detected at a maximum concentration of 3.2 mg/kg in SB-103_7-9.

No CVOCs were detected above applicable standards in B-23, thus samples collected at delineation boring locations DB-01A and DB-01B were not activated to be analyzed for CVOCs. **Figure 6** presents the CVOC delineation boring locations and a summary of exceedances.

6.2.2 Semi-Volatile Organic Compounds

Fourteen SVOCs were detected in multiple soil samples at concentrations above the UUSCOs, RRSCOs, and/or PGWSCOs. The maximum concentration of all SVOCs above the UUSCOs, RRSCOs, or PGWSCOs was detected in RI-SB-20_0-2, with the exception of Phenol, which was detected at its maximum concentration in RI-SB-06_10-12. Benzo(a)anthracene was detected above the RRSCO in seven soil samples, above the UUSCO in four soil samples, and above the PGWSCO in 11 soil samples at a maximum concentration of 82 mg/kg. Benzo(a)pyrene was detected above the RRSCO in 10 soil samples, and above the PGWSCO in one soil sample at a maximum concentration of 66 mg/kg. Benzo(b)fluoranthene was detected above the RRSCO in 10 soil samples, above the UUSCO in six soil samples, and above the PGWSCO in five soil samples at a maximum concentration of 82 mg/kg. Benzo(g,h,i)perylene was detected above the RRSCO in one soil sample and above UUSCO in 10 soil samples at a maximum concentration of 26 mg/kg. Benzo(k)fluoranthene was detected above the RRSCO in one soil sample, above the UUSCO in three soil samples, and above the PGWSCO in two soil samples at a maximum concentration of 21 mg/kg.

Chrysene was detected above the RRSCO in three soil samples, above the UUSCO in 10 soil samples, and above the PGWSCO in 13 soil samples at a maximum concentration of 71 mg/kg. Dibenz(a,h)anthracene was detected above the RRSCO in three soil samples at a maximum concentration of 8.1 mg/kg. Dibenzofuran was detected above the UUSCO only in soil sample RI-SB-20_0-2 at a concentration of 14 mg/kg. Fluoranthene was detected above the RRSCO only in soil sample RI-SB-20_0-2 at a concentration of 160 mg/kg. Fluorene was detected above the UUSCO only in soil sample RI-SB-20_0-2 at a concentration of 33 mg/kg. Indeno(1,2,3-cd)pyrene was detected above the RRSCO in three soil samples, above the UUSCO in 12 soil samples, and above the PGWSCO in one soil sample at a maximum concentration of 27 mg/kg. Phenanthrene was detected above the RRSCO in three soil samples and above the UUSCO in 12 soil samples at a maximum concentration of 190 mg/kg. Pyrene was detected above the RRSCO only in soil sample RI-SB-20_0-2 at a concentration of 140 mg/kg. Phenol was detected above the UUSCO and the PGWSCO in two soil samples at a maximum concentration of 3 mg/kg in RI-SB-06_10-12.

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

It should be noted that SVOC concentrations in RI-SB-20_0-2 were elevated compared to the QA/QC sample collected from the same interval (DUP-03_20260205). The discrepancy is most likely due to the heterogeneous nature of the fill material in surficial soils which contained varying amounts of brick and asphalt.

6.2.3 Pesticides

Six pesticides were detected above UUSCOs in multiple soil samples. 4,4'-DDD was detected above the UUSCO in nine soil samples at a maximum concentration of 0.0486 mg/kg in RI-SB-19_7-9. 4,4'-DDE was detected above the UUSCO in eight soil samples at a maximum concentration of 0.0236 mg/kg in RI-SB-11_11-13. 4,4'-DDT was detected above the UUSCO in 22 soil samples at a maximum concentration of 0.0834 mg/kg in RI-SB-11_11-13. alpha-Chlordane (cis) was detected above the UUSCO

in three soil samples at a maximum concentration of 0.0731 mg/kg in RI-SB-11_11-13. Dieldrin was detected above the UUSCO in four soil samples at a maximum concentration of 0.027 mg/kg in RI-SB-11_11-13. Heptachlor was detected above the UUSCO only in RI-SB-14_0-2 at a concentration of 0.0138 mg/kg.

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

6.2.4 Metals

Ten metals (including cyanide) were detected in multiple soil samples at concentrations above the UUSCOs, RRSCOs, and/or PGWSCOs. Arsenic was detected above the UUSCO only in soil sample RI-SB-01_0-2 at a concentration of 15.7 mg/kg. Cadmium was detected above the UUSCO and the RRSCO only in RI-SB-04_10-12 at a concentration of 3.99 mg/kg. Chromium VI (Hexavalent) was detected above the UUSCO and the RRSCO only in RI-SB-12_0-2 at a concentration of 1.81 mg/kg. Copper was detected above the UUSCO in 14 soil samples at a maximum concentration of 229 mg/kg in a duplicate sample of B-15_D_0-2. Lead was detected above the RRSCO and the PGWSCO in one soil sample, and above the UUSCO in 33 soil samples at a maximum concentration of 528 mg/kg in B-15_D_0-2. Mercury was detected above the RRSCO in five soil samples, above the UUSCO in two soil samples, and above the PGWSCO in one soil sample at a maximum concentration of 4.93 mg/kg in B-15_D_0-2. Nickel was detected above the UUSCO in eight soil samples at a maximum concentration of 57.9 mg/kg in RI-SB-04_10-12. Silver was detected above the UUSCO in three soil samples at a maximum concentration of 3.59 mg/kg in RI-SB-07_25-27. Zinc was detected above the UUSCO in 26 soil samples at a maximum concentration of 2300 mg/kg in RI-SB-07_10-12. Cyanide was detected above the UUSCO in two soil samples at a maximum concentration of 6.4 mg/kg in RI-SB-07_0-2.

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

6.2.5 Polychlorinated Biphenyls

PCBs were detected in multiple soil samples at concentrations above the UUSCO and RRSCO. PCBs were detected above the RRSCO in three soil samples and above UUSCOs in 26 soil samples at a maximum concentration of 2.98 mg/kg in RI-SB-16_0-2.

6.2.6 Emerging Contaminants

1,4-dioxane was detected above the UUSCO and PGWSCO only in soil sample RI-SB-17_20-22 at a concentration of 0.5 mg/kg.

PFOS was detected above the GVs for unrestricted use and protection of groundwater in 15 soil samples, at a maximum concentration of 0.0412 mg/kg in soil sample RI-SB-16_10-12

PFOA was detected above the GVs for unrestricted use and protection of groundwater in seven soil samples, at a maximum concentration of 0.00213 mg/kg in soil sample B-15_D_10-12.

6.3 GROUNDWATER SAMPLING RESULTS

Table IV summarizes the analytical results from the groundwater sampling event. **Figure 7** presents the groundwater monitoring well locations, as well as a summary of groundwater data from the groundwater sampling event. Groundwater sampling logs are provided in **Appendix F**.

6.3.1 Volatile Organic Compounds

One VOC, chloroform, was detected in two groundwater samples at concentrations above the AWQS, at a maximum concentration of 24 µg/L in MW-08.

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

6.3.2 Semi-Volatile Organic Compounds

Seven SVOCs were detected in eight groundwater samples collected at concentrations above the AWQS. Each SVOC was detected at its maximum concentration in MW-05, aside from bis(2-Ethylhexyl)phthalate, which was only detected in MW-04 at a concentration of 12 µg/L. The following SVOCs were detected above the AWQS and at their maximum concentrations at MW-05, including Benzo(a)anthracene at a maximum concentration of 1.2 µg/L, Benzo(a)pyrene at a maximum concentration of 1.3 µg/L, Benzo(b)fluoranthene at a maximum concentration of 1.5 µg/L, Benzo(k)fluoranthene at a maximum concentration of 0.55 µg/L, Chrysene at a maximum concentration of 1.1 µg/L and, Indeno(1,2,3-cd)pyrene at a maximum concentration of 0.85 µg/L.

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

6.3.3 Pesticides

No pesticides were detected above the AWQS in any groundwater samples collected.

6.3.4 Total Metals

Five total metals were detected above AWQS in several groundwater samples collected, including iron at a maximum concentration of 15,100 µg/L in the duplicate sample collected at MW-03, lead at a concentration of 53.62 µg/L in MW-07, magnesium at a maximum concentration of 751,000 µg/L in MW-01, manganese at a maximum concentration of 6,051 µg/L in MW-11, and sodium at a maximum concentration of 6,890,000 µg/L in MW-02.

6.3.5 Dissolved Metals

Three dissolved metals were detected above AWQS in several groundwater samples collected, including magnesium at a maximum concentration of 848,000 µg/L in MW-02, manganese at a maximum concentration of 8,868 µg/L in MW-11, and sodium at a maximum concentration of 6,660,000 µg/L in MW-02.

6.3.6 Polychlorinated Biphenyls

PCBs were detected at concentrations above the AWQS in one groundwater sample, MW-05, at a concentration of 0.415 µg/L

6.3.7 Emerging Contaminants

1,4-dioxane was compared to the NYSDEC GV of 0.35 µg/L. 1,4-dioxane was detected in two groundwater samples collected at concentrations above the NYSDEC GV, at a maximum concentration of 0.6 µg/L in MW-11.

Concentrations of PFOA and PFOS were compared to the NYSDEC GVs of 6.7 parts per trillion (ppt) for PFOA and 2.7 ppt for PFOS. PFOA was detected above the NYSDEC GV in 11 of the 12 groundwater samples, including one duplicate sample collected at MW-03. PFOA was detected at a maximum concentration of 75.5 ppt in MW-06. PFOS was detected above the NYSDEC GV in all twelve groundwater samples collected, at a maximum concentration of 53.1 ppt in MW-04.

6.4 SOIL VAPOR SAMPLING RESULTS

Table V provides a summary of the analytical results from the soil vapor sampling event. **Figure 8** provides the soil vapor sampling locations, as well as a summary of all 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 169.69 µg/m^3 in sample RI-SV-02 to 10,596.564 µg/m^3 in sample RI-SV-05. Total BTEX concentration in soil vapor samples ranged from 14.25 µg/m^3 in sample RI-SV-02 to 1148 µg/m^3 in sample RI-SV-04. Total CVOC concentration in soil vapor samples ranged from 6.2 µg/m^3 in sample RI-SV-11 to 10,347.544 µg/m^3 in sample RI-SV-05.

Several petroleum-related VOCs were detected at elevated concentrations in soil vapor samples, including benzene (maximum concentration of 15.8 µg/m^3 in RI-SV-09), toluene (maximum concentration of 675 µg/m^3 in RI-SV-04), ethylbenzene (maximum concentration of 2.18 µg/m^3 in RI-SV-11), m,p-xylenes (maximum concentration of 6.52 µg/m^3 in RI-SV-11), and o-xylene (maximum concentration 2.2 µg/m^3 in RI-SV-11).

Several CVOCs were detected at elevated concentrations in soil vapor samples, including PCE (maximum concentration of 9,360 µg/m^3 in RI-SV-05), TCE (maximum concentration of 860 µg/m^3 in RI-SV-05), 1,1,1-trichloroethane (maximum concentration of 4.93 µg/m^3 in RI-SV-01), and cis-1,2-dichloroethane (maximum concentration of 133 µg/m^3 in RI-SV-09). Additionally, chloroform was detected at a maximum concentration of 136 µg/m^3 in SV08, and chloromethane was detected at a maximum concentration of 237 µg/m^3 in RI-SV-04.

Several other VOCs were detected at elevated concentrations in soil vapor samples, including 1,1-dichloroethane (maximum concentration of 2,270 µg/m^3 in RI-SV-09), 1,3-butadiene (maximum concentration of 754 µg/m^3 in RI-SV-04), acetone (maximum concentration of 1,510 µg/m^3 in RI-SV-04), carbon disulfide (maximum concentration of 666 µg/m^3 in RI-SV-04), and ethanol (maximum concentration of 450 µg/m^3 in RI-SV-09).

6.5 DATA VALIDATION

DUSRs are provided in **Appendix I** and confirm the compliance of methods with the protocols described in the NYSDEC Analytical Services Protocol (ASP).

6.6 DATA USE

Validated analytical data, supplied in ASP Category B Data Packages in **Appendix H**, were submitted to the NYSDEC EQuIS database in an Electronic Data Deliverable package and successfully uploaded on April 22, 2026.

7. Conceptual Site Model

7.1 AREAS OF CONCERN

The following Areas of Concern (AOCs) were identified at the Site:

7.1.1 AOC 1 – CVOC Source Area

The results of previous investigations and the RI revealed the presence of CVOCs (specifically PCE) at concentrations exceeding the RRSCOs in soil and at elevated concentrations in soil vapor in the northwestern portion of the Site. Based on the analytical results from the CVOC delineation borings, the CVOC source area has been delineated horizontally and vertically and is approximately 865 sq ft, extending from 0 to 10 ft bgs, and consists of approximately 300 cubic yards (cu yd) of impacted soil.

7.1.2 AOC 2 – Site-Wide Contamination in Subsurface Soils

Subsurface soils throughout the Site are impacted with elevated concentrations of metals (including arsenic, cadmium, hexavalent chromium, copper, lead, mercury, nickel, silver, and zinc), SVOCs (including PAHs), pesticides, PCBs, and PFAS. These findings are consistent with characteristics of contaminated fill found throughout the New York City area and are not indicative of significant on-Site sources. The extent of the contaminated fill layer varies in depth from approximately 2 to 30 ft bgs.

7.1.3 AOC 3 – Groundwater Impacts

SVOCs (specifically PAHS), total and dissolved metals, PFAS, and in some areas, VOCs, PCBs, and 1,4-dioxane were detected above AWQS in groundwater at the Site. SVOCs, total and dissolved metals, and PFAS groundwater contamination is widespread and may have resulted from historical uses at the Site and from nearby properties hydraulically upgradient and cross-gradient.

7.1.4 AOC 4 – Soil Vapor Impacts

VOCs, specifically petroleum-related VOCs and CVOCs, are present in the vapor phase at the Site and are likely the result of historical Site use. Concentrations of petroleum-related VOCs, such as BTEX, were significantly higher in the vicinity of RI-SV-04. Concentrations of CVOCs, including PCE, TCE, 1,1,1-trichloroethane, and cis-1,2-dichloroethane, were detected at elevated concentrations across the Site. Concentrations of PCE were significantly higher in the vicinity of RI-SV-05, which was identified as a potential source area and further discussed in Section 7.1.1.

7.2 POTENTIAL ON-SITE SOURCES

Subsurface soils throughout the Site are impacted with elevated concentrations of metals, SVOCs (including PAHs), pesticides, PCBs, and PFAS within the contaminated fill layer, which varies in extent from 2 to 30 ft bgs throughout the Site. These contaminants and the concentrations at which they were

detected on the Site are characteristic of fill material commonly found throughout the New York City area.

The contamination in soil, groundwater, and soil vapor can likely be attributed to several potential sources, both on and off the Site. The CVOC impacts in soil and soil vapor, specifically in the northwestern portion of the Site, can likely be attributed to the CVOC source area centered around historical soil boring SB-103.

Historical operations (i.e., coal pockets, steel assembly/grinding, and heat treatment) are likely the primary source of petroleum-related and CVOC contamination at the Site, and contaminated fill material is likely the source of metals and PAHs in soil. Other impacts to soil vapor and groundwater may be attributed to off-Site and upgradient sources.

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 mechanism;
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 who 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).

The planned project will consist of constructing a new eight-story residential building and one cellar level as Building 3A and a new 26-story residential tower atop an eight- to 10-story residential podium and one cellar level as Building 3B. The area to the west of the buildings will be developed as the 8th Street Mews, a public access area. The area to the north of the buildings will be developed as a paved pedestrian walkway. The areas to the south and east of the buildings will be finished with sidewalks. The new development is anticipated to extend approximately to El. 8.5 ft NAVD88 and is consistent with current zoning. Exposed receptors under the future use scenario may include residents of the future buildings, indoor employees, outdoor employees (e.g., groundskeepers or maintenance staff), and construction workers who may be employed to 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 off-Site 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, and/or water) at the point of exposure. Sections 6 and 7 discuss the contaminants of concern (COCs) present in the Site media at elevated concentrations. In general, Site COCs include metals, SVOCs (including PAHs), pesticides, PCBs, and PFAS in soil; SVOCs, total and dissolved metals, and PFAS in groundwater; and VOCs (including CVOCs and BTEX) in 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”).

Concerning the indoor air pathway, under the 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.

8.1.4 Exposure 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 UUSCOs, RRSCOs, and PGWSCOs for VOCs, metals, and SVOCs in soil, UUSCOs for pesticides in soil, UUSCOs and RRSCOs for PCBs in soil, unrestricted use and protection of groundwater GVs for PFAS in soil; SVOCs, total and dissolved metals, and PFAS in groundwater; and VOCs detected 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, and 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 dirt and vegetation. There is potential for exposure to the contaminated surface soil on the Site. Release and transport mechanisms include contaminated surface soil transported as dust, contaminated groundwater flow, and volatilization of contaminants from soil and/or groundwater into the vapor phase.

- Site Visitors and Public Adjacent to the Site – inhalation and incidental ingestion.

- Construction/Utility/Site Investigation Worker – skin contact, inhalation, and incidental ingestion.

Construction/Remediation Scenario: In the absence of engineering and institutional controls, there will be continued exposure pathways during construction/remediation, specifically related to surface soil. Construction/remedial activities include excavation and off-Site disposal of soil. Release and transport mechanisms include disturbed and exposed soil during excavation, contaminated soil transported as dust, inhalation of dust from contaminated soil, and volatilization or contaminants from soil and/or groundwater into the vapor phase.

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

Future Use Scenario: The anticipated remedial approach includes the excavation of contaminated soil and the installation of a composite cover system. In the absence of engineering and institutional controls, remaining contaminant release and transport mechanisms include the migration of contaminated groundwater and volatilization of contaminants from soil and/or groundwater into the vapor phase. The route of exposure includes 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.
- Public Adjacent to the 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, 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.

8.1.5 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 metals, SVOCs (including PAHs), pesticides, PCBs, and PFAS in soil 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 Queens 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 the donning of PPE.

Construction/Remediation Scenario: The exposure element exists for all elements during this phase. The overall risk will be minimized by the implementation of a Site-Specific Construction HASP, 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 Remedial Action Work Plan (RAWP) that will include a Soil Materials Management Plan (SMMP) that will highlight measures for PPE, covering of stockpiles, housekeeping, suppression techniques (particulates and vapors), and measures to prevent off-Site 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 the 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 a Site capping system foundation, implementation of institutional controls, such as land and groundwater use restrictions, and implementation of a Site Management Plan (SMP) to manage reference controls.

8.2 FISH AND WILDLIFE IMPACT ANALYSIS

Based on the requirements stipulated in Section 3.10 and the decision key in Appendix 3C of DER-10, a Fish and Wildlife Resource Impact Analysis (FWRIA) was completed for the Site.

The objectives of a Step 1 FWRIA are to identify fish and wildlife resources that exist and that existed prior to contamination, and to provide information necessary to the RI design.

8.2.1 Site Description

The Site is an irregularly shaped lot that is approximately 69,616 sq ft (1.60 acres) in size, consisting of two lots (Block 906, Lots 1 and 5) that are currently vacant.

The Site is bound to the north by the East River; to the east by 9th Street, followed by a 23-story residential building and two three-story residential buildings; to the south by 26th Avenue, followed by an industrial and manufacturing lot; and to the west by two one-story industrial and manufacturing use buildings.

The Site topography slopes downward to the north, and surface water from hydrological events drains into the East River.

8.2.2 Fish and Wildlife Resources Description

The Site has been demolished and is primarily compacted soil with scarce vegetation. The land area of the site provides poor conditions for wildlife population due to a lack of food sources and cover. Urban-adapted species such as racoons and rats use the Site infrequently. The Site has 278 ft of frontage against the East River to the north, and a portion of Block 906 Lot 1 extends into the river. The shoreline includes areas with a 0.2 percent annual chance flood hazard. The East River is classified as an Estuarine and Marine Deepwater and provides good quality habitat for pelagic and benthic species, as well as birds. The Site and adjacent tidal wetlands are valuable for marine food production, wildlife habitat, flood, hurricane and storm control, recreation, and aesthetic value.

A FWRIA was prepared and concluded that potential impacts on terrestrial wildlife are minimal, and the Site's use as habitat for wildlife or endangered species is substantially restricted due to the impervious nature and current uses of the Site. The FWRIA is included as **Appendix L**.

9. Green and Sustainable Remediation and Climate Resiliency

The work completed as part of the RI complies with all NYSDEC guidance documents, including DER-31: Green Remediation (NYSDEC, 2011). To ensure compliance with DER-31, the work was completed using the best practices and techniques described below. Specific reporting methods relative to DER-31 are further described below.

9.1 BEST PRACTICES AND TECHNIQUES EMPLOYED

DER-31 provides examples of best practices and techniques that could be applied during all phases of remediation (Attachment 1 of the DER-31 policy). The techniques identified below were implemented during the RI when relevant to the work completed.

Practice/Technique	Potential Benefits[1]	Applicable to this RI
Use renewable energy where possible or purchase Renewable Energy Credits	Reduce/supplement purchased energy use	
Use of remediation technologies with an intermittent energy supply (i.e., energy use during peak energy generation only)	Reduce energy use	X
Incorporate green building design	Reduce future use impacts	
Reuse existing buildings and infrastructure to reduce waste	Reduce waste and material use	
Reuse and recycle construction and demolition debris and other materials (i.e., grind waste wood and other organics for on-Site use)	Reduce waste and material use	
Design cover systems to be usable (i.e., habitat or recreation)	Reduce construction impacts of future development	
Reduce vehicle idling	Reduce air emissions and fuel use	X
Use of Low-Sulfur Diesel Fuel (LSDF) or alternate fuels (i.e., biodiesel or E85) when possible	Reduce air emissions	
Sequence work to minimize double-handling of materials	Reduce construction impacts	X
Use energy-efficient systems and office equipment in the job trailer	Reduce energy use	X

[1]*Potential benefits listed are not comprehensive and will vary depending upon the site and implementation of the practice or technique.*

In order to comply with the requirements of DER-31, the following actions were taken:

1. All vehicles and fuel-consuming equipment on the Site were shut off if not in use for more than three minutes;

2. Work was sequenced, to the extent practicable, to allow the direct loading of waste containers for off-Site disposal;
3. Work was sequenced, to the extent practicable, to limit unnecessary mobilizations to and throughout the Site; and
4. To the extent practicable, energy-efficient systems and office equipment were utilized.

9.2 CLIMATE RESILIENCY EVALUATION

The Site is not located within a 100-year flood zone. The development plan is still under design but will incorporate consideration for resiliency to climate change, including the design of a cover system that will mimic, rather than alter, the current setting in the vicinity of the Site and will provide pathways for surface runoff and resiliency against future flooding events.

A Climate Screening Checklist is provided in **Appendix K**.

9.3 ENVIRONMENTAL FOOTPRINT ANALYSIS

An environmental footprint analysis has been completed for the combined activities of the RI using the USEPA's Spreadsheets for Environmental Footprint Analysis (SEFA). The RI components detailed within this analysis include the installation of soil borings, permanent groundwater monitoring wells, and soil vapor points; monitoring well development; soil, groundwater, and soil vapor sampling; and the transportation of personnel, contractors, and materials. Results of the environmental footprint analysis, available in **Appendix K**, indicate the majority of greenhouse gas emissions were the product of transportation, on-Site equipment use, and off-Site activities associated with the investigation.

10. Conclusions and Recommendations

10.1 CONCLUSIONS

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

- In general, Site COCs include CVOCs (specifically PCE), metals, SVOCs (including PAHs), pesticides, PCBs, and PFAS in soil; SVOCs, total and dissolved metals, and PFAS in groundwater; and VOCs (including CVOCs and BTEX) in soil vapor.
- A CVOC source area exists on the Site and consists of approximately 865 sq ft and approximately 300 cu yd of contaminated soils from 0 to 10 ft bgs. This CVOC area is the source of the elevated CVOCs in soil vapor adjacent to this location.
- The contaminated fill layer extends from surface grade to varied depths ranging from 2 to 30 ft bgs. The contaminants identified in this layer are characteristic of fill material commonly found throughout the New York City Area.
- The source of contamination in soil, groundwater, and soil vapor can be attributed to several potential sources, including the CVOC source area centered on historical boring SB-103, and historical Site uses (including coal storage, steel grinding, assembly, and heat treatment).
- The RI has fully characterized the nature and extent of impacts to the subsurface.

10.2 RECOMMENDATIONS

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

To address the AOCs, Haley & Aldrich of New York is evaluating the 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.

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TABLES

TABLE I
SAMPLING AND ANALYSIS SUMMARY
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

Boring Number	Date Collected	Sample Depth	Sample Rationale	Target Compound List VOCs (8260D)	Target Compound List SVOCs (8270E)	Total Analyte List Metals (6020B)	PCBs (8082A)	Pesticides (8081B)	PFAS (1633A)	1,4-Dioxane (8270E SIM)	Dissolved Target Analyte Metals (6020B)	VOCs (TO-15)	Total and TCLP Lead (6010B)
SOIL													
RI-SB-01	2/3/2026	0-2'	0-2'	X	X	X	X	X	X	X	-	-	-
		2-4'	Intermediate depth of fill layer	X	X	X	X	X	X	X	-	-	-
		10-12'	Development depth	X	X	X	X	X	X	X	-	-	-
RI-SB-02	2/6/2026	0-2'	0-2'	X	X	X	X	X	X	X	-	-	-
		7-9'	Intermediate depth of fill layer	X	X	X	X	X	X	X	-	-	-
		13-15'	Development depth	X	X	X	X	X	X	X	-	-	-
RI-SB-03	2/3/2026	0-2'	0-2'	X	X	X	X	X	X	X	-	-	-
		3-5'	Intermediate depth of fill layer	X	X	X	X	X	X	X	-	-	-
		10-12'	Development depth	X	X	X	X	X	X	X	-	-	-
RI-SB-04	2/4/2026	0-2'	0-2'	X	X	X	X	X	X	X	-	-	-
		10-12'	Intermediate depth of fill layer	X	X	X	X	X	X	X	-	-	-
		18-20'	2 ft interval above water table	X	X	X	X	X	X	X	-	-	-
RI-SB-05	2/6/2026	0-2'	0-2'	X	X	X	X	X	X	X	-	-	-
		7-9'	Intermediate depth of fill layer	X	X	X	X	X	X	X	-	-	-
		13-15'	Development depth	X	X	X	X	X	X	X	-	-	-
RI-SB-06	2/13/2026	0-2'	0-2'	X	X	X	X	X	X	X	-	-	-
		10-12'	Intermediate depth of fill layer	X	X	X	X	X	X	X	-	-	-
		20-22'	Development depth	X	X	X	X	X	X	X	-	-	-
RI-SB-07	2/5/2026	0-2'	0-2'	X	X	X	X	X	X	X	-	-	-
		10-12'	Intermediate depth of fill layer	X	X	X	X	X	X	X	-	-	-
	2/13/2026	20-22'	Development depth	X	X	X	X	X	X	X	-	-	-
		23-25'	Vertical delineation	X	X	X	X	X	X	X	-	-	-
	3/16/2026	25-27'	Vertical delineation	X	X	X	X	X	X	X	-	-	-
		27-29'	Vertical delineation	X	X	X	X	X	X	X	-	-	-
RI-SB-08	2/4/2026	0-2'	0-2'	X	X	X	X	X	X	X	-	-	-
		3-5'	Intermediate depth of fill layer	X	X	X	X	X	X	X	-	-	-
		10-12'	Development depth	X	X	X	X	X	X	X	-	-	-
RI-SB-09	2/5/2026	0-2'	0-2'	X	X	X	X	X	X	X	-	-	-
		10-12'	Intermediate depth of fill layer	X	X	X	X	X	X	X	-	-	-
	2/13/2026	20-22'	Development depth	X	X	X	X	X	X	X	-	-	-
	3/16/2026	22-24'	Vertical delineation	X	X	X	X	X	X	X	-	-	-
RI-SB-10	2/4/2026	0-2'	0-2'	X	X	X	X	X	X	X	-	-	-
		2-4'	Intermediate depth of fill layer	X	X	X	X	X	X	X	-	-	-
		10-12'	Development depth	X	X	X	X	X	X	X	-	-	-
RI-SB-11	2/5/2026	0-2'	0-2'	X	X	X	X	X	X	X	-	-	-
		8-10'	Intermediate depth of fill layer	X	X	X	X	X	X	X	-	-	-
		11-13'	Development depth	X	X	X	X	X	X	X	-	-	-
RI-SB-12	2/3/2026	0-2'	0-2'	X	X	X	X	X	X	X	-	-	-
		3-5'	Intermediate depth of fill layer	X	X	X	X	X	X	X	-	-	-
		10-12'	Development depth	X	X	X	X	X	X	X	-	-	-
RI-SB-13	2/12/2026	0-2'	0-2'	X	X	X	X	X	X	X	-	-	-
		10-12'	Intermediate depth of fill layer	X	X	X	X	X	X	X	-	-	-
		20-22'	Development depth	X	X	X	X	X	X	X	-	-	-
	3/16/2026	22-24'	Vertical delineation	X	X	X	X	X	X	X	-	-	-
RI-SB-14	2/16/2026	0-2'	0-2'	X	X	X	X	X	X	X	-	-	-
		10-12'	Intermediate depth of fill layer	X	X	X	X	X	X	X	-	-	-
		20-22'	Development depth	X	X	X	X	X	X	X	-	-	-
	3/16/2026	22-24'	Vertical delineation	X	X	X	X	X	X	X	-	-	-
RI-SB-15	2/16/2026	0-2'	0-2'	X	X	X	X	X	X	X	-	-	-
		10-12'	Intermediate depth of fill layer	X	X	X	X	X	X	X	-	-	-
		20-22'	Development depth	X	X	X	X	X	X	X	-	-	-
	3/16/2026	22-24'	Vertical delineation	X	X	X	X	X	X	X	-	-	-
		24-26'	Vertical delineation	X	X	X	X	X	X	X	-	-	-

TABLE I
SAMPLING AND ANALYSIS SUMMARY
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

Boring Number	Date Collected	Sample Depth	Sample Rationale	Target Compound List VOCs (8260D)	Target Compound List SVOCs (8270E)	Total Analyte List Metals (6020B)	PCBs (8082A)	Pesticides (8081B)	PFAS (1633A)	1,4-Dioxane (8270E SIM)	Dissolved Target Analyte Metals (6020B)	VOCs (TO-15)	Total and TCLP Lead (6010B)
RI-SB-16	2/3/2026	0-2'	0-2'	X	X	X	X	X	X	X	-	-	-
		3-5'	Intermediate depth of fill layer	X	X	X	X	X	X	X	-	-	-
		10-12'	Development depth	X	X	X	X	X	X	X	-	-	-
RI-SB-17	2/16/2026	0-2'	0-2'	X	X	X	X	X	X	X	-	-	-
		10-12'	Intermediate depth of fill layer	X	X	X	X	X	X	X	-	-	-
		20-22'	Development depth	X	X	X	X	X	X	X	-	-	-
	3/16/2026	22-24'	Vertical delineation	X	X	X	X	X	X	X	-	-	-
RI-SB-18	2/16/2026	0-2'	0-2'	X	X	X	X	X	X	X	-	-	-
		14-16'	Intermediate depth of fill layer	X	X	X	X	X	X	X	-	-	-
		20-22'	Development depth	X	X	X	X	X	X	X	-	-	-
RI-SB-19	2/6/2026	0-2'	0-2'	X	X	X	X	X	X	X	-	-	-
		7-9'	Intermediate depth of fill layer	X	X	X	X	X	X	X	-	-	-
		10-12'	Development depth	X	X	X	X	X	X	X	-	-	-
RI-SB-20	2/5/2026	0-2'	0-2'	X	X	X	X	X	X	X	-	-	-
		8-10'	Intermediate depth of fill layer	X	X	X	X	X	X	X	-	-	-
		11-13'	Development depth	X	X	X	X	X	X	X	-	-	-
SB-106_D	2/5/2026	3-5' (under stockpile)	3-5'	-	-	-	-	-	-	-	-	-	X
B-15_D	2/4/2026	0-2'	0-2'	X	X	X	X	X	X	X	-	-	X
		2-4'	Intermediate depth of fill layer	X	X	X	X	X	X	X	-	-	-
		10-12'	Development depth	X	X	X	X	X	X	X	-	-	-
B-21_D	2/6/2026	0-2'	0-2'	-	-	-	-	-	-	-	-	-	X
SB-103	3/16/2026	0-2'	Resample from RI	X	-	-	-	-	-	-	-	-	-
		3-5'	Resample from RI	X	-	-	-	-	-	-	-	-	-
		7-9'	CVOC Delineation	X	-	-	-	-	-	-	-	-	-
DB-02	3/16/2026	0-2'	CVOC Delineation	X	-	-	-	-	-	-	-	-	-
		3-5'	CVOC Delineation	X	-	-	-	-	-	-	-	-	-
		7-9'	CVOC Delineation	X	-	-	-	-	-	-	-	-	-
B-23	3/16/2026	0-2'	CVOC Delineation	X	-	-	-	-	-	-	-	-	-
		3-5'	CVOC Delineation	X	-	-	-	-	-	-	-	-	-
		7-9'	CVOC Delineation	X	-	-	-	-	-	-	-	-	-
DB-01A	3/16/2026	0-2'	CVOC Delineation	HOLD	-	-	-	-	-	-	-	-	-
		3-5'	CVOC Delineation	HOLD	-	-	-	-	-	-	-	-	-
		7-9'	CVOC Delineation	HOLD	-	-	-	-	-	-	-	-	-
DB-01B	3/16/2026	0-2'	CVOC Delineation	HOLD	-	-	-	-	-	-	-	-	-
		3-5'	CVOC Delineation	HOLD	-	-	-	-	-	-	-	-	-
		7-9'	CVOC Delineation	HOLD	-	-	-	-	-	-	-	-	-
DB-02A	3/16/2026	0-2'	CVOC Delineation	X	-	-	-	-	-	-	-	-	-
		3-5'	CVOC Delineation	X	-	-	-	-	-	-	-	-	-
		7-9'	CVOC Delineation	X	-	-	-	-	-	-	-	-	-
DB-02B	3/16/2026	0-2'	CVOC Delineation	HOLD	-	-	-	-	-	-	-	-	-
		3-5'	CVOC Delineation	HOLD	-	-	-	-	-	-	-	-	-
		7-9'	CVOC Delineation	HOLD	-	-	-	-	-	-	-	-	-
DB-03A	3/16/2026	0-2'	CVOC Delineation	X	-	-	-	-	-	-	-	-	-
		3-5'	CVOC Delineation	X	-	-	-	-	-	-	-	-	-
		7-9'	CVOC Delineation	X	-	-	-	-	-	-	-	-	-
DB-03B	3/16/2026	0-2'	CVOC Delineation	X	-	-	-	-	-	-	-	-	-
		3-5'	CVOC Delineation	X	-	-	-	-	-	-	-	-	-
		7-9'	CVOC Delineation	X	-	-	-	-	-	-	-	-	-
DUP-01_20250204	2/4/2026	B-15_D_0-2	Duplicate Sample	X	X	X	X	X	X	X	-	-	X
DUP-02_20260204	2/4/2026	RI-SB-04_10-12	Duplicate Sample	X	X	X	X	X	X	X	-	-	-
DUP-03_20260205	2/5/2026	RI-SB-20_0-2	Duplicate Sample	X	X	X	X	X	X	X	-	-	-
DUP-04_20260206	2/6/2026	RI-SB-05_0-2	Duplicate Sample	X	X	X	X	X	X	X	-	-	-
DUP-01_20260316	3/16/2026	RI-SB-13_22-24	Duplicate Sample	X	X	X	X	X	X	X	-	-	-
DUP-02_20260316	3/16/2026	SB-103_0-2_RS	Duplicate Sample	X	-	-	-	-	-	-	-	-	-
DUP-03_20250316	3/16/2026	B-23_7-9_RS	Duplicate Sample	X	-	-	-	-	-	-	-	-	-
MS	2/3/2026	RI-SB-16_3-5	Matrix Spike	X	X	X	X	X	X	X	-	-	-

TABLE I
SAMPLING AND ANALYSIS SUMMARY
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

Boring Number	Date Collected	Sample Depth	Sample Rationale	Target Compound List VOCs (8260D)	Target Compound List SVOCs (8270E)	Total Analyte List Metals (6020B)	PCBs (8082A)	Pesticides (8081B)	PFAS (1633A)	1,4-Dioxane (8270E SIM)	Dissolved Target Analyte Metals (6020B)	VOCs (TO-15)	Total and TCLP Lead (6010B)
MSD	2/3/2026	RI-SB-16_3-5	Matrix Spike Duplicate	X	X	X	X	X	X	X	-	-	-
MS	2/4/2026	RI-SB-08_3-5	Matrix Spike	X	X	X	X	X	X	X	-	-	-
MSD	2/4/2026	RI-SB-08_3-5	Matrix Spike Duplicate	X	X	X	X	X	X	X	-	-	-
MS	2/5/2026	RI-SB-11_0-2	Matrix Spike	X	X	X	X	X	X	X	-	-	-
MSD	2/5/2026	RI-SB-11_0-2	Matrix Spike Duplicate	X	X	X	X	X	X	X	-	-	-
MS	2/6/2026	B-21_D_0-2	Matrix Spike	-	-	-	-	-	-	-	-	-	X
MSD	2/6/2026	B-21_D_0-2	Matrix Spike Duplicate	-	-	-	-	-	-	-	-	-	X
MS	2/6/2026	RI-SB-19_0-2	Matrix Spike	X	X	X	X	X	X	X	-	-	-
MSD	2/6/2026	RI-SB-19_0-2	Matrix Spike Duplicate	X	X	X	X	X	X	X	-	-	-
MS	3/16/2026	B-23_0-2_RS	Matrix Spike	X	-	-	-	-	-	-	-	-	-
MSD	3/16/2026	B-23_0-2_RS	Matrix Spike Duplicate	X	-	-	-	-	-	-	-	-	-
MS	3/16/2026	DB-02_0-2	Matrix Spike	X	-	-	-	-	-	-	-	-	-
MSD	3/16/2026	DB-02_0-2	Matrix Spike Duplicate	X	-	-	-	-	-	-	-	-	-
FB-01_20260203	2/3/2026	-	Field Blank	X	X	X	X	X	X	X	-	-	-
FB-02_20260204	2/4/2026	-	Field Blank	X	X	X	X	X	X	X	-	-	-
FB-03_20260205	2/5/2026	-	Field Blank	X	X	X	X	X	X	X	-	-	-
FB-04_20260206	2/6/2026	-	Field Blank	X	X	X	X	X	X	X	-	-	-
FB-01_20260316	3/16/2026	-	Field Blank	X	X	X	X	X	X	X	-	-	-
FB-02_20260316	3/16/2026	-	Field Blank	X	-	-	-	-	-	-	-	-	-
FB-03_20260316	3/16/2026	-	Field Blank	X	-	-	-	-	-	-	-	-	-
TB-01_20260203	2/3/2026	-	Trip Blank	X	-	-	-	-	-	-	-	-	-
TB-02_20260203	2/3/2026	-	Trip Blank	X	-	-	-	-	-	-	-	-	-
TB-01_20260204	2/4/2026	-	Trip Blank	X	-	-	-	-	-	-	-	-	-
TB-02_20260204	2/4/2026	-	Trip Blank	X	-	-	-	-	-	-	-	-	-
TB-01_20260205	2/5/2026	-	Trip Blank	X	-	-	-	-	-	-	-	-	-
TB-02_20260205	2/5/2026	-	Trip Blank	X	-	-	-	-	-	-	-	-	-
TB-01_20260206	2/6/2026	-	Trip Blank	X	-	-	-	-	-	-	-	-	-
TB-01_20260212	2/12/2026	-	Trip Blank	X	-	-	-	-	-	-	-	-	-
TB-01_20260213	2/13/2026	-	Trip Blank	X	-	-	-	-	-	-	-	-	-
TB-01_20260216	2/16/2026	-	Trip Blank	X	-	-	-	-	-	-	-	-	-
TB-02_20260216	2/16/2026	-	Trip Blank	X	-	-	-	-	-	-	-	-	-
TB-01_20260316	3/16/2026	-	Trip Blank	X	-	-	-	-	-	-	-	-	-
TB-02_20260316	3/16/2026	-	Trip Blank	X	-	-	-	-	-	-	-	-	-
TB-03_20260316	3/16/2026	-	Trip Blank	X	-	-	-	-	-	-	-	-	-
TB-04_20260316	3/16/2026	-	Trip Blank	X	-	-	-	-	-	-	-	-	-
TB-05_20260316	3/16/2026	-	Trip Blank	X	-	-	-	-	-	-	-	-	-

TABLE I
SAMPLING AND ANALYSIS SUMMARY
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

Boring Number	Date Collected	Sample Depth	Sample Rationale	Target Compound List VOCs (8260D)	Target Compound List SVOCs (8270E)	Total Analyte List Metals (6020B)	PCBs (8082A)	Pesticides (8081B)	PFAS (1633A)	1,4-Dioxane (8270E SIM)	Dissolved Target Analyte Metals (6020B)	VOCs (TO-15)	Total and TCLP Lead (6010B)
RI-MW-01	2/25/2026	-	-	X	X	X	X	X	X	X	X	-	-
RI-MW-02	2/26/2026	-	-	X	X	X	X	X	X	X	X	-	-
RI-MW-03	2/25/2026	-	-	X	X	X	X	X	X	X	X	-	-
RI-MW-04	2/25/2026	-	-	X	X	X	X	X	X	X	X	-	-
RI-MW-05	2/26/2026	-	-	X	X	X	X	X	X	X	X	-	-
RI-MW-06	2/26/2026	-	-	X	X	X	X	X	X	X	X	-	-
RI-MW-07	2/25/2026	-	-	X	X	X	X	X	X	X	X	-	-
RI-MW-08	2/24/2026	-	-	X	X	X	X	X	X	X	X	-	-
RI-MW-09	2/26/2026	-	-	X	X	X	X	X	X	X	X	-	-
RI-MW-10	2/25/2026	-	-	X	X	X	X	X	X	X	X	-	-
RI-MW-11	2/26/2026	-	-	X	X	X	X	X	X	X	X	-	-
DUP-01_20260225	2/25/2026	RI-MW-03	Duplicate Sample	X	X	X	X	X	X	X	X	-	-
MS	2/25/2026	RI-MW-01	Matrix Spike	X	X	X	X	X	X	X	X	-	-
MSD	2/25/2026	RI-MW-01	Matrix Spike Duplicate	X	X	X	X	X	X	X	X	-	-
FB-01_20260225	2/25/2026	-	Field Blank	X	X	X	X	X	X	X	X	-	-
TB-01_20260225	2/25/2026	-	Trip Blank	X	X	X	X	X	X	X	X	-	-
TB-02_20260225	2/25/2026	-	Trip Blank	X	X	X	X	X	X	X	X	-	-
TB-01_20260226	2/26/2026	-	Trip Blank	X	X	X	X	X	X	X	X	-	-
TB-02_20260226	2/26/2026	-	Trip Blank	X	X	X	X	X	X	X	X	-	-
SOIL VAPOR													
RI-SV-01	2/5/2026	-	2 ft interval above water table	-	-	-	-	-	-	-		X	-
RI-SV-02	2/6/2026	-	2 ft interval above water table	-	-	-	-	-	-	-		X	-
RI-SV-03	2/5/2026	-	2 ft interval above water table	-	-	-	-	-	-	-		X	-
RI-SV-04	2/13/2026	-	2 ft interval above water table	-	-	-	-	-	-	-		X	-
RI-SV-05	2/6/2026	-	2 ft interval above water table	-	-	-	-	-	-	-		X	-
RI-SV-06	2/16/2026	-	2 ft interval above water table	-	-	-	-	-	-	-		X	-
RI-SV-07	2/6/2026	-	2 ft interval above water table	-	-	-	-	-	-	-		X	-
RI-SV-08	2/5/2026	-	2 ft interval above water table	-	-	-	-	-	-	-		X	-
RI-SV-09	2/13/2026	-	2 ft interval above water table	-	-	-	-	-	-	-		X	-
RI-SV-10	2/5/2026	-	2 ft interval above water table	-	-	-	-	-	-	-		X	-
RI-SV-11	2/5/2026	-	2 ft interval above water table	-	-	-	-	-	-	-		X	-

Notes:
VOCs - Volatile Organic Compounds
SVOCs - Semi-volatile Organic Compounds
PCBs - Polychlorinated Biphenyls
PFAS - Per- and Polyfluoroalkyl Substances
X = Run for analysis
Groundwater to be sampled for total and dissolved metals

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
"-" = Not applicable

TABLE II
SYNOPTIC MONITORING WELL GAUGING RESULTS
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

Synoptic Water Level Measurement Log

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site
LOCATION	8-01 and 8-51 26th Avenue, Queens, New York
CLIENT	KS Astoria Holdings LLC
H&A FILE NO.	212609
PROJECT MANAGER	E. Butler
FIELD REP.	C. Jackson
GAUGING DATE	2/27/2026
WEATHER	24-40 F, Sunny, 67% humid, wind up to 10 mph from NE to SW

MONITORING WELL ID	TIME	DEPTH TO WATER (FT BELOW TOC)	TOP OF CASING (FT)	GROUNDWATER ELEVATION (FT)	DEPTH TO BOTTOM (FT BELOW TOC)
RI-MW-01	8:13	18.07	21.88	3.81	23.75
RI-MW-02	8:36	12.43	15.59	3.16	20.41
RI-MW-03	8:17	18.58	22.48	3.90	22.19
RI-MW-04	8:41	27.06	30.40	3.34	34.36
RI-MW-05	8:33	12.72	14.91	2.19	20.47
RI-MW-06	8:46	27.95	31.68	3.73	35.48
RI-MW-07	8:43	28.62	30.73	2.11	36.45
RI-MW-08	8:21	19.65	23.62	3.97	20.38
RI-MW-09	8:48	27.93	31.28	3.35	34.60
RI-MW-10	8:23	17.60	21.5	3.90	24.82
RI-MW-11	8:28	13.50	15.4	1.90	20.50

Comments:

1. Monitoring wells "RI-MW-01" through "RI-MW-11" were surveyed by DPK Land Surveying, LLC on February 27, 2026.
2. Wells were gauged on February 27, 2026.
3. Elevation refers to the North American Vertical Datum of 1988 (NAVD88).
4. All dimensions are in US survey feet.

TABLE III
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

Location Name	Criteria			B-15_D	B-15_D	B-15_D	B-15_D	B-21_D	B-23	B-23	B-23	B-23	DB-02	DB-02	DB-02	DB-02A	DB-02A	DB-02A	DB-03A	DB-03A	DB-03A	DB-03B	DB-03B	DB-03B
Sample Name	Restricted Use Soil Cleanup Objectives - Protection of Groundwater 2025	NY Part 375 Restricted Residential Use Soil Cleanup Objectives 2025	NY Part 375 Unrestricted Use Soil Cleanup Objectives 2025	B-15_D_0-2	DUP-01_20250204	B-15_D_2-4	B-15_D_10-12	B-21_D_0-2	B-23_0-2_RS	B-23_3-5_RS	B-23_7-9_RS	DUP-03_20260316	DB-02_0-2	DB-02_3-5	DB-02_7-9	DB-02A_0-2	DB-02A_3-5	DB-02A_7-9	DB-03A_0-2	DB-03A_3-5	DB-03A_7-9	DB-03B_0-2	DB-03B_3-5	DB-03B_7-9
Sample Date				02/04/2026	02/04/2026	02/04/2026	02/04/2026	02/06/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026
Lab Sample ID				L2606227-04	L2606227-05	L2606227-06	L2606227-07	L2606929-01	L2614270-16	L2614270-17	L2614270-18	L2614270-19	L2614270-26	L2614270-27	L2614270-28	L2614270-29	L2614270-30	L2614270-31	L2614270-10	L2614270-11	L2614270-12	L2614270-13	L2614270-14	L2614270-15
Sample Depth (bgs)				0 - 2 (ft)	0 - 2 (ft)	2 - 4 (ft)	10 - 12 (ft)	0 - 2 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)
Volatile Organic Compounds (mg/kg)																								
1,1,1,2-Tetrachloroethane	NA	NA	NA	ND (0.001)	ND (0.0008)	ND (0.00049)	ND (0.00038)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	0.68	100	0.68	ND (0.001)	ND (0.0008)	ND (0.00049)	ND (0.00038)	-	ND (0.00064) J	ND (0.00051)	ND (0.00072)	ND (0.00052)	ND (0.00073)	ND (0.027)	ND (0.027)	ND (0.00067)	ND (0.022)	ND (0.00053)	ND (0.027)	ND (0.028)	ND (0.031)	ND (0.00068)	ND (0.028)	ND (0.00049)
1,1,2,2-Tetrachloroethane	NA	NA	NA	ND (0.001)	ND (0.0008)	ND (0.00049)	ND (0.00038)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	NA	NA	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	0.27	47	0.27	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	0.33	0.98	0.24	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	ND (0.0013)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.0015)	ND (0.054)	ND (0.055)	ND (0.0013)	ND (0.045)	ND (0.0011)	ND (0.054)	ND (0.056)	ND (0.063)	ND (0.0014)	ND (0.056)	ND (0.00099)
1,1-Dichloropropene	NA	NA	NA	ND (0.001)	ND (0.0008)	ND (0.00049)	ND (0.00038)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	NA	NA	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	NA	NA	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4,5-Tetramethylbenzene	NA	NA	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	5.9	100	5.9	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	ND (0.0061)	ND (0.0048)	ND (0.003)	ND (0.0023)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	0.02	5.8	0.02	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	NA	NA	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	NA	NA	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	3.1	100	3.1	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	2.6	38	2.6	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropane	NA	NA	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropene	NA	NA	NA	ND (0.001)	ND (0.0008)	ND (0.00049)	ND (0.00038)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	1.8	24	1.8	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Diethylbenzene	NA	NA	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dioxane	0.1	5.7	0.1	ND (0.16)	ND (0.13)	ND (0.079)	ND (0.061)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	NA	NA	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	0.1	100	0.1	ND (0.02)	ND (0.016)	ND (0.0098)	0.0025 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	NA	NA	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone (Methyl Butyl Ketone)	NA	NA	NA	ND (0.02) J	ND (0.016) J	ND (0.0098) J	ND (0.0076) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	25	100	25	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	NA	NA	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	ND (0.02)	ND (0.016)	ND (0.0098)	ND (0.0076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	0.03	100	0.03	ND (0.02)	ND (0.016)	ND (0.0098)	0.014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	NA	NA	NA	ND (0.0082)	ND (0.0064)	ND (0.0039)	ND (0.003)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	0.06	3.7	0.06	ND (0.001)	ND (0.0008)	ND (0.00049)	ND (0.00038)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromobenzene	NA	NA	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	NA	NA	NA	ND (0.001)	ND (0.0008)	ND (0.00049)	ND (0.00038)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	NA	NA	NA	ND (0.0082)	ND (0.0064)	ND (0.0039)	ND (0.003)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl Bromide)	NA	NA	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	NA	NA	NA	ND (0.02)	ND (0.016)	ND (0.0098)	ND (0.0076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	0.76	7.1	0.76	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	ND (0.0013)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.0015)	ND (0.054)	ND (0.055)	ND (0.0013)	ND (0.045)	ND (0.0011)	ND (0.054)	ND (0.056)	ND (0.063)	ND (0.0014)	ND (0.056)	ND (0.00099)
Chlorobenzene	4.5	100	4.5	ND (0.001)	ND (0.0008)	ND (0.00049)	ND (0.00038)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobromomethane	NA	NA	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	NA	NA	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	0.37	24	0.37	ND (0.0031)	ND (0.0024)	ND (0.0015)	ND (0.0011)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl Chloride)	NA	NA	NA	ND (0.0082)	ND (0.0064)	ND (0.0039)	ND (0.003)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	0.19	41	0.19	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	ND (0.0013) J	0.0054	0.013	0.014	0.013 J	***0.26***	0.063	0.002	0.053	0.00099 J	***0.24***	***0.97***	0.12	0.00034 J	ND (0.056)	0.0013
cis-1,3-Dichloropropene	NA	NA	NA	ND (0.001)	ND (0.0008)	ND (0.00049)	ND (0.00038)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	NA	NA	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	0.00068 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	NA	NA	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromomethane	NA	NA	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	ND (0.02)	ND (0.016)	ND (0.0098)	ND (0.0076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Ether	NA	NA	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	1	76	1	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	NA	NA	ND (0.0082)	ND (0.0064)	ND (0.0039)	ND (0.003)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene (Cumene)	NA	NA	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	NA	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether (MTBE)	0.1	100	0.1	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride (Dichloromethane)	0.05	81	0.05	ND (0.01)	ND (0.008)	ND (0.0049)	ND (0.0038)	-	ND (0.0064)	ND (0.0051)	ND (0.0072)	ND (0.0052)	ND (0.0073)	ND (0.27)	ND (0.27)	ND (0.0067)	ND (0.22)	ND (0.0053)	ND (0.27)	ND (0.28)	ND (0.31)	ND (0.0068)	ND (0.28)	ND (0.0049)
Naphthalene	12	100	12	ND (0.0082) J	0.02 J	ND (0.0039)	ND (0.003)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	18	100	18	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	5	100	5	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	NA	NA	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	NA	NA	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	11	100	11	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1.3	18	1.3	ND (0.001)	ND (0.0008)	ND (0.00049)	ND (0.00038)	-	0.0078 J	0.052	0.014	0.013	0.34 J	***27***	1.3	0.036	***7.7***	0.041	***14***	***72***	***3.2***	0.15	***5.8***	0.0046
Toluene	0.7	100	0.7	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	0.19	100	0.19	ND (0.0031)	ND (0.0024)	ND (0.0015)	ND (0.0011)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	NA	NA	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,4-Dichloro-2-butene	NA	NA	NA	ND (0.01)	ND (0.008)	ND (0.0049)	ND (0.0038)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.47	6.4	0.47	ND (0.001)	ND (0.0008)	ND (0.00049)	ND (0.00038)	-	ND (0.00064)	0.0079	0.0032	0.003	0.032 J	***1.2***	0.15	0.0049	0.39	0.005	***1.4***	***3***	0.22	0.0066	0.079	0.0043
Trichlorofluoromethane (CFC-11)	NA	NA	NA	ND (0.0082)	ND (0.0064)	ND (0.0039)	ND (0.003)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	NA	NA	NA	ND (0.02) J	ND (0.016) J	ND (0.0098) J	ND (0.0076) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	0.03	0.48	0.03	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	ND (0.0013)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.0015)	ND (0.054)	ND (0.055)	ND (0.0013)	ND (0.045)	ND (0.0011)	ND (0.054)	ND (0.056)	ND (0.063)	ND (0.0014)	ND (0.056)	ND (0.00099)
Xylene (Total)	1.2	100	0.26	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																							
Location Name	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	NY Part 375 Restricted Residential Use Soil Cleanup Objectives 2025	NY Part 375 Unrestricted Use Soil Cleanup Objectives 2025	B-15_D	B-15_D	B-15_D	B-15_D	B-21_D	B-23	B-23	B-23	B-23	DB-02	DB-02	DB-02	DB-02A	DB-02A	DB-02A	DB-03A	DB-03A	DB-03A	DB-03B	DB-03B	DB-03B
Sample Name				B-15_D_0-2	DUP-01_20250204	B-15_D_2-4	B-15_D_10-12	B-21_D_0-2	B-23_0-2_RS	B-23_3-5_RS	B-23_7-9_RS	DUP-03_20260316	DB-02_0-2	DB-02_3-5	DB-02_7-9	DB-02A_0-2	DB-02A_3-5	DB-02A_7-9	DB-03A_0-2	DB-03A_3-5	DB-03A_7-9	DB-03B_0-2	DB-03B_3-5	DB-03B_7-9
Sample Date				02/04/2026	02/04/2026	02/04/2026	02/04/2026	02/06/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026
Lab Sample ID				L2606227-04	L2606227-05	L2606227-06	L2606227-07	L2606929-01	L2614270-16	L2614270-17	L2614270-18	L2614270-19	L2614270-26	L2614270-27	L2614270-28	L2614270-29	L2614270-30	L2614270-31	L2614270-10	L2614270-11	L2614270-12	L2614270-13	L2614270-14	L2614270-15
Sample Depth (bgs)	2025	2025	2025	0 - 2 (ft)	0 - 2 (ft)	2 - 4 (ft)	10 - 12 (ft)	0 - 2 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)
Semi-Volatile Organic Compounds (mg/kg)																								
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	2.6	38	2.6	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	1.8	24	1.8	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dioxane	0.1	5.7	0.1	ND (0.027)	ND (0.027)	ND (0.028)	ND (0.027)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.21)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	NA	NA	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	NA	NA	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	NA	NA	ND (0.87)	ND (0.86)	ND (0.89)	ND (0.85)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	NA	NA	0.085 J	0.055 J	ND (0.22)	ND (0.21)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	0.33	100	0.33	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	NA	NA	NA	ND (0.39)	ND (0.39)	ND (0.4)	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	NA	ND (0.26)	ND (0.26)	ND (0.27)	ND (0.26)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	NA	NA	0.18 R	0.18 R	0.18 R	0.18 R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	NA	NA	ND (0.47)	ND (0.47)	ND (0.48)	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	NA	NA	NA	0.18 R	0.18 R	0.18 R	0.18 R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	NA	NA	NA	ND (0.25)	ND (0.25)	ND (0.26)	ND (0.25)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	98	100	20	0.12 J	0.16	0.028 J	ND (0.14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	365	100	100	0.09 J	0.057 J	0.36	ND (0.14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	1000	100	100	0.27	0.29	0.2	ND (0.11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	1	1.4	1	0.67	0.77	0.42	ND (0.11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	22	1	1	0.62	0.66	0.46	ND (0.14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	2.1	1.4	1	0.83	0.96	0.54	ND (0.11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	4.9	0.64	0.38	0.38	0.27	ND (0.14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	2	4.9	0.8	0.21	0.19	0.15	ND (0.11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	NA	NA	NA	ND (0.59)	ND (0.58)	ND (0.6)	ND (0.58)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl Alcohol	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Biphenyl	NA	NA	NA	ND (0.41)	ND (0.41)	ND (0.42)	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	NA	NA	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	NA	NA	0.08 J	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	NA	NA	0.11 J	0.15 J	0.038 J	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	1	4.9	1	0.65	0.68	0.44	ND (0.11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	1000	0.33	0.33	0.081 J	0.092 J	0.062 J	ND (0.11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	110	18	2.1	0.068 J	0.076 J	0.018 J	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dimethyl phthalate	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1000	100	85	1.3	1.4	0.65	ND (0.11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	386	100	30	0.11 J	0.13 J	0.041 J	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	3.2	0.33	0.33	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	NA	NA	ND (0.52)	ND (0.52)	ND (0.53)	ND (0.51)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	NA	NA	NA	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	6.6	1.4	0.5	0.36	0.39	0.25	ND (0.14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	NA	NA	NA	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	12	100	12	0.12 J	0.08 J	0.025 J	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrobenzene	0.08	1.8	0.08	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	NA	NA	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	0.8	1.3	0.8	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	1000	4.9	1.1	1.2	1.1	0.29	ND (0.11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	0.33	100	0.33	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	1000	100	64	1.1	1.2	0.81	ND (0.11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

Location Name	Criteria			B-15_D	B-15_D	B-15_D	B-15_D	B-21_D	B-23	B-23	B-23	B-23	DB-02	DB-02	DB-02	DB-02A	DB-02A	DB-02A	DB-03A	DB-03A	DB-03A	DB-03B	DB-03B	DB-03B
Sample Name	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	NY Part 375 Restricted Residential Use Soil Cleanup Objectives 2025	NY Part 375 Unrestricted Use Soil Cleanup Objectives 2025	B-15_D_0-2	DUP-01_20250204	B-15_D_2-4	B-15_D_10-12	B-21_D_0-2	B-23_0-2_RS	B-23_3-5_RS	B-23_7-9_RS	DUP-03_20260316	DB-02_0-2	DB-02_3-5	DB-02_7-9	DB-02A_0-2	DB-02A_3-5	DB-02A_7-9	DB-03A_0-2	DB-03A_3-5	DB-03A_7-9	DB-03B_0-2	DB-03B_3-5	DB-03B_7-9
Sample Date				02/04/2026	02/04/2026	02/04/2026	02/04/2026	02/06/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026
Lab Sample ID				L2606227-04	L2606227-05	L2606227-06	L2606227-07	L2606929-01	L2614270-16	L2614270-17	L2614270-18	L2614270-19	L2614270-26	L2614270-27	L2614270-28	L2614270-29	L2614270-30	L2614270-31	L2614270-10	L2614270-11	L2614270-12	L2614270-13	L2614270-14	L2614270-15
Sample Depth (bgs)	2025	2025	2025	0 - 2 (ft)	0 - 2 (ft)	2 - 4 (ft)	10 - 12 (ft)	0 - 2 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)
PFAS (mg/kg)																								
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	NA	NA	ND (0.000782)	ND (0.000798)	ND (0.000798)	ND (0.0008)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	NA	NA	ND (0.00489)	ND (0.00499)	ND (0.00499)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	NA	NA	ND (0.00489)	ND (0.00499)	ND (0.00499)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	NA	NA	ND (0.000978)	ND (0.000998)	ND (0.000998)	ND (0.001)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	NA	NA	ND (0.000782)	ND (0.000798)	ND (0.000798)	ND (0.0008)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	NA	NA	ND (0.000782)	ND (0.000798)	ND (0.000798)	ND (0.0008)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	NA	ND (0.000782)	ND (0.000798)	ND (0.000798)	ND (0.0008)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	NA	ND (0.000782)	ND (0.000798)	ND (0.000798)	ND (0.0008)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	NA	NA	ND (0.000782)	ND (0.000798)	ND (0.000798)	ND (0.0008)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	NA	NA	ND (0.000196)	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	NA	NA	ND (0.000196)	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	NA	NA	ND (0.00196)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NA	NA	NA	ND (0.000196)	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	NA	NA	ND (0.000196)	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	NA	NA	ND (0.00196)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	NA	NA	0.000391 R	0.000399 R	0.000399 R	0.0004 R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	NA	NA	ND (0.000391)	ND (0.000399)	ND (0.000399)	ND (0.0004)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	NA	NA	ND (0.000391)	ND (0.000399)	ND (0.000399)	ND (0.0004)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	NA	NA	ND (0.000782)	ND (0.000798)	ND (0.000798)	ND (0.0008)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	NA	NA	ND (0.000391)	ND (0.000399)	ND (0.000399)	ND (0.0004)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	NA	NA	ND (0.000196)	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	NA	NA	ND (0.000782)	ND (0.000798)	ND (0.000798)	ND (0.0008)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	NA	NA	ND (0.000196)	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	NA	NA	0.000061 J	0.000236	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	NA	NA	ND (0.000196)	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	NA	NA	ND (0.000196)	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	NA	ND (0.000196)	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	0.000127 J	0.00018 J	ND (0.0002)	0.00008 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	NA	0.000057 J	ND (0.0002)	0.000052 J	0.000088 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	ND (0.000196)	0.00022	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	NA	NA	ND (0.000196)	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	NA	NA	0.000217	0.000293	0.000122 J	0.000072 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	NA	NA	ND (0.000196)	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.001	0.044	0.00088	***0.00201 J***	***0.00294 J***	***0.0017 J***	0.000868 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.0008	0.033	0.00066	***0.00131***	***0.0011***	***0.000814***	***0.00213***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	NA	NA	ND (0.000196)	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	0.000172 J	0.0002 J	0.000084 J	ND (0.0004)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	NA	ND (0.000196)	ND (0.0002)	ND (0.0002) J	ND (0.0002) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	NA	NA	ND (0.000196)	ND (0.0002)	ND (0.0002) J	ND (0.0002) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	NA	NA	ND (0.000196)	0.0001 J	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pesticides (mg/kg)																								
4,4'-DDD	14	5	0.0033	ND (0.0017)	ND (0.00166)	ND (0.00173)	ND (0.00162)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4'-DDE	9.3	3.4	0.0033	ND (0.0017)	ND (0.00166)	ND (0.00173)	ND (0.00162)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4'-DDT	135	3.8	0.0033	ND (0.0017)	ND (0.00166)	ND (0.00173)	ND (0.00162)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aldrin	0.19	0.044	0.0048	ND (0.0017)	ND (0.00166)	ND (0.00173)	ND (0.00162)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
alpha-BHC	0.02	0.18	0.02	ND (0.000706)	ND (0.000691)	ND (0.000721)	ND (0.000674)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
alpha-Chlordane (cis)	4.5	0.65	0.014	0.00115 J	ND (0.00207)	ND (0.00216)	ND (0.00202)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
beta-BHC	0.09	0.18	0.021	ND (0.0017)	ND (0.00166)	ND (0.00173)	ND (0.00162)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane	NA	NA	NA	ND (0.0141)	ND (0.0138)	ND (0.0144)	ND (0.0135)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
delta-BHC	0.1	100	0.04	ND (0.0017)	ND (0.00166)	ND (0.00173)	ND (0.00162)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	0.1	0.075	0.005	ND (0.00106)	ND (0.00104)	ND (0.00108)	ND (0.00101)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	65	35	4.3	ND (0.0017)	ND (0.00166)	ND (0.00173)	ND (0.00162)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	44	35	4.3	ND (0.0017)	ND (0.00166)	ND (0.00173)	ND (0.00162)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan sulfate	47	35	4.3	ND (0.000706)	ND (0.000691)	ND (0.000721)	ND (0.000674)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	0.06	5.3	0.014	ND (0.000706)	ND (0.000691)	ND (0.000721)	ND (0.000674)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin aldehyde	NA	NA	NA	ND (0.00212)	ND (0.00207)	ND (0.00216)	ND (0.00202)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	NA	NA	NA	ND (0.0017)	ND (0.00166)	ND (0.00173)	ND (0.00162)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
gamma-BHC (Lindane)	0.05	0.21	0.025	ND (0.000706)	ND (0.000691)	ND (0.000721)	ND (0.000674)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane (trans)	NA	NA	NA	0.001 J	ND (0.00207)	ND (0.00216)	ND (0.00202)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.38	0.53	0.013	ND (0.000848)	ND (0.00083)	ND (0.000865)	ND (0.000808)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor epoxide	NA	NA	NA	ND (0.00318)	ND (0.00311)	ND (0.00324)	ND (0.00303)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	NA	NA	NA	ND (0.00318)	ND (0.00311)	ND (0.00324)	ND (0.00303)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxaphene	NA	NA	NA	ND (0.0318)	ND (0.0311)	ND (0.0324)	ND (0.0303)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls (mg/kg)																								
Aroclor-1016 (PCB-1016)	NA	NA	NA	ND (0.0505)	ND (0.0519)	ND (0.0523)	ND (0.0496)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	NA	NA	ND (0.0505)	ND (0.0519)	ND (0.0523)	ND (0.0496)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	NA	NA	ND (0.0505)	ND (0.0519)	ND (0.0523)	ND (0.0496)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	NA	NA	ND (0.0505)	ND (0.0519)	ND (0.0523)	ND (0.0496)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	NA	NA	ND (0.0505)	ND (0.0519)	ND (0.0523)	ND (0.0496)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	NA	NA	ND (0.0505)	ND (0.0519)	ND (0.0523)	ND (0.0496)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	NA	NA	0.101	ND (0.0519)	ND (0.0523)	ND (0.0496)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	NA	NA	ND (0.0505)	ND (0.0519)	ND (0.0523)	ND (0.0496)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	NA	NA	ND (0.0505)	ND (0.0519)	ND (0.0523)	ND (0.0496)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	3.2	1	0.1	0.101	ND (0.0519)	ND (0.0523)	ND (0.0496)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE III
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																						
Location Name	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	B-15_D	B-15_D	B-15_D	B-15_D	B-21_D	B-23	B-23	B-23	B-23	DB-02	DB-02	DB-02	DB-02A	DB-02A	DB-02A	DB-03A	DB-03A	DB-03A	DB-03B	DB-03B	DB-03B
Sample Name				B-15_D_0-2	DUP-01_20250204	B-15_D_2-4	B-15_D_10-12	B-21_D_0-2	B-23_0-2_RS	B-23_3-5_RS	B-23_7-9_RS	DUP-03_20260316	DB-02_0-2	DB-02_3-5	DB-02_7-9	DB-02A_0-2	DB-02A_3-5	DB-02A_7-9	DB-03A_0-2	DB-03A_3-5	DB-03A_7-9	DB-03B_0-2	DB-03B_3-5	DB-03B_7-9
Sample Date				02/04/2026	02/04/2026	02/04/2026	02/04/2026	02/06/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026
Lab Sample ID				L2606227-04	L2606227-05	L2606227-06	L2606227-07	L2606929-01	L2614270-16	L2614270-17	L2614270-18	L2614270-19	L2614270-26	L2614270-27	L2614270-28	L2614270-29	L2614270-30	L2614270-31	L2614270-10	L2614270-11	L2614270-12	L2614270-13	L2614270-14	L2614270-15
Sample Depth (bgs)	2025	2025	2025	0 - 2 (ft)	0 - 2 (ft)	2 - 4 (ft)	10 - 12 (ft)	0 - 2 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)
Inorganic Compounds (mg/kg)																								
Aluminum	NA	NA	NA	5000	3320	6040	4100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	NA	NA	NA	ND (4.31) J	ND (4.28) J	ND (4.34) J	ND (4.02) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	16	16	13	7.01 J-	7.08 J-	2.31 J-	1.72 J-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	820	410	410	173 J	62.9 J	24.6	12.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	47	43	4.4	0.28 J	0.23 J	0.254 J	0.245 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	7.5	2.5	2.5	2.36	1.8	0.127 J	0.077 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NA	NA	NA	11600 J+	19400 J+	902 J+	979 J+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	NA	NA	25.7 J	54.9 J	8.33	11.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	19	1	1	ND (0.88)	ND (0.874)	ND (0.91)	ND (0.856)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	NA	NA	NA	4.81	4.74	3.71	3.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	1720	280	50	152 J+	229 J+	6.43 J+	9.9 J+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NA	NA	NA	16700	19800	10900	8530	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	450	400	63	***528 J+***	314 J+	21.3 J+	5.01 J+	31.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	NA	NA	NA	6540 J+	10300 J+	1820 J+	1960 J+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	2000	2000	1600	212	188	114	126	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	0.73	0.3	0.18	***4.93 J***	0.333 J	0.135	ND (0.075)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	130	320	30	49.5	39.7	9.25	9.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	NA	NA	NA	949 J	537 J	407	523	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	4	110	3.9	0.459 J	0.288 J	ND (1.74)	ND (1.61)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	8.3	110	2	0.691	1.01	ND (0.434)	ND (0.402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NA	NA	NA	ND (172)	ND (171)	ND (174)	ND (161)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	NA	NA	NA	ND (1.72)	ND (1.71)	ND (1.74)	ND (1.61)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	NA	NA	NA	23	34.2	11.7	11.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	2480	6600	109	1050	783	42.9	23.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																								
Lead	NA	NA	NA	0.03 J	0.0338 J	-	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other																								
Total Solids (%)	NA	NA	NA	90.9	91.5	87.9	93.5	91.4	83.2	94.1	88.5	89	90.6	91.5	91.4	85.3	93	91.9	88.9	94.1	92.5	85.5	93.8	91.5
Cyanide (mg/kg)	40	13	2.3	ND (1) J	ND (1.1) J	ND (1.1) J	ND (1) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram
mg/L: milligram per liter
-: Not Analyzed
B: Compound was found in the blank and the associated sample.
bgs: below ground surface
F: Results are considered to be an estimated maximum concentration
ft: feet
I: The lower value for the two columns has been reported due to obvious interference.
J-: Value is estimated, low bias.
J: Value is estimated.
J+: Value is estimated, high bias.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
P: The RPD between the results for the two columns exceeds the method-specified criteria.
R: Rejected

- 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.
- ***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 Use Residential Soil Cleanup Objectives.

TABLE III
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																					
Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Restricted Use Soil Cleanup Objectives - Protection of Groundwater 2025	NY Part 375 Restricted Residential Use Soil Cleanup Objectives 2025	NY Part 375 Unrestricted Use Soil Cleanup Objectives 2025	RI-SB-01 RI-SB-01_0-2 02/03/2026 L2605921-01 0 - 2 (ft)	RI-SB-01 RI-SB-01_2-4 02/03/2026 L2605921-02 2 - 4 (ft)	RI-SB-01 RI-SB-01_10-12 02/03/2026 L2605921-03 10 - 12 (ft)	RI-SB-02 RI-SB-02_0-2 02/06/2026 L2606929-09 0 - 2 (ft)	RI-SB-02 RI-SB-02_7-9 02/06/2026 L2606929-10 7 - 9 (ft)	RI-SB-02 RI-SB-02_13-15 02/06/2026 L2606929-11 13 - 15 (ft)	RI-SB-03 RI-SB-03_0-2 02/03/2026 L2605921-07 0 - 2 (ft)	RI-SB-03 RI-SB-03_3-5 02/03/2026 L2605921-08 3 - 5 (ft)	RI-SB-03 RI-SB-03_10-12 02/03/2026 L2605921-09 10 - 12 (ft)	RI-SB-04 RI-SB-04_0-2 02/04/2026 L2606227-11 0 - 2 (ft)	RI-SB-04 RI-SB-04_10-12 02/04/2026 L2606227-12 10 - 12 (ft)	RI-SB-04 DUP-02_20260204 02/04/2026 L2606227-13 10 - 12 (ft)	RI-SB-04 RI-SB-04_18-20 02/04/2026 L2606227-14 18 - 20 (ft)	RI-SB-05 RI-SB-05_0-2 02/06/2026 L2606929-05 0 - 2 (ft)	RI-SB-05 DUP-04_20260206 02/06/2026 L2606929-06 0 - 2 (ft)	RI-SB-05 RI-SB-05_7-9 02/06/2026 L2606929-07 7 - 9 (ft)	RI-SB-05 RI-SB-05_13-15 02/06/2026 L2606929-08 13 - 15 (ft)	RI-SB-06 RI-SB-06_0-2 02/13/2026 L2608265-05 2 - 2 (ft)	RI-SB-06 RI-SB-06_10-12 02/13/2026 L2608265-06 10 - 12 (ft)
Volatile Organic Compounds (mg/kg)																						
1,1,1,2-Tetrachloroethane	NA	NA	NA	ND (0.00055)	ND (0.00046)	ND (0.00056)	ND (0.00088)	ND (0.00052)	ND (0.00056)	ND (0.0006)	ND (0.00057)	ND (0.00062)	ND (0.00046)	ND (0.00053)	ND (0.00057)	ND (0.00046)	ND (0.00086)	ND (0.00056)	ND (0.00053)	ND (0.00057)	ND (0.0005)	ND (0.00057)
1,1,1-Trichloroethane	0.68	100	0.68	0.00042 J	0.00063	ND (0.00056)	ND (0.00088)	ND (0.00052)	ND (0.00056)	ND (0.0006)	ND (0.00057)	ND (0.00062)	ND (0.00046)	0.00018 J	ND (0.00057)	0.00052	ND (0.00086)	ND (0.00056)	ND (0.00053)	ND (0.00057)	ND (0.0005)	ND (0.00057)
1,1,2,2-Tetrachloroethane	NA	NA	NA	ND (0.00055)	ND (0.00046)	ND (0.00056)	ND (0.00088)	ND (0.00052)	ND (0.00056)	ND (0.0006)	ND (0.00057)	ND (0.00062)	ND (0.00046)	ND (0.00053)	ND (0.00057)	ND (0.00046)	ND (0.00086)	ND (0.00056)	ND (0.00053)	ND (0.00057)	ND (0.0005)	ND (0.00057)
1,1,2-Trichloroethane	NA	NA	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.0011)
1,1-Dichloroethane	0.27	47	0.27	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.0011)
1,1-Dichloroethene	0.33	0.98	0.24	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.0011)
1,1-Dichloropropene	NA	NA	NA	ND (0.00055)	ND (0.00046)	ND (0.00056)	ND (0.00088)	ND (0.00052)	ND (0.00056)	ND (0.0006)	ND (0.00057)	ND (0.00062)	ND (0.00046)	ND (0.00053)	ND (0.00057)	ND (0.00046)	ND (0.00086)	ND (0.00056)	ND (0.00053)	ND (0.00057)	ND (0.0005)	ND (0.00057)
1,2,3-Trichlorobenzene	NA	NA	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0023)
1,2,3-Trichloropropane	NA	NA	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0023)
1,2,4,5-Tetramethylbenzene	NA	NA	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	0.00086 J	0.0003 J
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0023)
1,2,4-Trimethylbenzene	5.9	100	5.9	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0023)
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	ND (0.0033)	ND (0.0028)	ND (0.0034)	ND (0.0053)	ND (0.0031)	ND (0.0034)	ND (0.0036)	ND (0.0034)	ND (0.0037)	ND (0.0028)	ND (0.0032)	ND (0.0034)	ND (0.0028)	ND (0.0052)	ND (0.0033)	ND (0.0032)	ND (0.0034)	ND (0.003)	ND (0.0034)
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.0011)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0023)
1,2-Dichloroethane	0.02	5.8	0.02	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.0011)
1,2-Dichloroethene (total)	NA	NA	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	0.0003 J	0.0033	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	0.00028 J	ND (0.0011)	ND (0.001)	ND (0.0011)
1,2-Dichloropropane	NA	NA	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.0011)
1,3,5-Trimethylbenzene	3.1	100	3.1	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0023)
1,3-Dichlorobenzene	2.6	38	2.6	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0023)
1,3-Dichloropropane	NA	NA	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0023)
1,3-Dichloropropene	NA	NA	NA	ND (0.00055)	ND (0.00046)	ND (0.00056)	ND (0.00088)	ND (0.00052)	ND (0.00056)	ND (0.0006)	ND (0.00057)	ND (0.00062)	ND (0.00046)	ND (0.00053)	ND (0.00057)	ND (0.00046)	ND (0.00086)	ND (0.00056)	ND (0.00053)	ND (0.00057)	ND (0.0005)	ND (0.00057)
1,4-Dichlorobenzene	1.8	24	1.8	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0023)
1,4-Diethylbenzene	NA	NA	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0023)
1,4-Dioxane	0.1	5.7	0.1	ND (0.088)	ND (0.074)	ND (0.09)	ND (0.14)	ND (0.083)	ND (0.09)	ND (0.096)	ND (0.091)	ND (0.098)	ND (0.074)	ND (0.085)	ND (0.091)	ND (0.073)	ND (0.14)	ND (0.089)	ND (0.085)	ND (0.091)	ND (0.081)	ND (0.092)
2,2-Dichloropropane	NA	NA	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0023)
2-Butanone (Methyl Ethyl Ketone)	0.1	100	0.1	ND (0.011)	ND (0.0093)	ND (0.011)	ND (0.018) J	ND (0.01) J	ND (0.011) J	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.0092)	ND (0.011)	ND (0.011)	ND (0.0092)	ND (0.017) J	ND (0.011) J	ND (0.011) J	ND (0.011) J	ND (0.01)	ND (0.011)
2-Chlorotoluene	NA	NA	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0023)
2-Hexanone (Methyl Butyl Ketone)	NA	NA	NA	ND (0.011)	ND (0.0093)	ND (0.011)	ND (0.018)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.0092) J	ND (0.011) J	ND (0.011) J	ND (0.0092) J	ND (0.017)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.011)
2-Phenylbutane (sec-Butylbenzene)	25	100	25	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.0011)
4-Chlorotoluene	NA	NA	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0023)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0023)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	ND (0.011)	ND (0.0093)	ND (0.011)	ND (0.018)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.0092)	ND (0.011)	ND (0.011)	ND (0.0092)	ND (0.017)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.011)
Acetone	0.03	100	0.03	ND (0.011)	ND (0.0093)	ND (0.011)	ND (0.018)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.0092)	ND (0.011)	ND (0.011)	ND (0.0092)	ND (0.017)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.012)
Acrylonitrile	NA	NA	NA	ND (0.0044)	ND (0.0037)	ND (0.0045)	ND (0.007)	ND (0.0041)	ND (0.0045)	ND (0.0048)	ND (0.0046)	ND (0.0049)	ND (0.0037)	ND (0.0043)	ND (0.0045)	ND (0.0037)	ND (0.0069)	ND (0.0044)	ND (0.0043)	ND (0.0046)	ND (0.004)	ND (0.0046)
Benzene	0.06	3.7	0.06	ND (0.00055)	ND (0.00046)	ND (0.00056)	ND (0.00088)	0.00065	ND (0.00056)	ND (0.0006)	ND (0.00057)	ND (0.00062)	ND (0.00046)	ND (0.00053)	ND (0.00057)	ND (0.00046)	0.00038 J	0.00025 J	ND (0.00053)	ND (0.00057)	ND (0.0005)	ND (0.00057)
Bromobenzene	NA	NA	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0023)
Bromodichloromethane	NA	NA	NA	ND (0.00055)	ND (0.00046)	ND (0.00056)	ND (0.00088)	ND (0.00052)	ND (0.00056)	ND (0.0006)	ND (0.00057)	ND (0.00062)	ND (0.00046)	ND (0.00053)	ND (0.00057)	ND (0.00046)	ND (0.00086)	ND (0.00056)	ND (0.00053)	ND (0.00057)	ND (0.0005)	ND (0.00057)
Bromoform	NA	NA	NA	ND (0.0044)	ND (0.0037)	ND (0.0045)	ND (0.007)	ND (0.0041)	ND (0.0045)	ND (0.0048)	ND (0.0046)	ND (0.0049)	ND (0.0037)	ND (0.0043)	ND (0.0045)	ND (0.0037)	ND (0.0069)	ND (0.0044)	ND (0.0043)	ND (0.0046)	ND (0.004)	ND (0.0046)
Bromomethane (Methyl Bromide)	NA	NA	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0023)
Carbon disulfide	NA	NA	NA	ND (0.011)	ND (0.0093)	ND (0.011)	ND (0.018)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.0092)	ND (0.011)	ND (0.011)	ND (0.0092)	ND (0.017)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.011)
Carbon tetrachloride	0.76	7.1	0.76	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.0011)
Chlorobenzene	4.5	100	4.5	ND (0.00055)	ND (0.00046)	ND (0.00056)	ND (0.00088)	ND (0.00052)	ND (0.00056)	ND (0.0006)	ND (0.00057)	ND (0.00062)	ND (0.00046)	ND (0.00053)	ND (0.00057)	ND (0.00046)	ND (0.00086)	ND (0.00056)	ND (0.00053)	ND (0.00057)	ND (0.0005)	ND (0.00057)
Chlorobromomethane	NA	NA	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0023)
Chloroethane	NA	NA	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0023)
Chloroform (Trichloromethane)	0.37	24	0.37	ND (0.0016)	ND (0.0014)	ND (0.0017)	ND (0.0026)	ND (0.0016)	ND (0.0017)	ND (0.0018)	ND (0.0017)	ND (0.0018)	ND (0.0014)	ND (0.0016)	ND (0.0017)	ND (0.0014)	ND (0.0026)	ND (0.0017)	ND (0.0016)	ND (0.0017)	ND (0.0015)	ND (0.0017)
Chloromethane (Methyl Chloride)	NA	NA	NA	ND (0.0044)	ND (0.0037)	ND (0.0045)	ND (0.007)	ND (0.0041)	ND (0.0045)	ND (0.0048)	ND (0.0046)	ND (0.0049)	ND (0.0037)	ND (0.0043)	ND (0.0045)	ND (0.0037)	ND (0.0069)	ND (0.0044)	ND (0.0043)	ND (0.0046)	ND (0.004)	ND (0.0046)
cis-1,2-Dichloroethene	0.19	41	0.19	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	0.0003 J	0.0033	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	0.00028 J	ND (0.0011)	ND (0.001)	ND (0.0011)
cis-1,3-Dichloropropene	NA	NA	NA	ND (0.00055)	ND (0.00046)	ND (0.00056)	ND (0.00088)	ND (0.00052)	ND (0.00056)	ND (0.0006)	ND (0.00057)	ND (0.00062)	ND (0.00046)	ND (0.00053)	ND (0.00057)	ND (0.00046)	ND (0.00086)	ND (0.00056)	ND (0.00053)	ND (0.00057)	ND (0.0005)	ND (0.00057)
Cymene (p-Isopropyltoluene)	NA	NA	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	0.00042 J	ND (0.0011)
Dibromochloromethane	NA	NA	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.0011)
Dibromomethane	NA	NA	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0023)
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	ND (0.011)	ND (0.0093)	ND (0.011)	ND (0.018)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.0092)	ND (0.011)	ND (0.011)	ND (0.0092)	ND (0.017)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.011)
Ethyl Ether	NA	NA	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0023)
Ethylbenzene	1	76	1	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.0011)
Hexachlorobutadiene	NA	NA	NA	ND (0.0044)	ND (0.0037)	ND (0.0045)	ND (0.007)	ND (0.0041)	ND (0.0045)	ND (0.0048)	ND (0.0046)	ND (0.0049)	ND (0.0037)	ND (0.0043)	ND (0.0045)	ND (0.0037)	ND (0.0069)	ND (0.0044)	ND (0.0043)	ND (0.0046)	ND (0.004)	ND (0.0046)
Isopropylbenzene (Cumene)	NA	NA	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.0011)
m,p-Xylenes	NA	NA	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0023)
Methyl Tert Butyl Ether (MTBE)	0.1	100	0.1	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0023)
Methylene chloride (Dichloromethane)	0.05	81	0.05	ND (0.0055)	ND (0.0046)	ND (0.0056)	ND (0.0088)	ND (0.0052)	ND (0.0056)	ND (0.006)	ND (0.0057)	ND (0.0062)	ND (0.0046)	ND (0.0053)	ND (0.0057)	ND (0.0046)	ND (0.0086)	ND (0.0056)	ND (0.0053)	ND (0.0057)	ND (0.005)	ND (0.0057)
Naphthalene	12	100	12	ND (0.0044)	ND (0.0037)	ND (0.0045)	ND (0.007)	ND (0.0041)	ND (0.0045)	ND (0.0048)	ND (0.0046)	ND (0.0049)	ND (0.0037)	ND (0.0043)	ND (0.0045)	ND (0.0037)	ND (0.0069)	ND (0.0044)	ND (0.0043)	ND (0.0046)	ND (0.004)	ND (0.0046)
n-Butylbenzene	18	100	18	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.0011)
n-Propylbenzene	5	100	5	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.0011)
o-Xylene	NA	NA	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.0011)
Styrene	NA	NA	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.0011)
tert-Butylbenzene	11	100	11	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0023)
Tetrachloroethene	1.3	18	1.3	ND (0.00055)	ND (0.00046)	ND (0.00056)	ND (0.00088)	0.0042	0.022	ND (0.0006)	ND (0.00057)	ND (0.00062)	ND (0.00046)	ND (0.00053)	ND (0.00057)	ND (0.00046)	0.033	0.021	0.0099	0.0071	ND (0.0005)	ND (0.00057)
Toluene	0.7	100	0.7	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.0011)
trans-1,2-Dichloroethene	0.19	100	0.19	ND (0.0016)	ND (0.0014)	ND (0.0017)	ND (0.0026)	ND (0.0016)	ND (0.0017)	ND (0.0018)	ND (0.0017)	ND (0.0018)	ND (0.0014)	ND (0.0016)	ND (0.0017)	ND (0.0014)	ND (0.0026)	ND (0.0017)	ND (0.0016)	ND (0.0017)	ND (0.0015)	ND (0.0017)
trans-1,3-Dichloropropene	NA	NA	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.0011)
trans-1,4-Dichloro-2-butene	NA	NA	NA	ND (0.0055)	ND (0.0046)	ND (0.0056)	ND (0.0088)	ND (0.0052)	ND (0.0056)	ND (0.006)	ND (0.0057)	ND (0.0062)	ND (0.0046)	ND (0.0053)	ND (0.0057)	ND (0.0046)	ND (0.0086)	ND (0.0056)	ND (0.0053)	ND (0.0057)	ND (0.005)	ND (0.0057)
Trichloroethene	0.47	6.4	0.47	ND (0.00055)	ND (0.00046)	ND (0.00056)	ND (0.00088)	0.00028 J	0.0063	ND (0.0006)	ND (0.00057)	ND (0.00062)	ND (0.00046)	ND (0.00053)	ND (0.00057)	0.00016 J	0.00092	0.00092	0.0018	0.00069	ND (0.0005)	ND (0.00057)
Trichlorofluoromethane (CFC-11)	NA	NA	NA	ND (0.0044)	ND (0.0037)	ND (0.0045)	ND (0.007)	ND (0.0041)	ND (0.0045)	ND (0.0048)	ND (0.0046)	ND (0.0049)	ND (0.0037)	ND (0.0043)	ND (0.0045)	ND (0.0037)	ND (0.0069)	ND (0.0044)	ND (0.0043)	ND (0.0046)	ND (0.004)	ND (0.0046)
Vinyl acetate	NA	NA	NA	ND (0.011)	ND (0.0093)	ND (0.011)	ND (0.018)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.0092) J	ND (0.011) J	ND (0.011) J	ND (0.0092) J	ND (0.017)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.011)
Vinyl chloride	0.03	0.48	0.03	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.0011)
Xylene (Total)	1.2	100	0.26	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.0011)

TABLE III
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

Location Name	Criteria			RI-SB-01	RI-SB-01	RI-SB-01	RI-SB-02	RI-SB-02	RI-SB-02	RI-SB-03	RI-SB-03	RI-SB-03	RI-SB-04	RI-SB-04	RI-SB-04	RI-SB-04	RI-SB-05	RI-SB-05	RI-SB-05	RI-SB-05	RI-SB-06	RI-SB-06
Sample Name	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	RI-SB-01_0-2	RI-SB-01_2-4	RI-SB-01_10-12	RI-SB-02_0-2	RI-SB-02_7-9	RI-SB-02_13-15	RI-SB-03_0-2	RI-SB-03_3-5	RI-SB-03_10-12	RI-SB-04_0-2	RI-SB-04_10-12	DUP-02_20260204	RI-SB-04_18-20	RI-SB-05_0-2	DUP-04_20260206	RI-SB-05_7-9	RI-SB-05_13-15	RI-SB-06_0-2	RI-SB-06_10-12
Sample Date	2025	2025	2025	02/03/2026	02/03/2026	02/03/2026	02/06/2026	02/06/2026	02/06/2026	02/03/2026	02/03/2026	02/03/2026	02/04/2026	02/04/2026	02/04/2026	02/04/2026	02/06/2026	02/06/2026	02/06/2026	02/06/2026	02/13/2026	02/13/2026
Lab Sample ID				L2605921-01	L2605921-02	L2605921-03	L2606929-09	L2606929-10	L2606929-11	L2605921-07	L2605921-08	L2605921-09	L2606227-11	L2606227-12	L2606227-13	L2606227-14	L2606929-05	L2606929-06	L2606929-07	L2606929-08	L2608265-05	L2608265-06
Sample Depth (bgs)				0 - 2 (ft)	2 - 4 (ft)	10 - 12 (ft)	0 - 2 (ft)	7 - 9 (ft)	13 - 15 (ft)	0 - 2 (ft)	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	10 - 12 (ft)	18 - 20 (ft)	0 - 2 (ft)	0 - 2 (ft)	7 - 9 (ft)	13 - 15 (ft)	2 - 2 (ft)	10 - 12 (ft)
Semi-Volatile Organic Compounds (mg/kg)																						
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
1,3-Dichlorobenzene	2.6	38	2.6	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
1,4-Dichlorobenzene	1.8	24	1.8	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
1,4-Dioxane	0.1	5.7	0.1	ND (0.027)	ND (0.026)	ND (0.026)	ND (0.026)	ND (0.54)	ND (0.027)	ND (0.026)	ND (0.027)	ND (0.029)	ND (0.027)	ND (0.032)	ND (0.029)	ND (0.028)	ND (0.054)	ND (0.052)	ND (0.028)	ND (0.027)	ND (0.029)	ND (0.028)
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	ND (0.22)	ND (0.21)	ND (0.21)	ND (0.21)	ND (4.3)	ND (0.22)	ND (0.21)	ND (0.21)	ND (0.23)	ND (0.22)	ND (0.26)	ND (0.23)	ND (0.22)	ND (0.43)	ND (0.41)	ND (0.22)	ND (0.22)	ND (0.23)	ND (0.22)
2,4,5-Trichlorophenol	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
2,4,6-Trichlorophenol	NA	NA	NA	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.1)	ND (2.2)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.13)	ND (0.11)	ND (0.11)	ND (0.21)	ND (0.21)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)
2,4-Dichlorophenol	NA	NA	NA	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.16)	ND (3.2)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.16)	ND (0.2)	ND (0.17)	ND (0.17)	ND (0.32)	ND (0.31)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.17)
2,4-Dimethylphenol	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
2,4-Dinitrophenol	NA	NA	NA	ND (0.86)	ND (0.82)	ND (0.85)	ND (0.84)	ND (17)	ND (0.87)	ND (0.83)	ND (0.85)	ND (0.92)	ND (0.87)	ND (1)	ND (0.92)	ND (0.9)	ND (1.7)	ND (1.6)	ND (0.88)	ND (0.87)	ND (0.93)	ND (0.9)
2,4-Dinitrotoluene	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
2,6-Dinitrotoluene	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
2-Chloronaphthalene	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
2-Chlorophenol	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
2-Methylnaphthalene	NA	NA	NA	ND (0.22)	ND (0.21)	ND (0.21)	ND (0.21)	ND (4.3)	0.041 J	ND (0.21)	ND (0.21)	ND (0.23)	ND (0.22)	ND (0.26)	ND (0.23)	ND (0.22)	ND (0.43)	ND (0.41)	0.1 J	0.076 J	0.06 J	0.046 J
2-Methylphenol (o-Cresol)	0.33	100	0.33	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
2-Nitroaniline	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
2-Nitrophenol	NA	NA	NA	ND (0.39)	ND (0.37)	ND (0.38)	ND (0.38)	ND (7.8)	ND (0.39)	ND (0.37)	ND (0.38)	ND (0.42)	ND (0.39)	ND (0.47)	ND (0.41)	ND (0.4)	ND (0.77)	ND (0.74)	ND (0.4)	ND (0.39)	ND (0.42)	ND (0.4)
3&4-Methylphenol	NA	NA	NA	ND (0.26)	ND (0.25)	ND (0.25)	ND (0.25)	ND (5.2)	ND (0.26)	ND (0.25)	ND (0.26)	ND (0.28)	ND (0.26)	ND (0.31)	ND (0.28)	ND (0.27)	ND (0.52)	ND (0.5)	ND (0.26)	ND (0.26)	ND (0.28)	ND (0.27)
3,3'-Dichlorobenzidine	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	0.18 R	0.22 R	0.19 R	0.19 R	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
3-Nitroaniline	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
4,6-Dinitro-2-methylphenol	NA	NA	NA	ND (0.47)	ND (0.45)	ND (0.46)	ND (0.46)	ND (9.4)	ND (0.47)	ND (0.45)	ND (0.46)	ND (0.5)	ND (0.47)	ND (0.56)	ND (0.5)	ND (0.49)	ND (0.93)	ND (0.9)	ND (0.48)	ND (0.47)	ND (0.5)	ND (0.49)
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
4-Chloro-3-methylphenol	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
4-Chloroaniline	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	0.18 R	0.22 R	0.19 R	0.19 R	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
4-Chlorophenyl phenyl ether	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
4-Nitroaniline	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
4-Nitrophenol	NA	NA	NA	ND (0.25)	ND (0.24)	ND (0.25)	ND (0.24)	ND (5.1)	ND (0.25)	ND (0.24)	ND (0.25)	ND (0.27)	ND (0.25)	ND (0.3)	ND (0.27)	ND (0.26)	ND (0.5)	ND (0.48)	ND (0.26)	ND (0.25)	ND (0.27)	ND (0.26)
Acenaphthene	98	100	20	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	1.2 J	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.15)	0.027 J	0.023 J	ND (0.15)	ND (0.15)	ND (0.29)	0.085 J	0.13 J	0.13 J	0.023 J	0.033 J
Acenaphthylene	365	100	100	0.03 J	ND (0.14)	ND (0.14)	0.05 J	ND (2.9)	0.051 J	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.14)	0.038 J	ND (0.15)	ND (0.15)	ND (0.29)	0.058 J	0.22	0.093 J	0.039 J	0.065 J
Acetophenone	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
Anthracene	1000	100	100	ND (0.11)	ND (0.1)	ND (0.11)	0.072 J	3.3	0.087 J	ND (0.1)	ND (0.11)	ND (0.12)	0.079 J	0.08 J	ND (0.11)	ND (0.11)	ND (0.21)	0.32	0.41	0.2	0.064 J	0.12
Benzo(a)anthracene	1	1.4	1	0.14	0.024 J	ND (0.11)	0.28	***7.8***	0.27	0.032 J	ND (0.11)	ND (0.12)	0.35	0.24 J	0.042 J	ND (0.11)	0.22 J	***1.2 J***	***1.3***	0.73	0.22	0.37
Benzo(a)pyrene	22	1	1	0.14	ND (0.14)	ND (0.14)	0.23	6.6	0.27	ND (0.14)	ND (0.14)	ND (0.15)	0.35	0.23	ND (0.15)	ND (0.15)	0.19 J	0.99 J	1.4	0.73	0.24	0.38
Benzo(b)fluoranthene	2.1	1.4	1	0.18	0.038 J	ND (0.11)	0.42	***8.5***	0.37	0.04 J	ND (0.11)	ND (0.12)	0.46	0.27 J	0.042 J	ND (0.11)	0.31 J	1.2 J	1.7	0.91	0.36	0.55
Benzo(g,h,i)perylene	1000	4.9	0.64	0.23	0.088 J	0.033 J	0.14	3.9	0.18	0.032 J	ND (0.14)	ND (0.15)	0.24	0.13 J	0.024 J	ND (0.15)	0.18 J	0.64 J	0.85	0.43	0.17	0.27
Benzo(k)fluoranthene	2	4.9	0.8	0.064 J	ND (0.1)	ND (0.11)	0.12	***2.8***	0.12	ND (0.1)	ND (0.11)	ND (0.12)	0.14	0.088 J	ND (0.11)	ND (0.11)	0.12 J	0.47 J	0.52	0.3	0.095 J	0.16
Benzoic acid	NA	NA	NA	0.58 R	0.56 R	0.57 R	ND (0.57)	ND (12)	ND (0.59)	0.56 R	0.58 R	0.62 R	ND (0.59)	ND (0.7)	ND (0.62)	ND (0.61)	ND (1.2)	ND (1.1)	ND (0.6)	ND (0.59)	ND (0.63)	ND (0.61)
Benzyl Alcohol	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
Biphenyl	NA	NA	NA	ND (0.41)	ND (0.39)	ND (0.4)	ND (0.4)	ND (8.2)	ND (0.41)	ND (0.39)	ND (0.4)	ND (0.44)	ND (0.41)	ND (0.5)	ND (0.44)	ND (0.43)	ND (0.82)	ND (0.78)	0.029 J	0.024 J	ND (0.44)	ND (0.43)
bis(2-Chloroethoxy)methane	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (3.9)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.2)	ND (0.23)	ND (0.21)	ND (0.2)	ND (0.39)	ND (0.37)	ND (0.2)	ND (0.2)	ND (0.21)	ND (0.2)
bis(2-Chloroethyl)ether	NA	NA	NA	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.16)	ND (3.2)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.16)	ND (0.2)	ND (0.17)	ND (0.17)	ND (0.32)	ND (0.31)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.17)
bis(2-Ethylhexyl)phthalate	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	0.074 J	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	0.52	0.091 J	0.11 J	0.27	0.13 J
Butyl benzylphthalate (BBP)	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
Carbazole	NA	NA	NA	0.019 J	ND (0.17)	ND (0.18)	0.019 J	0.9 J	0.021 J	ND (0.17)	ND (0.18)	ND (0.19)	0.042 J	0.022 J	ND (0.19)	ND (0.19)	ND (0.36)	0.061 J	0.13 J	0.072 J	0.051 J	0.1 J
Chrysene	1	4.9	1	0.14	0.022 J	ND (0.11)	0.39	***7.1***	0.3	0.034 J	ND (0.11)	ND (0.12)	0.36	0.24 J	0.034 J	ND (0.11)	0.29 J	***1.1 J***	***1.3***	0.7	0.25	0.44
Dibenz(a,h)anthracene	1000	0.33	0.33	0.024 J	ND (0.1)	ND (0.11)	0.034 J	0.99 J	0.044 J	ND (0.1)	ND (0.11)	ND (0.12)	0.051 J	0.027 J	ND (0.11)	ND (0.11)	0.042 J	0.15 J	0.18	0.1 J	0.037 J	0.061 J
Dibenzofuran	110	18	2.1	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	0.58 J	0.023 J	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	0.04 J	0.092 J	0.071 J	0.018 J	0.044 J
Diethyl phthalate	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
Dimethyl phthalate	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
Di-n-butylphthalate (DBP)	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
Di-n-octyl phthalate (DnOP)	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
Fluoranthene	1000	100	85	0.26	0.032 J	ND (0.11)	0.37	15	0.49	0.056 J	ND (0.11)	ND (0.12)	0.64	0.44 J	0.072 J	ND (0.11)	0.44 J	1.9 J	2.6	1.4	0.47	0.83
Fluorene	386	100	30	ND (0.18)	ND (0.17)	ND (0.18)	0.02 J	1.3 J	0.026 J	ND (0.17)	ND (0.18)	ND (0.19)	0.024 J	0.028 J	ND (0.19)	ND (0.19)	ND (0.36)	0.09 J	0.14 J	0.09 J	0.028 J	0.055 J
Hexachlorobenzene	3.2	0.33	0.33	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.1)	ND (2.2)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.13)	ND (0.11)	ND (0.11)	ND (0.21)	ND (0.21)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)
Hexachlorobutadiene	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
Hexachlorocyclopentadiene	NA	NA	NA	ND (0.52)	ND (0.49)	ND (0.5)	ND (0.5)	ND (10)	ND (0.52)	ND (0.49)	ND (0.51)	ND (0.55)	ND (0.52)	ND (0.62)	ND (0.55)	ND (0.54)	ND (1)	ND (0.98)	ND (0.52)	ND (0.52)	ND (0.55)	ND (0.54)
Hexachloroethane	NA	NA	NA	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (2.9)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.14)	ND (0.17)	ND (0.15)	ND (0.15)	ND (0.29)	ND (0.28)	ND (0.15)	ND (0.14)	ND (0.16)	ND (0.15)
Indeno(1,2,3-cd)pyrene	6.6	1.4	0.5	0.11 J	0.032 J	ND (0.14)	0.14	4	0.16	ND (0.14)	ND (0.14)	ND (0.15)	0.22	0.12 J	ND (0.15)	ND (0.15)	0.16 J	0.65 J	0.82	0.43	0.16	0.25
Isophorone	NA	NA	NA	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.16)	ND (3.2)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.16)	ND (0.2)	ND (0.17)	ND (0.17)	ND (0.32)	ND (0.31)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.17)
Naphthalene	12	100	12	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	0.056 J	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	0.16 J	ND (0.18)	ND (0.19)	0.068 J
Nitrobenzene	0.08	1.8	0.08	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.16)	ND (3.2)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.16)	ND (0.2)	ND (0.17)	ND (0.17)	ND (0.32)	ND (0.31)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.17)
N-Nitrosodi-n-propylamine	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.19)
N-Nitrosodiphenylamine	NA	NA	NA	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (2.9)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.14)	ND (0.17)	ND (0.15)	ND (0.15)	ND (0.29)	ND (0.28)	ND (0.15)	ND (0.14)	ND (0.16)	ND (0.15)
Pentachlorophenol	0.8	1.3	0.8	ND (0.14)	ND (0.14)	ND (0.14)	0.067 J	ND (2.9)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.14)	ND (0.17)	ND (0.15)	ND (0.15)	ND (0.29)	ND (0.28)	ND (0.15)	ND (0.14)	ND (0.16)	ND (0.15)
Phenanthrene	1000	4.9	1.1	0.13	ND (0.1)	ND (0.11)	0.16	10	0.26	0.04 J	ND (0.11)	ND (0.12)	0.34	0.32 J	0.031 J	ND (0.11)	0.38 J	1 J	1.5	0.82	0.31	0.7
Phenol	0.33	100	0.33	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)	***3***
Pyrene	1000	100	64	0.25	0.043 J	0.018 J	0.41	12	0.44	0.06 J	0.018 J	0.02 J	0.57	0.42 J	0.067 J	ND (0.11)	0.43 J	1.6 J	2.5	1.3	0.38	0.67

TABLE III
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																					
Location Name / Sample Name / Sample Date / Lab Sample ID / Sample Depth (bgs)	Restricted Use Soil Cleanup Objectives - Protection of Groundwater 2025	NY Part 375 Restricted Residential Use Soil Cleanup Objectives 2025	NY Part 375 Unrestricted Use Soil Cleanup Objectives 2025	RI-SB-01	RI-SB-01	RI-SB-01	RI-SB-02	RI-SB-02	RI-SB-02	RI-SB-03	RI-SB-03	RI-SB-03	RI-SB-04	RI-SB-04	RI-SB-04	RI-SB-04	RI-SB-05	RI-SB-05	RI-SB-05	RI-SB-05	RI-SB-06	RI-SB-06
Sample Name				RI-SB-01_0-2	RI-SB-01_2-4	RI-SB-01_10-12	RI-SB-02_0-2	RI-SB-02_7-9	RI-SB-02_13-15	RI-SB-03_0-2	RI-SB-03_3-5	RI-SB-03_10-12	RI-SB-04_0-2	RI-SB-04_10-12	DUP-02_20260204	RI-SB-04_18-20	RI-SB-05_0-2	DUP-04_20260206	RI-SB-05_7-9	RI-SB-05_13-15	RI-SB-06_0-2	RI-SB-06_10-12
Sample Date				02/03/2026	02/03/2026	02/03/2026	02/06/2026	02/06/2026	02/06/2026	02/03/2026	02/03/2026	02/03/2026	02/04/2026	02/04/2026	02/04/2026	02/04/2026	02/06/2026	02/06/2026	02/06/2026	02/06/2026	02/13/2026	02/13/2026
Lab Sample ID				L2605921-01	L2605921-02	L2605921-03	L2606929-09	L2606929-10	L2606929-11	L2605921-07	L2605921-08	L2605921-09	L2606227-11	L2606227-12	L2606227-13	L2606227-14	L2606929-05	L2606929-06	L2606929-07	L2606929-08	L2608265-05	L2608265-06
Sample Depth (bgs)				0 - 2 (ft)	2 - 4 (ft)	10 - 12 (ft)	0 - 2 (ft)	7 - 9 (ft)	13 - 15 (ft)	0 - 2 (ft)	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	10 - 12 (ft)	18 - 20 (ft)	0 - 2 (ft)	0 - 2 (ft)	7 - 9 (ft)	13 - 15 (ft)	2 - 2 (ft)	10 - 12 (ft)
PFAS (mg/kg)																						
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	NA	NA	ND (0.000785)	ND (0.000805)	ND (0.000805)	ND (0.000801)	ND (0.000786)	ND (0.00079)	ND (0.000805)	ND (0.000795)	ND (0.00081)	ND (0.000787)	ND (0.0008)	ND (0.000794)	ND (0.000785)	ND (0.000797)	ND (0.000798)	ND (0.000804)	ND (0.000804)	ND (0.000791)	ND (0.000793)
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	NA	NA	ND (0.0049)	ND (0.00503)	ND (0.00503)	ND (0.00501) J	ND (0.00491) J	ND (0.00494) J	ND (0.00503)	ND (0.00497)	ND (0.00506)	ND (0.00492)	ND (0.005)	ND (0.00496)	ND (0.00491)	ND (0.00498) J	ND (0.00499) J	ND (0.00503) J	ND (0.00503) J	ND (0.00494)	ND (0.00496)
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	NA	NA	ND (0.0049)	ND (0.00503)	ND (0.00503)	ND (0.00501)	ND (0.00491)	ND (0.00494)	ND (0.00503)	ND (0.00497)	ND (0.00506)	ND (0.00492)	ND (0.005)	ND (0.00496)	ND (0.00491)	ND (0.00498)	ND (0.00499)	ND (0.00503)	ND (0.00503)	ND (0.00494)	ND (0.00496)
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	NA	NA	ND (0.000981)	ND (0.00101)	ND (0.00101)	ND (0.001)	ND (0.000982)	ND (0.000988)	ND (0.001)	ND (0.000993)	ND (0.00101)	ND (0.000983)	ND (0.001)	ND (0.000993)	ND (0.000982)	ND (0.000997)	ND (0.000998)	ND (0.001)	ND (0.001)	ND (0.000989)	ND (0.000992)
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	NA	NA	ND (0.000785)	ND (0.000805)	ND (0.000805)	ND (0.000801)	ND (0.000786)	ND (0.00079)	ND (0.000805)	ND (0.000795)	ND (0.00081)	ND (0.000787)	ND (0.0008)	ND (0.000794)	ND (0.000785)	ND (0.000797)	ND (0.000798)	ND (0.000804)	ND (0.000804)	ND (0.000791)	ND (0.000793)
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	NA	NA	ND (0.000785)	ND (0.000805)	ND (0.000805)	ND (0.000801)	ND (0.000786)	ND (0.00079)	ND (0.000805)	ND (0.000795)	ND (0.00081)	ND (0.000787)	ND (0.0008)	ND (0.000794)	ND (0.000785)	ND (0.000797)	ND (0.000798)	ND (0.000804)	ND (0.000804)	ND (0.000791)	ND (0.000793)
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	NA	ND (0.000785)	ND (0.000805)	ND (0.000805)	ND (0.000801)	ND (0.000786)	ND (0.00079)	ND (0.000805)	ND (0.000795)	ND (0.00081)	ND (0.000787)	ND (0.0008)	ND (0.000794)	ND (0.000785)	ND (0.000797)	ND (0.000798)	ND (0.000804)	ND (0.000804)	ND (0.000791)	ND (0.000793)
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	NA	ND (0.000785)	ND (0.000805)	ND (0.000805)	ND (0.000801)	ND (0.000786)	ND (0.00079)	ND (0.000805)	ND (0.000795)	ND (0.00081)	ND (0.000787)	ND (0.0008)	ND (0.000794)	ND (0.000785)	ND (0.000797)	ND (0.000798)	ND (0.000804)	ND (0.000804)	ND (0.000791)	ND (0.000793)
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	NA	NA	ND (0.000785)	ND (0.000805)	ND (0.000805)	ND (0.000801)	ND (0.000786)	ND (0.00079)	ND (0.000805)	ND (0.000795)	ND (0.00081)	ND (0.000787)	ND (0.0008)	ND (0.000794)	ND (0.000785)	ND (0.000797)	ND (0.000798)	ND (0.000804)	ND (0.000804)	ND (0.000791)	ND (0.000793)
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	NA	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	ND (0.000196)	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)	ND (0.000198)
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	NA	NA	ND (0.000196) J	ND (0.000201) J	ND (0.000201) J	ND (0.0002)	ND (0.000196)	ND (0.000198)	ND (0.000201) J	ND (0.000199) J	ND (0.000203)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)	ND (0.000198)
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	NA	NA	ND (0.00196) J	ND (0.00201) J	ND (0.00201) J	ND (0.002)	0.000279 J	ND (0.00198)	ND (0.00201) J	ND (0.00199) J	ND (0.00203)	ND (0.00197)	ND (0.002)	ND (0.00199)	ND (0.00196)	ND (0.00199)	ND (0.002)	ND (0.00201)	ND (0.00201)	ND (0.00198)	ND (0.00198)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NA	NA	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	ND (0.000196)	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)	ND (0.000198)
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	NA	NA	ND (0.000196) J	ND (0.000201) J	ND (0.000201) J	ND (0.0002)	ND (0.000196)	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)	ND (0.000198)
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	NA	NA	ND (0.00196) J	ND (0.00201) J	ND (0.00201) J	ND (0.002)	0.000473 J	ND (0.00198)	ND (0.00201) J	ND (0.00199) J	ND (0.00203)	ND (0.00197)	ND (0.002)	ND (0.00199)	ND (0.00196)	ND (0.00199)	ND (0.002)	ND (0.00201)	ND (0.00201)	ND (0.00198)	ND (0.00198)
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	NA	NA	ND (0.000392)	ND (0.000402)	ND (0.000403)	0.000401 R	0.000393 R	0.000395 R	ND (0.000402)	ND (0.000397)	ND (0.000405)	0.000393 R	0.0004 R	0.000397 R	0.000393 R	0.000399 R	0.000399 R	0.000402 R	0.000402 R	ND (0.000396)	ND (0.000397)
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	NA	NA	ND (0.000392)	ND (0.000402)	ND (0.000403)	ND (0.000401)	ND (0.000393)	ND (0.000395)	ND (0.000402)	ND (0.000397)	ND (0.000405)	ND (0.000393)	ND (0.0004)	ND (0.000397)	ND (0.000393)	ND (0.000399)	ND (0.000399)	ND (0.000402)	ND (0.000402)	ND (0.000396)	ND (0.000397)
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	NA	NA	ND (0.000392)	ND (0.000402)	ND (0.000403)	ND (0.000401)	ND (0.000393)	ND (0.000395)	ND (0.000402)	ND (0.000397)	ND (0.000405)	ND (0.000393)	ND (0.0004)	ND (0.000397)	ND (0.000393)	ND (0.000399)	ND (0.000399)	ND (0.000402)	ND (0.000402)	ND (0.000396)	ND (0.000397)
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	NA	NA	ND (0.000785)	ND (0.000805)	ND (0.000805)	ND (0.000801)	ND (0.000786)	ND (0.00079)	ND (0.000805)	ND (0.000795)	ND (0.00081)	ND (0.000787)	ND (0.0008)	ND (0.000794)	ND (0.000785)	ND (0.000797)	ND (0.000798)	ND (0.000804)	ND (0.000804)	ND (0.000791)	ND (0.000793)
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	NA	NA	ND (0.000392)	ND (0.000402)	ND (0.000403)	ND (0.000401)	ND (0.000393)	ND (0.000395)	ND (0.000402)	ND (0.000397)	ND (0.000405)	ND (0.000393)	ND (0.0004)	ND (0.000397)	ND (0.000393)	ND (0.000399)	ND (0.000399)	ND (0.000402)	ND (0.000402)	ND (0.000396)	ND (0.000397)
Perfluorobutanesulfonic acid (PFBS)	NA	NA	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	ND (0.000196)	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)	ND (0.000198)
Perfluorobutanoic acid (PFBA)	NA	NA	NA	ND (0.000785)	ND (0.000805)	ND (0.000805)	ND (0.000801)	ND (0.000786)	ND (0.00079)	ND (0.000805)	ND (0.000795)	ND (0.00081)	ND (0.000787)	ND (0.0008)	ND (0.000794)	ND (0.000785)	ND (0.000797)	ND (0.000798)	ND (0.000804)	ND (0.000804)	ND (0.000791)	ND (0.000793)
Perfluorodecanesulfonic acid (PFDS)	NA	NA	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	0.000212	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)	ND (0.000198)
Perfluorodecanoic acid (PFDA)	NA	NA	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	0.00032	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	0.000154 J	0.000107 J	0.000175 J	0.000106 J	0.00013 J	ND (0.000201)	ND (0.000201)	0.00014 J	ND (0.000198)
Perfluorododecane sulfonic acid (PFDoDS)	NA	NA	NA	ND (0.000196) J	ND (0.000201) J	ND (0.000201) J	ND (0.0002)	ND (0.000196)	ND (0.000198)	ND (0.000201) J	ND (0.000199) J	ND (0.000203) J	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)	ND (0.000198)
Perfluorododecanoic acid (PFDoDA)	NA	NA	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	0.00013 J	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)	ND (0.000198)
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	0.000088 J	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)	ND (0.000198)
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	0.000293	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	0.000404	0.00026	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)	ND (0.000198)
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	0.000236	0.000073 J	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	0.000074 J	0.00005 J	ND (0.000196)	0.000062 J	ND (0.0002)	0.000056 J	0.000084 J	ND (0.000198) J	ND (0.000198) J
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	0.000322	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	0.000904 J	0.000588 J	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)	ND (0.000198)
Perfluorononane sulfonic acid (PFNS)	NA	NA	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	ND (0.000196)	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)	ND (0.000198)
Perfluorononanoic acid (PFNA)	NA	NA	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	0.000275	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	0.000069 J	0.000138 J	0.000111 J	0.000051 J	0.000096 J	0.000054 J	0.00005 J	0.000052 J	0.000127 J	ND (0.000198)
Perfluorooctane sulfonamide (PFOSA)	NA	NA	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	ND (0.000196)	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)	ND (0.000198)
Perfluorooctanesulfonic acid (PFOS)	0.001	0.044	0.00088	ND (0.000196)	ND (0.000201)	ND (0.000201)	0.000138 J	***0.0182***	***0.00125***	0.000358	0.000578	ND (0.000203)	0.000435 J	0.000358 J	0.000183 J	0.000232 J	***0.0013 J***	0.000477 J	0.000523	0.000561	0.000615	0.000482
Perfluorooctanoic acid (PFOA)	0.0008	0.033	0.00066	0.000092 J	0.000079 J	ND (0.000201)	0.000052 J	***0.00091***	0.000126 J	0.000278	0.000141 J	ND (0.000203)	0.000291	***0.0016 J***	***0.000872 J***	0.000196	0.000126 J	0.000064 J	0.000318	0.000639	0.000299	0.00024
Perfluoropentanesulfonic acid (PFPeS)	NA	NA	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	ND (0.000196)	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)	ND (0.000198)
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	ND (0.000392)	ND (0.000402)	ND (0.000403)	ND (0.000401)	0.000214 J	ND (0.000395)	ND (0.000402)	0.000159 J	ND (0.000405)	ND (0.000393)	0.00108 J	0.00063 J	0.000192 J	0.000126 J	0.000092 J	ND (0.000402)	ND (0.000402)	ND (0.000396)	ND (0.000397)
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	NA	ND (0.000196) J	ND (0.000201) J	ND (0.000201) J	ND (0.0002)	ND (0.000196)	ND (0.000198)	ND (0.000201) J	ND (0.000199) J	ND (0.000203)	ND (0.000197)	ND (0.0002) J	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201) J	ND (0.000198)	ND (0.000198) J
Perfluorotridecanoic acid (PFTrDA)	NA	NA	NA	ND (0.000196) J	ND (0.000201) J	ND (0.000201) J	ND (0.0002)	ND (0.000196)	ND (0.000198)	ND (0.000201) J	ND (0.000199) J	ND (0.000203)	ND (0.000197)	ND (0.0002) J	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201) J	ND (0.000198)	ND (0.000198) J
Perfluoroundecanoic acid (PFUnDA)	NA	NA	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	0.000094 J	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	0.00015 J	0.000109 J	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)	ND (0.000198)
Pesticides (mg/kg)																						
4,4'-DDD	14	5	0.0033	ND (0.00168)	ND (0.00164)	ND (0.00171)	0.00266	ND (0.00168)	ND (0.00164)	ND (0.00162)	ND (0.00167)	ND (0.00178)	0.00186 J	ND (0.00199)	ND (0.00185)	ND (0.00179)	ND (0.00167) J	0.00511 J	0.0144	0.0071	ND (0.00186)	ND (0.00178)
4,4'-DDE	9.3	3.4	0.0033	ND (0.00168)	ND (0.00164)	ND (0.00171)	0.0079	ND (0.00168)	ND (0.00164)	ND (0.00162)	ND (0.00167)	ND (0.00178)	0.00148 J	ND (0.00199)	ND (0.00185)	ND (0.00179)	ND (0.00167)	ND (0.00161)	0.0202	0.00602	0.00127 J	0.00235
4,4'-DDT	135	3.8	0.0033	ND (0.00168)	ND (0.00164)	ND (0.00171)	0.00456	ND (0.00168)	ND (0.00164)	ND (0.00162)	ND (0.00167)	ND (0.00178)	0.00854	ND (0.00199)	ND (0.00185)	ND (0.00179)	0.00208 J	ND (0.00161)	0.02	0.0196	0.00456	0.00862
Aldrin	0.19	0.044	0.0048	ND (0.00168)	ND (0.00164)	ND (0.00171)	ND (0.00168)	ND (0.00168)	ND (0.00164)	ND (0.00162)	ND (0.00167)	ND (0.00178)	ND (0.00168)	ND (0.00199)	ND (0.00185)	ND (0.00179)	ND (0.00167)	ND (0.00161)	ND (0.00178)	ND (0.00177)	ND (0.00186)	ND (0.00178)
alpha-BHC	0.02	0.18	0.02	ND (0.000701)	ND (0.000684)	ND (0.000712)	ND (0.000701)	ND (0.000702)	ND (0.000684)	ND (0.000676)	ND (0.000694)	ND (0.000743)	ND (0.000698)	ND (0.000828)	ND (0.00077)	ND (0.000747)	ND (0.000696)	ND (0.000671)	ND (0.000744)	ND (0.000738)	ND (0.000777)	ND (0.000741)
alpha-Chlordane (cis)	4.5	0.65	0.014	ND (0.0021)	ND (0.00205)	ND (0.00213)	0.00267 J	0.00113 J	0.00118 J	ND (0.00203)	ND (0.00208)	ND (0.00223)	0.00342 J	ND (0.00248)	ND (0.00231)	ND (0.00224)	0.00961 J	0.00462 J	0.00471 J	0.00397 J	0.00175 J	0.00318 J
beta-BHC	0.09	0.18	0.021	ND (0.00168)	ND (0.00164)	ND (0.00171)	ND (0.00168)	ND (0.00168)	ND (0.00164)	ND (0.00162)	ND (0.00167)	ND (0.00178)	ND (0.00168)	ND (0.00199)	ND (0.00185)	ND (0.00179)	ND (0.00167)	ND (0.00161)	ND (0.00178)	ND (0.00177)	ND (0.00186)	ND (0.00178)
Chlordane	NA	NA	NA	ND (0.014)	ND (0.0137)	ND (0.0142)	ND (0.014)	ND (0.014)	ND (0.0137)	ND (0.0135)	ND (0.0139)	ND (0.0149)	0.0319	ND (0.0166)	ND (0.0154)	ND (0.0149)	0.0684 J	0.0276 J	ND (0.0149)	0.0376	0.0144 J	ND (0.0148)
delta-BHC	0.1	100	0.04	ND (0.00168)	ND (0.00164)	ND (0.00171)	ND (0.00168)	ND (0.00168)	ND (0.00164)	ND (0.00162)	ND (0.00167)	ND (0.00178)	ND (0.00168)	ND (0.00199)	ND (0.00185)	ND (0.00179)	ND (0.00167)	ND (0.00161)	ND (0.00178)	ND (0.00177)	ND (0.00186)	ND (0.00178)
Dieldrin	0.1	0.075	0.005	ND (0.00105)	ND (0.00102)	ND (0.00107)	0.00148	ND (0.00105)	ND (0.00103)	ND (0.00101)	ND (0.00104)	ND (0.00111)	ND (0.00105)	ND (0.00124)	ND (0.00115)	ND (0.00112)	0.0019 J	0.00508 J	0.0067	ND (0.00111)	ND (0.00116)	ND (0.00111)
Endosulfan I	65	35	4.3	ND (0.00168)	ND (0.00164)	ND (0.00171)	ND (0.00168)	ND (0.00168)	ND (0.00164)	ND (0.00162)	ND (0.00167)	ND (0.00178)	ND (0.00168)	ND (0.00199)	ND (0.00185)	ND (0.00179)	ND (0.00167)	ND (0.00161)	ND (0.00178)	ND (0.00177)	ND (0.00186)	ND (0.00178)
Endosulfan II	44	35	4.3	ND (0.00168)	ND (0.00164)	ND (0.00171)	ND (0.00168)	ND (0.00168)	ND (0.00164)	ND (0.00162)	ND (0.00167)	ND (0.00178)	ND (0.00168)	ND (0.00199)	ND (0.00185)	ND (0.00179)	ND (0.00167)	ND (0.00161)	ND (0.00178)	ND (0.00177)	ND (0.00186)	ND (0.00178)
Endosulfan sulfate	47	35	4.3	ND (0.000701)	ND (0.000684)	ND (0.000712)	ND (0.000701)	ND (0.000702)	ND (0.000684)	ND (0.000676)	ND (0.000694)	ND (0.000743)	ND (0.000698)	ND (0.000828)	ND (0.00077)	ND (0.000747)	ND (0.000696)	ND (0.000671)	ND (0.000744)	ND (0.000738)	ND (0.000777)	ND (0.000741)
Endrin	0.06	5.3	0.014	ND (0.000701)	ND (0.000684)	ND (0.000712)	ND (0.000701)	ND (0.000702)	ND (0.000684)	ND (0.000676)	ND (0.000694)	ND (0.000743)	ND (0.000698)	ND (0.000828)	ND (0.00077)	ND (0.000747)	ND (0.000696)	ND (0.000671)	ND (0.000744)	ND (0.000738)	ND (0.000777)	ND (0.000741)
Endrin aldehyde	NA	NA	NA	ND (0.0021)	ND (0.00205)	ND (0.00213)	ND (0.0021)	ND (0.0021)	ND (0.00205)	ND (0.00203)	ND (0.00208)	ND (0.00223)	ND (0.0021)	ND (0.00248)	ND (0.00231)	ND (0.00224)	ND (0.00209)	ND (0.00201)	ND (0.00223)	ND (0.00221)	ND (0.00233)	ND (0.00222)
Endrin ketone	NA	NA	NA	ND (0.00168)	ND (0.00164)	ND (0.00171)	ND (0.00168)	ND (0.00168)	ND (0.00164)	ND (0.00162)	ND (0.00167)	ND (0.00178)	ND (0.00168)	ND (0.00199)	ND (0.00185)	ND (0.00179)	ND (0.00167)	ND (0.00161)	ND (0.00178)	ND (0.00177)	ND (0.00186)	ND (0.00178)
gamma-BHC (Lindane)	0.05	0.21	0.025	ND (0.000701)	ND (0.000684)	ND (0.000712)	ND (0.000701)	ND (0.000702)	ND (0.000684)	ND (0.000676)	ND (0.000694)	ND (0.000743)	ND (0.000698)	ND (0.000828)	ND (0.00077)	ND (0.000747)	ND (0.000696)	ND (0.000671)	ND (0.000744)	ND (0.000738)	ND (0.000777)	ND (0.000741)
gamma-Chlordane (trans)	NA	NA	NA	ND (0.0021)	ND (0.00205)	ND (0.00213)	0.0025	0.0011 J	0.00146 J	ND (0.00203)	ND (0.00208)	ND (0.00223)	0.00488	ND (0.00248)	ND (0.00231)	ND (0.00224)	0.0115 J	0.00354 J	0.00677	0.00594	0.00167 J	0.00244 J
Heptachlor	0.38	0.53	0.013	ND (0.000842)	ND (0.00082)	ND (0.000854)	ND (0.000842)	ND (0.000842)	ND (0.000821)	ND (0.000811)	ND (0.000833)	ND (0.000892)	ND (0.000838)	ND (0.000994)	ND (0.000924)	ND (0.000896)	0.0011	ND (0.000805)	ND (0.000893)	ND (0.000886)	ND (0.000932)	ND (0.000889)
Heptachlor epoxide	NA	NA	NA	ND (0.00316)	ND (0.00308)	ND (0.0032)	ND (0.00316) J	ND (0.00316)	ND (0.00308)	ND (0.00304)	ND (0.00312)	ND (0.00334)	ND (0.00314)	ND (0.00373)	ND (0.00346)	ND (0.00336)	0.00214 J	0.00119 J	ND (0.00335)	ND (0.00332)	ND (0.0035)	ND (0.00333)
Methoxychlor	NA	NA	NA	ND (0.00316)	ND (0.00308)	ND (0.0032)	ND (0.00316)	ND (0.00316)	ND (0.00308)	ND (0.00304)	ND (0.00312)	ND (0.00334)	ND (0.00314)	ND (0.00373)	ND (0.00346)	ND (0.00336)	ND (0.00313)	ND (0.00302)	ND (0.00335)	ND (0.00332)	ND (0.0035)	ND (0.00333)
Toxaphene	NA	NA	NA	ND (0.0316)	ND (0.0308)	ND (0.032)	ND (0.0316)	ND (0.0316)	ND (0.0308)	ND (0.0304)	ND (0.0312)	ND (0.0334)	ND (0.0314)	ND (0.0373)	ND (0.0346)	ND (0.0336)	ND (0.0313)	ND (0.0302)	ND (0.0335)	ND (0.0332)	ND (0.035)	ND (0.0333)
Polychlorinated Biphenyls (mg/kg)																						
Aroclor-1016 (PCB-1016)	NA	NA	NA	ND (0.0521)	ND (0.0496)	ND (0.0503)	ND (0.0504)	ND (0.0521)	ND (0.0532)	ND (0.0503)	ND (0.0536)	ND (0.0566)	ND (0.0521)	ND (0.0624)	ND (0.0562)	ND (0.0531)	ND (0.0529)	ND (0.0507)	ND (0.0538)	ND (0.0514)	ND (0.0554)	ND (0.0533)
Aroclor-1221 (PCB-1221)	NA	NA	NA	ND (0.0521)	ND (0.0496)	ND (0.0503)	ND (0.0504)	ND (0.0521)	ND (0.0532)	ND (0.0503)	ND (0.0536)	ND (0.0566)	ND (0.0521)	ND (0.0624)	ND (0.0562)	ND (0.0531)	ND (0.0529)	ND (0.0507)	ND (0.0538)	ND (0.0514)	ND (0.0554)	ND (0.0533)
Aroclor-1232 (PCB-1232)	NA	NA	NA	ND (0.0521)	ND (0.0496)	ND (0.0503)	ND (0.0504)	ND (0.0521)	ND (0.0532)	ND (0.0503)	ND (0.0536)	ND (0.0566)	ND (0.0521)	ND (0.0624)	ND (0.0562)	ND (0.0531)	ND (0.0529)	ND (0.0507)	ND (0.0538)	ND (0.0514)	ND (0.0554)	ND (0.0533)
Aroclor-1242 (PCB-1242)	NA	NA	NA	0.016 J	ND (0.0496)	ND (0.0503)	ND (0.0504)	ND (0.0521)	ND (0.0532)	ND (0.0503)	ND (0.0536)	ND (0.0566)	ND (0.0521)	ND (0.0624)	ND (0.0562)	ND (0.0531)	ND (0.0529)	ND (0.0507)	ND (0.0538)	ND (0.0514)	ND (0.0554)	ND (0.0533)
Aroclor-1248 (PCB-1248)	NA	NA	NA	ND (0.0521)	ND (0.0496)	ND (0.0503)	ND (0.0504)	ND (0.0521)	ND (0.0532)	ND (0.0503)	ND (0.0536)	ND (0.0566)	0.0498 J	ND (0.0624)	ND (0.0562)	ND (0.0531)	ND (0.0529)	0.0206 J	ND (0.0538)	ND (0.0514)	ND (0.0554)	ND (0.0533)
Aroclor-1254 (PCB-1254)	NA	NA	NA	0.0123 J	ND (0.0496)	ND (0.0503)	ND (0.0504)	ND (0.0521)	0.0449 J	ND (0.0503)	ND (0.0536)	0.0102 J	0.0501 J	ND (0.0624)	ND (0.0562)	ND (0.0531)	ND (0.0529)	0.0194 J	0.0444 J	0.0585	ND (0.0554)	0.0262 J
Aroclor-1260 (PCB-1260)	NA	NA	NA	ND (0.0521)	ND (0.0496)	ND (0.0503)	ND (0.0504)	0.00967 J	ND (0.0532)	ND (0.0503)	ND (0.0536)	ND (0.0566)	ND (0.0521)	ND (0.0624)	ND (0.0562)	ND (0.0531)	ND (0.0529)	ND (0.0507)	0.0343 J	0.0389 J	ND (0.0554)	0.0732
Aroclor-1262 (PCB-1262)	NA	NA	NA	ND (0.0521)	ND (0.0496)	ND (0.0503)	ND (0.0504)	ND (0.0521)	ND (0.0532)	ND (0.0503)	ND (0.0536)	ND (0.0566)	ND (0.0521)	ND (0.0624)	ND (0.0562)	ND (0.0531)	ND (0.0529)	ND (0.0507)	ND (0.0538)	ND (0.0514)	ND (0.0554)	ND (0.0533)
Aroclor-1268 (PCB-1268)	NA	NA	NA	ND (0.0521)	ND (0.0496)	ND (0.0503)	ND (0.0504)	ND (0.0521)	ND (0.0532)	ND (0.0503)	ND (0.0536)	ND (0.0566)	0.586	ND (0.0624)	ND (0.0562)	ND (0.0531)	0.152 J	ND (0.0507) J	0.00778 J	0.00766 J	ND (0.0554)	0.151
Polychlorinated biphenyls (PCBs)	3.2	1	0.1	0.0283 J	ND (0.0496)	ND (0.0503)	ND (0.0504)	0.00967 J	0.0449 J	ND (0.0503)	ND (0.0536)	0.0102 J	0.686 J	ND (0.0624)	ND (0.0562)	ND (0.0531)	0.152 J	0.04 J	0.0865 J	0.105 J	ND (0.0554)	0.25 J

TABLE III
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

Location Name	Criteria			RI-SB-01	RI-SB-01	RI-SB-01	RI-SB-02	RI-SB-02	RI-SB-02	RI-SB-03	RI-SB-03	RI-SB-03	RI-SB-04	RI-SB-04	RI-SB-04	RI-SB-04	RI-SB-05	RI-SB-05	RI-SB-05	RI-SB-05	RI-SB-06	RI-SB-06
Sample Name	Restricted Use Soil Cleanup Objectives - Protection of Groundwater 2025	NY Part 375 Restricted Residential Use Soil Cleanup Objectives 2025	NY Part 375 Unrestricted Use Soil Cleanup Objectives 2025	RI-SB-01_0-2	RI-SB-01_2-4	RI-SB-01_10-12	RI-SB-02_0-2	RI-SB-02_7-9	RI-SB-02_13-15	RI-SB-03_0-2	RI-SB-03_3-5	RI-SB-03_10-12	RI-SB-04_0-2	RI-SB-04_10-12	DUP-02_20260204	RI-SB-04_18-20	RI-SB-05_0-2	DUP-04_20260206	RI-SB-05_7-9	RI-SB-05_13-15	RI-SB-06_0-2	RI-SB-06_10-12
Sample Date				02/03/2026	02/03/2026	02/03/2026	02/06/2026	02/06/2026	02/06/2026	02/03/2026	02/03/2026	02/03/2026	02/04/2026	02/04/2026	02/04/2026	02/04/2026	02/06/2026	02/06/2026	02/06/2026	02/06/2026	02/13/2026	02/13/2026
Lab Sample ID				L2605921-01	L2605921-02	L2605921-03	L2606929-09	L2606929-10	L2606929-11	L2605921-07	L2605921-08	L2605921-09	L2606227-11	L2606227-12	L2606227-13	L2606227-14	L2606929-05	L2606929-06	L2606929-07	L2606929-08	L2608265-05	L2608265-06
Sample Depth (bgs)				0 - 2 (ft)	2 - 4 (ft)	10 - 12 (ft)	0 - 2 (ft)	7 - 9 (ft)	13 - 15 (ft)	0 - 2 (ft)	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	10 - 12 (ft)	18 - 20 (ft)	0 - 2 (ft)	0 - 2 (ft)	7 - 9 (ft)	13 - 15 (ft)	2 - 2 (ft)	10 - 12 (ft)
Inorganic Compounds (mg/kg)																						
Aluminum	NA	NA	NA	6290	7720	4290	3110	5750	5770	9180	6020	2620	8610	9190	7990	10500	3920	5410	8140	6230	7410	7540
Antimony	NA	NA	NA	ND (4.3) J	ND (4.21) J	ND (4.21) J	ND (4.07) J	ND (4.26) J	ND (4.25) J	ND (4.03) J	ND (4.23) J	ND (9.14) J	ND (4.23) J	ND (5.18) J	ND (4.51) J	ND (4.31) J	ND (4.1) J	ND (4.02) J	ND (4.34) J	ND (4.22) J	ND (4.72) J	ND (4.31) J
Arsenic	16	16	13	15.7	4.24	1.12	1.14	3.54	2.13	5.39	2.06	0.967 J	4.11 J-	11 J-	8.61 J-	0.614 J-	4.4	5.6	13	6.47	2.23	2.58
Barium	820	410	410	64.3	51.6	21.3	25.3	196	51.4	92.7	28.8	16.5	73.8	86	61.8	49	34.4	45.4	237	123	60.2 J+	77.2 J+
Beryllium	47	43	4.4	0.243 J	0.329 J	0.233 J	0.083 J	0.217 J	0.116 J	0.392 J	0.336 J	0.188 J	0.346 J	0.488 J	0.398 J	0.36 J	0.131 J	0.161 J	0.562	0.395 J	0.316 J	0.319 J
Cadmium	7.5	2.5	2.5	ND (0.86)	ND (0.842)	ND (0.843)	ND (0.814) J	0.22 J-	ND (0.85) J	ND (0.806)	0.058 J	ND (1.83)	0.234 J	3.99 J	1.58 J	ND (0.862)	ND (0.82) J	ND (0.805) J	0.312 J-	ND (0.844) J	0.198 J+	0.171 J+
Calcium	NA	NA	NA	25200	2550	2310	12700	12900	21700	11800	761	110000	9770 J+	2930 J+	26000 J+	3660 J+	44300	46200	13800	49800	2220 J	15200 J
Chromium	NA	NA	NA	20.8	12.2	12.9	8.47 J+	13.3 J+	11.8 J+	15.4	16.1	6.07	43.8	25.1	22.3	25.6	10.8 J+	13.5 J+	18.6 J+	10.2 J+	16.1	19.7
Chromium VI (Hexavalent)	19	1	1	ND (0.879)	0.18 J	ND (0.866)	ND (0.857)	ND (0.892)	ND (0.873)	ND (0.853)	0.187 J	ND (0.94)	ND (0.885)	ND (1.05)	ND (0.933)	ND (0.911)	ND (0.861)	ND (0.85)	ND (0.897)	ND (0.897)	0.954 R	0.912 R
Cobalt	NA	NA	NA	6.71	8.02	5.78	3.87	4.27	4.94	8.24	5.96	3.64 J	7.16	10 J	7.09 J	6.21	2.33	3.6	6	4.63	6.46 J	6.27 J
Copper	1720	280	50	160	31	15.3	14.4 J+	38.5 J+	26 J+	23.7	14	8.98	41.9 J+	126 J+	94.2 J+	17.5 J+	14.1 J+	24.6 J+	42.2 J+	43.8 J+	26.4	33.9
Iron	NA	NA	NA	19700	15500	10200	7250	10200	9400	16300	11800	6080	18800	45600 J	22900 J	11300	5340	8160	13600	7620	13200	14200
Lead	450	400	63	149 J-	38.2 J-	3.99 J-	6.91	139	58.6	82.1 J-	5.33 J-	2.76 J-	100 J+	152 J+	108 J+	11.1 J+	32.8 J	94.3 J	302	86.1	60.6 J+	79.2 J+
Magnesium	NA	NA	NA	4410	3390	4120	7100	4230	9550	6860	2830	61600	6690 J+	2580 J+	16600 J+	5680 J+	11100	7190	2480	2110	3790 J	7470 J
Manganese	2000	2000	1600	314	598	368	127 J+	193 J+	141 J+	630	68.8	234	343	813	556	124	102 J+	154 J+	264 J+	133 J+	285 J	292 J
Mercury	0.73	0.3	0.18	0.072 J	0.094	ND (0.076)	ND (0.081)	0.175	0.084 J	0.186	ND (0.074)	ND (0.081)	0.094	0.128	0.166	ND (0.081)	ND (0.089)	0.139	0.26	0.084 J	0.08	0.096
Nickel	130	320	30	18.3	11.1	12	7.22 J	10.7 J	10.4 J	12.4	9.51	6.1	18.6	57.9	37.4	14.8	7.85 J	10.8 J	13.4 J	11.8 J	14 J+	15.2 J+
Potassium	NA	NA	NA	1190	1390	666	1160 J+	878 J+	1730 J+	1160	1280	726	1400	680	611	1180	406 J+	574 J+	1040 J+	933 J+	1670 J-	1960 J-
Selenium	4	110	3.9	ND (1.72)	ND (1.68)	ND (1.68)	ND (1.63)	ND (1.7)	ND (1.7)	ND (1.61)	ND (1.69)	ND (3.66)	ND (1.69)	ND (2.07)	ND (1.8)	ND (1.72)	ND (1.64)	ND (1.61)	0.551 J	ND (1.69)	ND (1.89)	ND (1.72)
Silver	8.3	110	2	ND (0.43)	ND (0.421)	ND (0.421)	ND (0.407)	ND (0.426)	ND (0.425)	ND (0.403)	ND (0.423)	ND (0.914)	ND (0.423)	0.485 J	0.386 J	ND (0.431)	ND (0.41)	ND (0.402)	ND (0.434)	ND (0.422)	ND (0.472)	0.595 J+
Sodium	NA	NA	NA	99.4 J	128 J	ND (168)	ND (163)	107 J	137 J	108 J	ND (169)	ND (366)	ND (169)	ND (207)	ND (180)	ND (172)	88.1 J	156 J	184	246	ND (189)	147 J
Thallium	NA	NA	NA	ND (1.72)	ND (1.68)	ND (1.68)	ND (1.63)	ND (1.7)	ND (1.7)	ND (1.61)	ND (1.69)	ND (3.66)	ND (1.69)	ND (2.07)	ND (1.8)	ND (1.72)	ND (1.64)	ND (1.61)	ND (1.74)	ND (1.69)	ND (1.89)	ND (1.72)
Vanadium	NA	NA	NA	21.5	17.5	16.3	10.3 J-	16.9 J-	17.1 J-	21.6	20.6	7.8	27.4	25.7	21.4	25.9	10.5 J-	15.2 J-	27.1 J-	20.6 J-	22.6	24.2
Zinc	2480	6600	109	129 J-	39.9 J-	26.3 J-	47.7 J	154 J	49.2 J	61.2 J-	31.4 J-	17.3 J-	139	430	318	41.5	39.1 J	49.4 J	188 J	122 J	91.5	98
TCLP Inorganic Compounds (mg/L)																						
Lead	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other																						
Total Solids (%)	NA	NA	NA	91	94.2	92.4	93.3	89.7	91.6	93.8	90.7	85.1	90.4	76.3	85.7	87.8	92.9	94.1	89.2	89.2	83.9	87.7
Cyanide (mg/kg)	40	13	2.3	ND (1.1) J	ND (0.98) J	ND (1) J	ND (1)	ND (1)	ND (1.1)	ND (1) J	ND (1.1) J	ND (1.1) J	ND (1) J	ND (1.3) J	ND (1.1) J	ND (1) J	ND (1)	ND (0.98)	ND (1)	ND (1.1)	ND (1.1)	0.45 J

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram
mg/L: milligram per liter
-: Not Analyzed
B: Compound was found in the blank and the associated sample.
bgs: below ground surface
F: Results are considered to be an estimated maximum concentration
ft: feet
I: The lower value for the two columns has been reported due to obvious interference.
J-: Value is estimated, low bias.
J: Value is estimated.
J+: Value is estimated, high bias.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
P: The RPD between the results for the two columns exceeds the method-specified criteria.
R: Rejected

- 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.
- ***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 Use Residential Soil Cleanup Objectives.

TABLE III
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																					
Location Name	Restricted Use Soil Cleanup Objectives - Protection of Groundwater 2025	NY Part 375 Restricted Residential Use Soil Cleanup Objectives 2025	NY Part 375 Unrestricted Use Soil Cleanup Objectives 2025	RI-SB-06	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-08	RI-SB-08	RI-SB-08	RI-SB-09	RI-SB-09	RI-SB-09	RI-SB-09	RI-SB-10	RI-SB-10	RI-SB-10	RI-SB-11	RI-SB-11
Sample Name				RI-SB-06_20-22	RI-SB-07_0-2	RI-SB-07_10-12	RI-SB-07_20-22	RI-SB-07_23-25	RI-SB-07_25-27	RI-SB-07_27-29	RI-SB-08_0-2	RI-SB-08_3-5	RI-SB-08_10-12	RI-SB-09_0-2	RI-SB-09_10-12	RI-SB-09_20-22	RI-SB-09_22-24	RI-SB-10_0-2	RI-SB-10_2-4	RI-SB-10_10-12	RI-SB-11_0-2	RI-SB-11_8-10
Sample Date				02/13/2026	02/05/2026	02/05/2026	02/13/2026	02/13/2026	03/16/2026	03/16/2026	02/04/2026	02/04/2026	02/04/2026	02/05/2026	02/05/2026	02/13/2026	03/16/2026	02/04/2026	02/04/2026	02/04/2026	02/05/2026	02/05/2026
Lab Sample ID				L2608265-07	L2606574-01	L2606574-02	L2608265-02	L2608265-03	L2614269-09	L2614269-10	L2606227-01	L2606227-02	L2606227-03	L2606574-04	L2606574-05	L2608265-04	L2614269-03	L2606227-08	L2606227-09	L2606227-10	L2606574-10	L2606574-11
Sample Depth (bgs)				20 - 22 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	23 - 25 (ft)	25 - 27 (ft)	27 - 29 (ft)	0 - 2 (ft)	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 2 (ft)	2 - 4 (ft)	10 - 12 (ft)	0 - 2 (ft)	8 - 10 (ft)
Volatile Organic Compounds (mg/kg)																						
1,1,1,2-Tetrachloroethane	NA	NA	NA	ND (0.00058)	ND (0.00098)	ND (0.0006)	ND (0.027)	ND (0.00054)	ND (0.00043)	ND (0.00046)	ND (0.00098)	ND (0.0004) J	ND (0.00053)	ND (0.00055)	ND (0.00047)	ND (0.00057)	ND (0.00057)	ND (0.00059)	ND (0.00067)	ND (0.00063)	ND (0.00094)	ND (0.00061)
1,1,1-Trichloroethane	0.68	100	0.68	ND (0.00058)	ND (0.00098)	ND (0.0006)	ND (0.027)	0.00035 J	ND (0.00043)	0.00037 J	ND (0.00098)	ND (0.0004) J	ND (0.00053)	ND (0.00055)	ND (0.00047)	0.0034	ND (0.00057)	ND (0.00059)	ND (0.00067)	ND (0.00063)	ND (0.00094)	ND (0.00061)
1,1,2,2-Tetrachloroethane	NA	NA	NA	ND (0.00058)	ND (0.00098)	ND (0.0006)	ND (0.027)	ND (0.00054)	ND (0.00043)	ND (0.00046)	ND (0.00098)	ND (0.0004) J	ND (0.00053)	ND (0.00055)	ND (0.00047)	ND (0.00057)	ND (0.00057)	ND (0.00059)	ND (0.00067)	ND (0.00063)	ND (0.00094) J	ND (0.00061)
1,1,2-Trichloroethane	NA	NA	NA	ND (0.0012)	ND (0.002)	ND (0.0012)	ND (0.054)	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019)	ND (0.0012)
1,1-Dichloroethane	0.27	47	0.27	ND (0.0012)	ND (0.002)	0.00018 J	0.088	0.00074 J	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	0.0039	0.00099 J	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019)	ND (0.0012)
1,1-Dichloroethene	0.33	0.98	0.24	ND (0.0012)	ND (0.002)	ND (0.0012)	ND (0.054)	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019)	ND (0.0012)
1,1-Dichloropropene	NA	NA	NA	ND (0.00058)	ND (0.00098)	ND (0.0006)	ND (0.027)	ND (0.00054)	ND (0.00043)	ND (0.00046)	ND (0.00098)	ND (0.0004) J	ND (0.00053)	ND (0.00055)	ND (0.00047)	ND (0.00057)	ND (0.00057)	ND (0.00059)	ND (0.00067)	ND (0.00063)	ND (0.00094)	ND (0.00061)
1,2,3-Trichlorobenzene	NA	NA	NA	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	0.0016 R	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J	ND (0.0024)
1,2,3-Trichloropropane	NA	NA	NA	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037)	ND (0.0024)
1,2,4,5-Tetramethylbenzene	NA	NA	NA	ND (0.0023)	0.0019 J	0.00037 J	0.092 J	ND (0.0022)	ND (0.0017) J	ND (0.0018) J	ND (0.0039)	0.0016 R	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023) J	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J	ND (0.0024)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	0.0016 R	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J	ND (0.0024)
1,2,4-Trimethylbenzene	5.9	100	5.9	ND (0.0023)	ND (0.0039)	0.00064 J	1.3	0.0004 J	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J	ND (0.0024)
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	ND (0.0035)	ND (0.0059)	ND (0.0036)	ND (0.16)	ND (0.0032)	ND (0.0026)	ND (0.0027)	ND (0.0058)	ND (0.0024) J	ND (0.0032)	ND (0.0033)	ND (0.0028)	ND (0.0034)	ND (0.0034)	ND (0.0036)	ND (0.004)	ND (0.0038)	ND (0.0056) J	ND (0.0037)
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	ND (0.0012)	ND (0.002)	ND (0.0012)	ND (0.054)	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019) J	ND (0.0012)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	0.00021 J	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J	ND (0.0024)
1,2-Dichloroethane	0.02	5.8	0.02	ND (0.0012)	ND (0.002)	ND (0.0012)	ND (0.054)	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019)	ND (0.0012)
1,2-Dichloroethene (total)	NA	NA	NA	ND (0.0012)	0.00035 J	0.011 J	0.014 J	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008)	ND (0.0011)	ND (0.0011)	ND (0.00093)	0.00024 J	0.00039 J	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019)	ND (0.0012)
1,2-Dichloropropane	NA	NA	NA	ND (0.0012)	ND (0.002)	ND (0.0012)	ND (0.054)	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019)	ND (0.0012)
1,3,5-Trimethylbenzene	3.1	100	3.1	ND (0.0023)	ND (0.0039)	ND (0.0024)	0.29	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J	ND (0.0024)
1,3-Dichlorobenzene	2.6	38	2.6	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J	ND (0.0024)
1,3-Dichloropropane	NA	NA	NA	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037)	ND (0.0024)
1,3-Dichloropropene	NA	NA	NA	ND (0.00058)	ND (0.00098)	ND (0.0006)	ND (0.027)	ND (0.00054)	ND (0.00043)	ND (0.00046)	ND (0.00098)	ND (0.0004)	ND (0.00053)	ND (0.00055)	ND (0.00047)	ND (0.00057)	ND (0.00057)	ND (0.00059)	ND (0.00067)	ND (0.00063)	ND (0.00094)	ND (0.00061)
1,4-Dichlorobenzene	1.8	24	1.8	ND (0.0023)	ND (0.0039)	ND (0.0024)	0.45	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J	ND (0.0024)
1,4-Diethylbenzene	NA	NA	NA	ND (0.0023)	0.00039 J	0.00022 J	0.29	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J	ND (0.0024)
1,4-Dioxane	0.1	5.7	0.1	ND (0.092)	ND (0.16)	ND (0.096)	ND (4.3)	ND (0.086)	ND (0.069)	ND (0.073)	ND (0.16)	ND (0.064)	ND (0.085)	ND (0.087)	ND (0.075)	ND (0.091)	ND (0.091)	ND (0.095)	ND (0.11)	ND (0.1)	ND (0.15)	ND (0.098)
2,2-Dichloropropane	NA	NA	NA	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037)	ND (0.0024)
2-Butanone (Methyl Ethyl Ketone)	0.1	100	0.1	ND (0.012)	ND (0.02)	ND (0.012)	ND (0.54)	ND (0.011)	ND (0.0087)	ND (0.0092)	ND (0.02)	ND (0.008) J	ND (0.011)	ND (0.011)	ND (0.0093)	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.019) J	ND (0.012)
2-Chlorotoluene	NA	NA	NA	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J	ND (0.0024)
2-Hexanone (Methyl Butyl Ketone)	NA	NA	NA	ND (0.012)	ND (0.02)	ND (0.012)	ND (0.54)	ND (0.011)	ND (0.0087)	ND (0.0092)	ND (0.02) J	ND (0.008) J	ND (0.011) J	ND (0.011)	ND (0.0093)	ND (0.011)	ND (0.011)	ND (0.012) J	ND (0.013) J	ND (0.012) J	ND (0.019) J	ND (0.012)
2-Phenylbutane (sec-Butylbenzene)	25	100	25	ND (0.0012)	ND (0.002)	ND (0.0012)	0.088	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019) J	ND (0.0012)
4-Chlorotoluene	NA	NA	NA	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J	ND (0.0024)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	NA	ND (0.0023)	ND (0.0039)	0.00067 J	1.5	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J	ND (0.0024)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	ND (0.012)	ND (0.02)	ND (0.012)	ND (0.54)	ND (0.011)	ND (0.0087)	ND (0.0092)	ND (0.02)	ND (0.008) J	ND (0.011)	ND (0.011)	ND (0.0093)	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.019)	ND (0.012)
Acetone	0.03	100	0.03	ND (0.012)	ND (0.02)	ND (0.012)	ND (0.54)	ND (0.011)	ND (0.0087)	ND (0.0092)	ND (0.02)	ND (0.008) J	0.0081 J	ND (0.011)	ND (0.0093)	ND (0.037)	ND (0.011)	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.019)	ND (0.012)
Acrylonitrile	NA	NA	NA	ND (0.0046)	ND (0.0078)	ND (0.0048)	ND (0.22)	ND (0.0043)	ND (0.0035)	ND (0.0037)	ND (0.0078)	ND (0.0032) J	ND (0.0042)	ND (0.0044)	ND (0.0037)	ND (0.0046)	ND (0.0045)	ND (0.0047)	ND (0.0054)	ND (0.005)	ND (0.0075) J	ND (0.0049)
Benzene	0.06	3.7	0.06	ND (0.00058)	ND (0.00098)	ND (0.0006)	0.024 J	ND (0.00054)	ND (0.00043)	ND (0.00046)	ND (0.00098)	ND (0.0004) J	ND (0.00053)	ND (0.00055)	0.00027 J	0.0002 J	ND (0.00057)	0.0005 J	ND (0.00067)	ND (0.00063)	ND (0.00094)	ND (0.00061)
Bromobenzene	NA	NA	NA	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J	ND (0.0024)
Bromodichloromethane	NA	NA	NA	ND (0.00058)	ND (0.00098)	ND (0.0006)	ND (0.027)	ND (0.00054)	ND (0.00043)	ND (0.00046)	ND (0.00098)	ND (0.0004) J	ND (0.00053)	ND (0.00055)	ND (0.00047)	ND (0.00057)	ND (0.00057)	ND (0.00059)	ND (0.00067)	ND (0.00063)	ND (0.00094)	ND (0.00061)
Bromoform	NA	NA	NA	ND (0.0046)	ND (0.0078)	ND (0.0048)	ND (0.22)	ND (0.0043)	ND (0.0035)	ND (0.0037)	ND (0.0078)	ND (0.0032) J	ND (0.0042)	ND (0.0044)	ND (0.0037)	ND (0.0046)	ND (0.0045)	ND (0.0047)	ND (0.0054)	ND (0.005)	ND (0.0075)	ND (0.0049)
Bromomethane (Methyl Bromide)	NA	NA	NA	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037)	ND (0.0024)
Carbon disulfide	NA	NA	NA	ND (0.012)	ND (0.02)	ND (0.012)	ND (0.54)	ND (0.011)	ND (0.0087)	ND (0.0092)	ND (0.02)	ND (0.008) J	ND (0.011)	ND (0.011)	ND (0.0093)	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.019)	ND (0.012)
Carbon tetrachloride	0.76	7.1	0.76	ND (0.0012)	ND (0.002)	ND (0.0012)	ND (0.054)	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019)	ND (0.0012)
Chlorobenzene	4.5	100	4.5	ND (0.00058)	ND (0.00098)	ND (0.0006)	ND (0.027)	ND (0.00054)	ND (0.00043)	ND (0.00046)	ND (0.00098)	ND (0.0004) J	ND (0.00053)	ND (0.00055)	ND (0.00047)	ND (0.00057)	ND (0.00057)	ND (0.00059)	ND (0.00067)	ND (0.00063)	ND (0.00094) J	ND (0.00061)
Chlorobromomethane	NA	NA	NA	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037)	ND (0.0024)
Chloroethane	NA	NA	NA	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037)	ND (0.0024)
Chloroform (Trichloromethane)	0.37	24	0.37	ND (0.0017)	ND (0.0029)	ND (0.0018)	ND (0.081)	ND (0.0016)	ND (0.0013)	ND (0.0014)	ND (0.0029)	ND (0.0012) J	ND (0.0016)	ND (0.0016)	ND (0.0014)	ND (0.0017)	ND (0.0017)	ND (0.0018)	ND (0.002)	ND (0.0019)	ND (0.0028)	ND (0.0018)
Chloromethane (Methyl Chloride)	NA	NA	NA	ND (0.0046)	ND (0.0078)	ND (0.0048)	ND (0.22)	ND (0.0043)	ND (0.0035)	ND (0.0037)	ND (0.0078)	ND (0.0032) J	ND (0.0042)	ND (0.0044)	ND (0.0037)	ND (0.0046)	ND (0.0045)	ND (0.0047)	ND (0.0054)	ND (0.005)	ND (0.0075)	ND (0.0049)
cis-1,2-Dichloroethene	0.19	41	0.19	ND (0.0012)	ND (0.002)	0.01	0.014 J	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	0.00024 J	0.00039 J	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019)	ND (0.0012)
cis-1,3-Dichloropropene	NA	NA	NA	ND (0.00058)	ND (0.00098)	ND (0.0006)	ND (0.027)	ND (0.00054)	ND (0.00043)	ND (0.00046)	ND (0.00098)	ND (0.0004) J	ND (0.00053)	ND (0.00055)	ND (0.00047)	ND (0.00057)	ND (0.00057)	ND (0.00059)	ND (0.00067)	ND (0.00063)	ND (0.00094) J	ND (0.00061)
Cymene (p-Isopropyltoluene)	NA	NA	NA	ND (0.0012)	ND (0.002)	ND (0.0012)	0.067	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	0.0011	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019) J	ND (0.0012)
Dibromochloromethane	NA	NA	NA	ND (0.0012)	ND (0.002)	ND (0.0012)	ND (0.054)	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019)	ND (0.0012)
Dibromomethane	NA	NA	NA	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J	ND (0.0024)
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	ND (0.012)	ND (0.02)	ND (0.012)	ND (0.54)	ND (0.011)	ND (0.0087)	ND (0.0092)	ND (0.02)	ND (0.008)	ND (0.011)	ND (0.011)	ND (0.0093)	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.019)	ND (0.012)
Ethyl Ether	NA	NA	NA	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037)	ND (0.0024)
Ethylbenzene	1	76	1	ND (0.0012)	ND (0.002)	ND (0.0012)	0.023 J	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019) J	ND (0.0012)
Hexachlorobutadiene	NA	NA	NA	ND (0.0046)	ND (0.0078)	ND (0.0048)	ND (0.22)	ND (0.0043)	ND (0.0035)	ND (0.0037)	ND (0.0078)	0.0032 R	ND (0.0042)	ND (0.0044)	ND (0.0037)	ND (0.0046)	ND (0.0045)	ND (0.0047)	ND (0.0054)	ND (0.005)	ND (0.0075) J	ND (0.0049)
Isopropylbenzene (Cumene)	NA	NA	NA	ND (0.0012)	0.00027 J	ND (0.0012)	0.31	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019)	ND (0.0012)
m,p-Xylenes	NA	NA	NA	ND (0.0023)	ND (0.0039)	ND (0.0024)	0.13	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J	ND (0.0024)
Methyl Tert Butyl Ether (MTBE)	0.1	100	0.1	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037)	ND (0.0024)
Methylene chloride (Dichloromethane)	0.05	81	0.05	ND (0.0058)	ND (0.0098)	ND (0.006)	ND (0.27)	ND (0.0054)	ND (0.0043)	ND (0.0046)	ND (0.0098)	ND (0.004) J	ND (0.0053)	ND (0.0055)	ND (0.0047)	ND (0.0057)	ND (0.0057)	ND (0.0059)	ND (0.0067)	ND (0.0063)	ND (0.0094)	ND (0.0061)
Naphthalene	12	100	12	ND (0.0046)	0.0028 J	0.0016 J	ND (0.22)	ND (0.0043)	ND (0.0035)	ND (0.0037)	ND (0.0078)	0.0032 R	ND (0.0042)	0.00074 J	ND (0.0037)	ND (0.0046)	ND (0.0045)	ND (0.0047)	ND (0.0054)	ND (0.005)	ND (0.0075) J	ND (0.0049)
n-Butylbenzene	18	100	18	ND (0.0012)	0.00058 J	ND (0.0012)	0.085	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019) J	ND (0.0012)
n-Propylbenzene	5	100	5	ND (0.0012)	0.0012 J	0.00037 J	0.91	0.00019 J	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019) J	ND (0.0012)
o-Xylene	NA	NA	NA	ND (0.0012)	ND (0.002)	ND (0.0012)	0.043 J	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019) J	ND (0.0012)
Styrene	NA	NA	NA	ND (0.0012)	ND (0.002)	ND (0.0012)	ND (0.054)	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019) J	ND (0.0012)
tert-Butylbenzene	11	100	11	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J	ND (0.0024)
Tetrachloroethene	1.3	18	1.3	ND (0.00058)	ND (0.00098)	ND (0.0006)	ND (0.027)	0.00026 J	ND (0.00043)	ND (0.00046)	ND (0.00098)	ND (0.0004) J	ND (0.00053)	ND (0.00055)	0.00021 J	0.00028 J	ND (0.00057)	ND (0.00059)	ND (0.00067)	ND (0.00063)	ND (0.00094)	0.0003 J
Toluene	0.7	100	0.7	ND (0.0012)	ND (0.002)	ND (0.0012)	0.051 J	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	0.00077 J	ND (0.0013)	ND (0.0012)	ND (0.0019)	ND (0.0012)
trans-1,2-Dichloroethene	0.19	100	0.19	ND (0.0017)	0.00035 J	0.00085 J	ND (0.081)	ND (0.0016)	ND (0.0013)	ND (0.0014)	ND (0.0029)	ND (0.0012) J	ND (0.0016)	ND (0.0016)	ND (0.0014)	ND (0.0017)	ND (0.0017)	ND (0.0018)	ND (0.002)	ND (0.0019)	ND (0.0028)	ND (0.0018)
trans-1,3-Dichloropropene	NA	NA	NA	ND (0.0012)	ND (0.002)	ND (0.0012)	ND (0.054)	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019) J	ND (0.0012)
trans-1,4-Dichloro-2-butene	NA	NA	NA	ND (0.0058)	ND (0.0098)	ND (0.006)	0.12 J	ND (0.0054)	ND (0.0043)	ND (0.0046)	ND (0.0098)	ND (0.004) J	ND (0.0053)	ND (0.0055)	ND (0.0047)	ND (0.0057)	ND (0.0057)	ND (0.0059)	ND (0.0067)	ND (0.0063)	ND (0.0094) J	ND (0.0061)
Trichloroethene	0.47	6.4	0.47	ND (0.00058)	ND (0.00098)	0.012	ND (0.027)	0.00045 J	0.00029 J	0.00054	ND (0.00098)	ND (0.0004) J	0.00022 J	ND (0.00055)	ND (0.00047)	0.0038	0.0036	ND (0.00059)	ND (0.00067)	ND (0.00063)	ND (0.00094)	ND (0.00061)
Trichlorofluoromethane (CFC-11)	NA	NA	NA	ND (0.0046)	ND (0.0078)	ND (0.0048)	ND (0.22)	ND (0.0043)	ND (0.0035)	ND (0.0037)	ND (0.0078)	ND (0.0032) J	ND (0.0042)	ND (0.0044)	ND (0.0037)	ND (0.0046)	ND (0.0045)	ND (0.0047)	ND (0.0054)	ND (0.005)	ND (0.0075)	ND (0.0049)
Vinyl acetate	NA	NA	NA	ND (0.012)	ND (0.02)	ND (0.012)	ND (0.54) J	ND (0.011) J	ND (0.0087)	ND (0.0092)	ND (0.02) J	ND (0.008) J	ND (0.011) J	ND (0.011)	ND (0.0093)	ND (0.011) J	ND (0.011)	ND (0.012) J	ND (0.013) J	ND (0.012) J	0.019 R	ND (0.012)
Vinyl chloride	0.03	0.48	0.03	ND (0.0012)	ND (0.002)	0.0021	ND (0.054)	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019)	ND (0.0012)
Xylene (Total)	1.2	100	0.26	ND (0.0012)	ND (0.002)	ND (0.0012)	0.17 J	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008)	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019)	ND (0.0012)

TABLE III
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

Location Name	Criteria			RI-SB-06	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-08	RI-SB-08	RI-SB-08	RI-SB-09	RI-SB-09	RI-SB-09	RI-SB-09	RI-SB-10	RI-SB-10	RI-SB-10	RI-SB-11	RI-SB-11
Sample Name	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	RI-SB-06_20-22	RI-SB-07_0-2	RI-SB-07_10-12	RI-SB-07_20-22	RI-SB-07_23-25	RI-SB-07_25-27	RI-SB-07_27-29	RI-SB-08_0-2	RI-SB-08_3-5	RI-SB-08_10-12	RI-SB-09_0-2	RI-SB-09_10-12	RI-SB-09_20-22	RI-SB-09_22-24	RI-SB-10_0-2	RI-SB-10_2-4	RI-SB-10_10-12	RI-SB-11_0-2	RI-SB-11_8-10
Sample Date				02/13/2026	02/05/2026	02/05/2026	02/13/2026	02/13/2026	03/16/2026	03/16/2026	02/04/2026	02/04/2026	02/04/2026	02/05/2026	02/05/2026	02/13/2026	03/16/2026	02/04/2026	02/04/2026	02/04/2026	02/05/2026	02/05/2026
Lab Sample ID				L2608265-07	L2606574-01	L2606574-02	L2608265-02	L2608265-03	L2614269-09	L2614269-10	L2606227-01	L2606227-02	L2606227-03	L2606574-04	L2606574-05	L2608265-04	L2614269-03	L2606227-08	L2606227-09	L2606227-10	L2606574-10	L2606574-11
Sample Depth (bgs)	2025	2025	2025	20 - 22 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	23 - 25 (ft)	25 - 27 (ft)	27 - 29 (ft)	0 - 2 (ft)	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 2 (ft)	2 - 4 (ft)	10 - 12 (ft)	0 - 2 (ft)	8 - 10 (ft)
Semi-Volatile Organic Compounds (mg/kg)																						
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	0.033 J+	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	0.027 J+	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	0.04 J	0.092 J+	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
1,3-Dichlorobenzene	2.6	38	2.6	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
1,4-Dichlorobenzene	1.8	24	1.8	ND (0.17)	ND (0.18)	ND (1.9)	0.17 J	0.67	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
1,4-Dioxane	0.1	5.7	0.1	ND (0.026)	ND (0.027)	ND (0.28)	ND (0.14)	ND (0.029)	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.026)	ND (0.027)	ND (0.028)	ND (0.027)	ND (0.028)	ND (0.029)	ND (0.027)	ND (0.027)	ND (0.028)
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	ND (0.21)	ND (0.21)	ND (2.2)	ND (1.1)	ND (0.23)	ND (0.23)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.21)	ND (0.21)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.23)	ND (0.22)	ND (0.22)	ND (0.22)
2,4,5-Trichlorophenol	NA	NA	NA	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
2,4,6-Trichlorophenol	NA	NA	NA	ND (0.1)	ND (0.11)	ND (1.1)	ND (0.56)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)
2,4-Dichlorophenol	NA	NA	NA	ND (0.16)	ND (0.16)	ND (1.7)	ND (0.84)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.16)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	ND (0.17)
2,4-Dimethylphenol	NA	NA	NA	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
2,4-Dinitrophenol	NA	NA	NA	ND (0.83)	ND (0.85)	ND (9)	ND (4.5)	ND (0.92)	ND (0.91)	ND (0.89)	ND (0.9)	0.9 R	ND (0.88)	ND (0.83)	ND (0.86)	ND (0.89)	ND (0.86)	ND (0.89)	ND (0.92)	ND (0.87)	0.86 R	ND (0.89)
2,4-Dinitrotoluene	NA	NA	NA	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19) J	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18) J	ND (0.18)
2,6-Dinitrotoluene	NA	NA	NA	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19) J	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18) J	ND (0.18)
2-Chloronaphthalene	NA	NA	NA	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	0.024 J+	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
2-Chlorophenol	NA	NA	NA	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
2-Methylnaphthalene	NA	NA	NA	ND (0.21)	ND (0.21)	ND (2.2)	0.67 J	0.17 J	ND (0.23)	ND (0.22)	ND (0.22)	0.1 J	ND (0.22)	ND (0.21)	ND (0.21)	0.098 J	0.03 J+	0.022 J	0.079 J	ND (0.22)	0.035 J	0.033 J
2-Methylphenol (o-Cresol)	0.33	100	0.33	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
2-Nitroaniline	NA	NA	NA	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
2-Nitrophenol	NA	NA	NA	ND (0.37)	ND (0.38)	ND (4)	ND (2)	ND (0.42)	ND (0.41)	ND (0.4)	ND (0.41)	ND (0.4) J	ND (0.4)	ND (0.37)	ND (0.38)	ND (0.4)	ND (0.39)	ND (0.4)	ND (0.42)	ND (0.39)	ND (0.39) J	ND (0.4)
3&4-Methylphenol	NA	NA	NA	ND (0.25)	ND (0.26)	ND (2.7)	ND (1.4)	0.054 J	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.26)	ND (0.25)	ND (0.26)	0.032 J	ND (0.26)	ND (0.27)	ND (0.28)	ND (0.26)	ND (0.26)	ND (0.27)
3,3'-Dichlorobenzidine	NA	NA	NA	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	0.19 R	0.19 R	0.18 R	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	0.19 R	0.19 R	0.18 R	ND (0.18) J	ND (0.18)
3-Nitroaniline	NA	NA	NA	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
4,6-Dinitro-2-methylphenol	NA	NA	NA	ND (0.45)	ND (0.46)	ND (4.9)	ND (2.4)	ND (0.5)	ND (0.49)	ND (0.48)	ND (0.49)	0.48 R	ND (0.48)	ND (0.45)	ND (0.46)	ND (0.48)	ND (0.47)	ND (0.48)	ND (0.5)	ND (0.47)	0.47 R	ND (0.48)
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	NA	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
4-Chloro-3-methylphenol	NA	NA	NA	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
4-Chloroaniline	NA	NA	NA	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	0.19 R	0.19 R	0.18 R	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	0.19 R	0.19 R	0.18 R	ND (0.18) J	ND (0.18)
4-Chlorophenyl phenyl ether	NA	NA	NA	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
4-Nitroaniline	NA	NA	NA	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18) J	ND (0.18)
4-Nitrophenol	NA	NA	NA	ND (0.24)	ND (0.25)	ND (2.6)	ND (1.3)	ND (0.27)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.24)	ND (0.25)	ND (0.26)	ND (0.25)	ND (0.26)	ND (0.27)	ND (0.25)	ND (0.25)	ND (0.26)
Acenaphthene	98	100	20	ND (0.14)	ND (0.14)	ND (1.5)	0.68 J	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	0.17	ND (0.15)	ND (0.14)	0.03 J	0.11 J	ND (0.14)	ND (0.15)	0.2	ND (0.14)	0.034 J	0.02 J
Acenaphthylene	365	100	100	ND (0.14)	ND (0.14)	0.48 J	ND (0.75)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	0.13 J	ND (0.15)	ND (0.14)	0.028 J	0.2	ND (0.14)	0.066 J	ND (0.15)	ND (0.14)	0.1 J	0.065 J
Acetophenone	NA	NA	NA	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	0.031 J	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
Anthracene	1000	100	100	ND (0.1)	ND (0.11)	0.62 J	1	ND (0.12)	ND (0.11)	ND (0.11)	0.044 J	0.44	ND (0.11)	ND (0.1)	0.085 J	0.35	ND (0.11)	0.088 J	0.5	ND (0.11)	0.25	0.084 J
Benzo(a)anthracene	1	1.4	1	ND (0.1)	0.071 J	***1.4***	***1.9***	0.12	ND (0.11)	ND (0.11)	0.12	***1.5 J***	ND (0.11)	0.035 J	0.25	0.95	0.026 J+	0.41	***1.6***	ND (0.11)	0.92 J	0.3
Benzo(a)pyrene	22	1	1	ND (0.14)	0.072 J	1.5	2	0.075 J	ND (0.15)	ND (0.15)	0.12 J	1.4 J	ND (0.15)	ND (0.14)	0.24	0.85	ND (0.14)	0.11 J	1.3	ND (0.14)	0.85 J	0.31
Benzo(b)fluoranthene	2.1	1.4	1	ND (0.1)	0.11	1.7	***2.5***	0.16	ND (0.11)	ND (0.11)	0.16	1.8 J	ND (0.11)	0.044 J	0.34	1.4	ND (0.11)	0.45	1.4	ND (0.11)	1.1 J	0.44
Benzo(g,h,i)perylene	1000	4.9	0.64	ND (0.14)	0.058 J	1.2 J	1.2	0.084 J	ND (0.15)	ND (0.15)	0.1 J	0.88 J	0.036 J	0.022 J	0.17	0.52	0.075 J+	0.17	0.74	ND (0.14)	0.5 J	0.22
Benzo(k)fluoranthene	2	4.9	0.8	ND (0.1)	0.033 J	0.62 J	0.79	0.055 J	ND (0.11)	ND (0.11)	0.046 J	0.48 J	ND (0.11)	ND (0.1)	0.1 J	0.37	ND (0.11)	0.12	0.42	ND (0.11)	0.41	0.11
Benzoic acid	NA	NA	NA	ND (0.56)	ND (0.58)	ND (6.1)	ND (3)	ND (0.62)	ND (0.61)	ND (0.6)	ND (0.61)	0.6 R	ND (0.6)	ND (0.56)	ND (0.58)	ND (0.6)	ND (0.58)	ND (0.6)	ND (0.62)	ND (0.59)	0.58 R	ND (0.6)
Benzyl Alcohol	NA	NA	NA	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
Biphenyl	NA	NA	NA	ND (0.39)	ND (0.4)	ND (4.3)	ND (2.1)	ND (0.44)	ND (0.43)	ND (0.42)	ND (0.43)	0.027 J	ND (0.42)	ND (0.39)	ND (0.41)	0.028 J	ND (0.41)	ND (0.42)	ND (0.44)	ND (0.42)	ND (0.41)	ND (0.42)
bis(2-Chloroethoxy)methane	NA	NA	NA	ND (0.19)	ND (0.19)	ND (2)	ND (1)	ND (0.21)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.21)	ND (0.2)	ND (0.19)	ND (0.2)
bis(2-Chloroethyl)ether	NA	NA	NA	ND (0.16)	ND (0.16)	ND (1.7)	ND (0.84)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17) J	ND (0.17)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.16)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	ND (0.17)
bis(2-Ethylhexyl)phthalate	NA	NA	NA	ND (0.17)	0.18	0.86 J	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	0.072 J	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
Butyl benzylphthalate (BBP)	NA	NA	NA	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
Carbazole	NA	NA	NA	ND (0.17)	ND (0.18)	0.24 J	0.35 J	ND (0.19)	ND (0.19)	ND (0.18)	0.023 J	0.16 J	ND (0.18)	ND (0.17)	0.046 J	0.41	ND (0.18)	ND (0.19)	0.12 J	ND (0.18)	0.063 J	0.035 J
Chrysene	1	4.9	1	ND (0.1)	0.084 J	***1.3***	***1.9***	0.12	ND (0.11)	ND (0.11)	0.12	***1.4 J***	ND (0.11)	0.036 J	0.26	***1.1***	ND (0.11)	0.73	***1.6***	ND (0.11)	0.86 J	0.34
Dibenz(a,h)anthracene	1000	0.33	0.33	ND (0.1)	ND (0.11)	0.23 J	0.28 J	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	0.16	ND (0.11)	ND (0.1)	0.036 J	0.13	ND (0.11)	0.1 J	0.17	ND (0.11)	0.13	0.059 J
Dibenzofuran	110	18	2.1	ND (0.17)	ND (0.18)	ND (1.9)	0.32 J	0.045 J	ND (0.19)	ND (0.18)	ND (0.19)	0.092 J	ND (0.18)	ND (0.17)	0.021 J	0.22	0.023 J+	ND (0.19)	0.1 J	ND (0.18)	0.034 J	0.032 J
Diethyl phthalate	NA	NA	NA	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
Dimethyl phthalate	NA	NA	NA	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
Di-n-butylphthalate (DBP)	NA	NA	NA	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
Di-n-octyl phthalate (DnOP)	NA	NA	NA	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
Fluoranthene	1000	100	85	ND (0.1)	0.15	2.6	3.1	0.22	ND (0.11)	ND (0.11)	0.24	2.6 J	ND (0.11)	0.059 J	0.53	2.4	ND (0.11)	0.47	2.6	ND (0.11)	1.5 J	0.55
Fluorene	386	100	30	ND (0.17)	ND (0.18)	0.2 J	0.63 J	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	0.15 J	ND (0.18)	ND (0.17)	0.03 J	0.39	ND (0.18)	0.02 J	0.2	ND (0.18)	0.045 J	0.03 J
Hexachlorobenzene	3.2	0.33	0.33	ND (0.1)	ND (0.11)	ND (1.1)	ND (0.56)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	0.026 J+	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)
Hexachlorobutadiene	NA	NA	NA	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
Hexachlorocyclopentadiene	NA	NA	NA	ND (0.5)	ND (0.51)	ND (5.4)	ND (2.7)	ND (0.55)	ND (0.54)	ND (0.53)	ND (0.54)	ND (0.53) J	ND (0.53)	ND (0.49)	ND (0.51)	ND (0.53)	ND (0.51)	ND (0.53)	ND (0.55)	ND (0.52)	ND (0.51) J	ND (0.53)
Hexachloroethane	NA	NA	NA	ND (0.14)	ND (0.14)	ND (1.5)	ND (0.75)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.14)	ND (0.15)	ND (0.15)	ND (0.14)	ND (0.14) J	ND (0.15)
Indeno(1,2,3-cd)pyrene	6.6	1.4	0.5	ND (0.14)	0.052 J	0.81 J	1.2	0.068 J	ND (0.15)	ND (0.15)	0.09 J	0.82 J	0.03 J	ND (0.14)	0.16	0.53	0.036 J+	0.15	0.64	ND (0.14)	0.46 J	0.18
Isophorone	NA	NA	NA	ND (0.16)	ND (0.16)	ND (1.7)	ND (0.84)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.16)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	ND (0.17)
Naphthalene	12	100	12	ND (0.17)	ND (0.18)	0.26 J	0.82 J	0.11 J	ND (0.19)	ND (0.18)	ND (0.19)	0.13 J	ND (0.18)	ND (0.17)	0.031 J	0.25	ND (0.18)	ND (0.19)	0.08 J	ND (0.18)	0.085 J	0.057 J
Nitrobenzene	0.08	1.8	0.08	ND (0.16)	ND (0.16)	ND (1.7)	ND (0.84)	ND (0.17)	ND (0.038)	ND (0.037)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.036)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	ND (0.17)
N-Nitrosodi-n-propylamine	NA	NA	NA	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
N-Nitrosodiphenylamine	NA	NA	NA	ND (0.14)	ND (0.14)	ND (1.5)	ND (0.75)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.14)	ND (0.15)	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.15)
Pentachlorophenol	0.8	1.3	0.8	ND (0.14)	ND (0.14)	ND (1.5)	ND (0.75)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.14)	ND (0.15)	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.15)
Phenanthrene	1000	4.9	1.1	ND (0.1)	0.1 J	2.2	3.7	0.11 J	ND (0.11)	ND (0.11)	0.2	2 J	ND (0.11)	0.028 J	0.37	2.6	0.026 J	0.085 J	3.4	ND (0.11)	0.66 J	0.34
Phenol	0.33	100	0.33	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	0.03 J	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
Pyrene	1000	100	64	ND (0.1)	0.13	2.7	2.7	0.15	ND (0.11)	ND (0.11)	0.22	2.5 J	ND (0.11)	0.052 J	0.45	1.8	ND (0.11)	0.68	3.3	ND (0.11)	1.3 J	0.48

TABLE III
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																					
Location Name	Restricted Use Soil Cleanup Objectives - Protection of Groundwater 2025	NY Part 375 Restricted Residential Use Soil Cleanup Objectives 2025	NY Part 375 Unrestricted Use Soil Cleanup Objectives 2025	RI-SB-06	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-08	RI-SB-08	RI-SB-08	RI-SB-09	RI-SB-09	RI-SB-09	RI-SB-09	RI-SB-10	RI-SB-10	RI-SB-10	RI-SB-11	RI-SB-11
Sample Name				RI-SB-06_20-22	RI-SB-07_0-2	RI-SB-07_10-12	RI-SB-07_20-22	RI-SB-07_23-25	RI-SB-07_25-27	RI-SB-07_27-29	RI-SB-08_0-2	RI-SB-08_3-5	RI-SB-08_10-12	RI-SB-09_0-2	RI-SB-09_10-12	RI-SB-09_20-22	RI-SB-09_22-24	RI-SB-10_0-2	RI-SB-10_2-4	RI-SB-10_10-12	RI-SB-11_0-2	RI-SB-11_8-10
Sample Date				02/13/2026	02/05/2026	02/05/2026	02/13/2026	02/13/2026	03/16/2026	03/16/2026	02/04/2026	02/04/2026	02/04/2026	02/05/2026	02/05/2026	02/13/2026	03/16/2026	02/04/2026	02/04/2026	02/04/2026	02/05/2026	02/05/2026
Lab Sample ID				L2608265-07	L2606574-01	L2606574-02	L2608265-02	L2608265-03	L2614269-09	L2614269-10	L2606227-01	L2606227-02	L2606227-03	L2606574-04	L2606574-05	L2608265-04	L2614269-03	L2606227-08	L2606227-09	L2606227-10	L2606574-10	L2606574-11
Sample Depth (bgs)				20 - 22 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	23 - 25 (ft)	25 - 27 (ft)	27 - 29 (ft)	0 - 2 (ft)	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 2 (ft)	2 - 4 (ft)	10 - 12 (ft)	0 - 2 (ft)	8 - 10 (ft)
PFAS (mg/kg)																						
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	NA	NA	ND (0.0008)	ND (0.000799)	ND (0.000798)	ND (0.000794)	ND (0.000802)	ND (0.0008)	ND (0.000793)	ND (0.000792)	ND (0.000801)	ND (0.000782)	ND (0.000799)	ND (0.000796)	ND (0.000792)	ND (0.000796)	ND (0.000788)	ND (0.000799)	ND (0.000794)	ND (0.000801)	ND (0.000799)
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	NA	NA	ND (0.005)	ND (0.00499) J	ND (0.00499) J	ND (0.00496)	ND (0.00501)	ND (0.005)	ND (0.00495)	ND (0.00495)	ND (0.005)	ND (0.00489)	ND (0.005) J	ND (0.00498) J	ND (0.00495)	ND (0.00497)	ND (0.00493)	ND (0.005)	ND (0.00496)	ND (0.00501) J	ND (0.00499) J
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	NA	NA	ND (0.005)	ND (0.00499)	ND (0.00499)	ND (0.00496)	ND (0.00501)	ND (0.005)	ND (0.00495)	ND (0.00495)	ND (0.005)	ND (0.00489)	ND (0.005)	ND (0.00498)	ND (0.00495)	ND (0.00497)	ND (0.00493)	ND (0.005)	ND (0.00496)	ND (0.00501)	ND (0.00499)
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	NA	NA	ND (0.001)	ND (0.000999)	ND (0.000997)	ND (0.000993)	ND (0.001)	ND (0.001)	ND (0.000991)	ND (0.00099)	ND (0.001)	ND (0.000978)	ND (0.000999)	ND (0.000996)	ND (0.00099)	ND (0.000994)	ND (0.000986)	ND (0.000999)	ND (0.000992)	ND (0.001)	ND (0.000999)
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	NA	NA	ND (0.0008)	ND (0.000799)	ND (0.000798)	ND (0.000794)	ND (0.000802)	ND (0.0008)	ND (0.000793)	ND (0.000792)	ND (0.000801)	ND (0.000782)	ND (0.000799)	ND (0.000796)	ND (0.000792)	ND (0.000796)	ND (0.000788)	ND (0.000799)	ND (0.000794)	ND (0.000801)	ND (0.000799)
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	NA	NA	ND (0.0008)	ND (0.000799)	ND (0.000798)	ND (0.000794)	ND (0.000802)	ND (0.0008)	ND (0.000793)	ND (0.000792)	ND (0.000801)	ND (0.000782)	ND (0.000799)	ND (0.000796)	ND (0.000792)	ND (0.000796)	ND (0.000788)	ND (0.000799)	ND (0.000794)	ND (0.000801)	ND (0.000799)
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	NA	ND (0.0008)	ND (0.000799)	ND (0.000798)	ND (0.000794)	ND (0.000802)	ND (0.0008)	ND (0.000793)	ND (0.000792)	ND (0.000801)	ND (0.000782)	ND (0.000799)	ND (0.000796)	ND (0.000792)	ND (0.000796)	ND (0.000788)	ND (0.000799)	ND (0.000794)	ND (0.000801)	ND (0.000799)
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	NA	ND (0.0008)	ND (0.000799)	ND (0.000798)	ND (0.000794)	ND (0.000802)	ND (0.0008)	ND (0.000793)	ND (0.000792)	ND (0.000801)	ND (0.000782)	ND (0.000799)	ND (0.000796)	ND (0.000792)	ND (0.000796)	ND (0.000788)	ND (0.000799)	ND (0.000794)	ND (0.000801)	ND (0.000799)
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	NA	NA	ND (0.0008)	ND (0.000799)	ND (0.000798)	ND (0.000794)	ND (0.000802)	ND (0.0008)	ND (0.000793)	ND (0.000792)	ND (0.000801)	ND (0.000782)	ND (0.000799)	ND (0.000796)	ND (0.000792)	ND (0.000796)	ND (0.000788)	ND (0.000799)	ND (0.000794)	ND (0.000801)	ND (0.000799)
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	NA	NA	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	NA	NA	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002) J	ND (0.000198) J	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199) J	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	NA	NA	ND (0.002)	ND (0.002)	ND (0.00199)	ND (0.00198)	ND (0.002) J	ND (0.002) J	ND (0.00198) J	ND (0.00198)	ND (0.002)	ND (0.00196)	ND (0.002)	ND (0.00199)	ND (0.00198) J	ND (0.00199) J	ND (0.00197)	ND (0.002)	ND (0.00198)	ND (0.002)	ND (0.002)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NA	NA	NA	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	NA	NA	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002) J	ND (0.000198) J	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199) J	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	NA	NA	ND (0.002)	ND (0.002)	ND (0.00199)	ND (0.00198)	ND (0.002) J	ND (0.002) J	ND (0.00198) J	ND (0.00198)	ND (0.002)	ND (0.00196)	ND (0.002)	ND (0.00199)	ND (0.00198) J	ND (0.00199) J	ND (0.00197)	ND (0.002)	ND (0.00198)	ND (0.002)	ND (0.002)
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	NA	NA	ND (0.0004)	0.0004 R	0.000399 R	ND (0.000397)	ND (0.000401)	ND (0.0004)	ND (0.000396)	0.000396 R	0.0004 R	0.000391 R	0.0004 R	0.000398 R	ND (0.000396)	ND (0.000398)	0.000394 R	0.0004 R	0.000397 R	0.0004 R	0.0004 R
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	NA	NA	ND (0.0004)	ND (0.0004)	ND (0.000399)	ND (0.000397)	ND (0.000401)	ND (0.0004)	ND (0.000396)	ND (0.000396)	ND (0.0004)	ND (0.000391)	ND (0.0004)	ND (0.000398)	ND (0.000396)	ND (0.000398)	ND (0.000394)	ND (0.0004)	ND (0.000397)	ND (0.0004)	ND (0.0004)
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	NA	NA	ND (0.0004)	ND (0.0004)	ND (0.000399)	ND (0.000397)	ND (0.000401)	ND (0.0004)	ND (0.000396)	ND (0.000396)	ND (0.0004)	ND (0.000391)	ND (0.0004)	ND (0.000398)	ND (0.000396)	ND (0.000398)	ND (0.000394)	ND (0.0004)	ND (0.000397)	ND (0.0004)	ND (0.0004)
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	NA	NA	ND (0.0008)	ND (0.000799)	ND (0.000798)	ND (0.000794)	ND (0.000802)	ND (0.0008)	ND (0.000793)	ND (0.000792)	ND (0.000801)	ND (0.000782)	ND (0.000799)	ND (0.000796)	ND (0.000792)	ND (0.000796)	ND (0.000788)	ND (0.000799)	ND (0.000794)	ND (0.000801)	ND (0.000799)
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	NA	NA	ND (0.0004)	ND (0.0004)	ND (0.000399)	ND (0.000397)	ND (0.000401)	ND (0.0004)	ND (0.000396)	ND (0.000396)	ND (0.0004)	ND (0.000391)	ND (0.0004)	ND (0.000398)	ND (0.000396)	ND (0.000398)	ND (0.000394)	ND (0.0004)	ND (0.000397)	ND (0.0004)	ND (0.0004)
Perfluorobutanesulfonic acid (PFBS)	NA	NA	NA	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)
Perfluorobutanoic acid (PFBA)	NA	NA	NA	ND (0.0008)	ND (0.000799)	ND (0.000798)	ND (0.000794)	ND (0.000802)	ND (0.0008)	ND (0.000793)	ND (0.000792)	ND (0.000801)	ND (0.000782)	ND (0.000799)	ND (0.000796)	ND (0.000792)	ND (0.000796)	ND (0.000788)	ND (0.000799)	ND (0.000794)	ND (0.000801)	ND (0.000799)
Perfluorodecanesulfonic acid (PFDS)	NA	NA	NA	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)
Perfluorodecanoic acid (PFDA)	NA	NA	NA	ND (0.0002)	0.00011 J	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	0.00005 J	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	0.000063 J	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	0.000074 J	ND (0.0002)
Perfluorododecane sulfonic acid (PFDoDS)	NA	NA	NA	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)
Perfluorododecanoic acid (PFDoDA)	NA	NA	NA	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	NA	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	0.000065 J	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	ND (0.0002)	0.000114 J	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	0.000092 J	ND (0.0002)
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	NA	ND (0.0002) J	0.00008 J	0.000068 J	ND (0.000198) J	ND (0.0002) J	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	0.000082 J	ND (0.0002)	ND (0.000199)	ND (0.000198) J	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	0.000062 J	ND (0.0002)
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)
Perfluorononane sulfonic acid (PFNS)	NA	NA	NA	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)
Perfluorononanoic acid (PFNA)	NA	NA	NA	ND (0.0002)	0.000066 J	0.000054 J	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	0.000034 J	ND (0.000197)	ND (0.0002)	ND (0.000198)	0.000064 J	ND (0.0002)
Perfluorooctane sulfonamide (PFOSA)	NA	NA	NA	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)
Perfluorooctanesulfonic acid (PFOS)	0.001	0.044	0.00088	0.000122 J	0.00039	0.000321	ND (0.000198)	***0.00102***	0.00034	0.00021	0.000238 J	***0.0131 J***	***0.00452 J***	0.000154 J	0.000422	0.000346	0.000442	0.00014 J	0.000378 J	***0.00711 J***	0.000573	0.000535
Perfluorooctanoic acid (PFOA)	0.0008	0.033	0.00066	0.000066 J	0.000503	0.000315	0.00006 J	0.000078 J	0.000132 J	0.000048 J	0.000097 J	0.000078 J	0.000485	0.000056 J	0.000261	0.000176 J	0.000046 J	ND (0.000197)	ND (0.0002)	ND (0.000198)	0.000116 J	0.000138 J
Perfluoropentanesulfonic acid (PFPeS)	NA	NA	NA	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	ND (0.0004)	0.000122 J	ND (0.000399)	ND (0.000397)	0.000144 J	ND (0.0004)	ND (0.000396)	ND (0.000396)	0.000134 J	ND (0.000391)	ND (0.0004)	0.000092 J	0.000135 J	ND (0.000398)	ND (0.000394)	ND (0.0004)	ND (0.000397)	0.000202 J	ND (0.0004)
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	NA	ND (0.0002)	ND (0.0002) J	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198) J	ND (0.000198) J	ND (0.0002)	ND (0.000196) J	ND (0.0002) J	ND (0.000199) J	ND (0.000198)	ND (0.000199) J	ND (0.000197) J	ND (0.0002)	ND (0.000198)	ND (0.0002) J	ND (0.0002) J
Perfluorotridecanoic acid (PFTrDA)	NA	NA	NA	ND (0.0002)	ND (0.0002) J	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198) J	ND (0.000198) J	ND (0.0002)	ND (0.000196) J	ND (0.0002) J	ND (0.000199) J	ND (0.000198)	ND (0.000199) J	ND (0.000197) J	ND (0.0002)	ND (0.000198)	ND (0.0002) J	ND (0.0002) J
Perfluoroundecanoic acid (PFUnDA)	NA	NA	NA	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)
Pesticides (mg/kg)																						
4,4'-DDD	14	5	0.0033	ND (0.00166)	ND (0.00171)	ND (0.0018)	ND (0.00178)	ND (0.00178)	ND (0.0018)	ND (0.00181)	ND (0.00176)	ND (0.00171)	ND (0.00172)	ND (0.00169)	0.00855	ND (0.00176)	ND (0.00174)	ND (0.00177)	ND (0.00177)	ND (0.00174)	ND (0.00174)	ND (0.00178)
4,4'-DDE	9.3	3.4	0.0033	ND (0.00166)	ND (0.00171)	ND (0.0018)	ND (0.00178)	ND (0.00178)	ND (0.0018)	ND (0.00181)	ND (0.00176)	ND (0.00171)	ND (0.00172)	0.000551 J	0.00247	ND (0.00176)	ND (0.00174)	ND (0.00177)	ND (0.00177)	ND (0.00174)	0.00135 J	ND (0.00178)
4,4'-DDT	135	3.8	0.0033	ND (0.00166)	ND (0.00171)	ND (0.0018)	ND (0.00178)	ND (0.00178)	ND (0.0018)	ND (0.00181)	0.00271 J	ND (0.00171)	ND (0.00172)	ND (0.00169)	0.01	ND (0.00176)	ND (0.00174)	ND (0.00177)	ND (0.00177)	ND (0.00174)	0.0054 J	ND (0.00178)
Aldrin	0.19	0.044	0.0048	ND (0.00166)	ND (0.00171)	ND (0.0018)	ND (0.00178)	ND (0.00178)	ND (0.0018)	ND (0.00181)	ND (0.00176)	ND (0.00171)	ND (0.00172)	ND (0.00169)	ND (0.00165)	ND (0.00176)	ND (0.00174)	ND (0.00177)	ND (0.00177)	ND (0.00174)	ND (0.00174)	ND (0.00178)
alpha-BHC	0.02	0.18	0.02	ND (0.00069)	ND (0.000711)	ND (0.000748)	ND (0.000742)	ND (0.00074)	ND (0.00075)	ND (0.000754)	ND (0.000736)	ND (0.000713)	ND (0.000717)	ND (0.000704)	ND (0.000688)	ND (0.000733)	ND (0.000725)	ND (0.000738)	ND (0.000737)	ND (0.000725)	ND (0.000726)	ND (0.000742)
alpha-Chlordane (cis)	4.5	0.65	0.014	ND (0.00207)	0.0048	ND (0.00224)	ND (0.00223)	ND (0.00222)	ND (0.00225)	ND (0.00226)	0.0093 J	ND (0.00214)	ND (0.00215)	ND (0.00211)	ND (0.00206)	0.0034	ND (0.00218)	ND (0.00221)	ND (0.00221)	ND (0.00217)	0.0106 J	ND (0.00223)
beta-BHC	0.09	0.18	0.021	ND (0.00166)	ND (0.00171)	ND (0.0018)	ND (0.00178)	ND (0.00178)	ND (0.0018)	ND (0.00181)	ND (0.00176)	ND (0.00171)	ND (0.00172)	ND (0.00169)	ND (0.00165)	ND (0.00176)	ND (0.00174)	ND (0.00177)	ND (0.00177)	ND (0.00174)	ND (0.00174)	ND (0.00178)
Chlordane	NA	NA	NA	ND (0.0138)	ND (0.0142)	ND (0.015)	ND (0.0148)	ND (0.0148)	ND (0.015)	ND (0.0151)	0.0766	ND (0.0142)	ND (0.0143)	ND (0.0141)	ND (0.0138)	ND (0.0147)	ND (0.0145)	ND (0.0148)	ND (0.0147)	ND (0.0145)	ND (0.0145)	ND (0.0148)
delta-BHC	0.1	100	0.04	ND (0.00166)	ND (0.00171)	ND (0.0018)	ND (0.00178)	ND (0.00178)	ND (0.0018)	ND (0.00181)	ND (0.00176)	ND (0.00171)	ND (0.00172)	ND (0.00169)	ND (0.00165)	ND (0.00176)	ND (0.00174)	ND (0.00177)	ND (0.00177)	ND (0.00174)	ND (0.00174)	ND (0.00178)
Dieldrin	0.1	0.075	0.005	ND (0.00104)	ND (0.00107)	ND (0.00112)	ND (0.00111)	ND (0.00111)	ND (0.00112)	ND (0.00113)	ND (0.0011)	ND (0.00107)	ND (0.00108)	ND (0.00106)	ND (0.00103)	ND (0.0011)	ND (0.00109)	ND (0.00111)	ND (0.0011)	ND (0.00109)	ND (0.00109)	ND (0.00111)
Endosulfan I	65	35	4.3	ND (0.00166)	ND (0.00171)	ND (0.0018)	ND (0.00178)	ND (0.00178)	ND (0.0018)	ND (0.00181)	ND (0.00176)	ND (0.00171)	ND (0.00172)	ND (0.00169)	ND (0.00165)	ND (0.00176)	ND (0.00174)	ND (0.00177)	ND (0.00177)	ND (0.00174)	ND (0.00174)	ND (0.00178)
Endosulfan II	44	35	4.3	ND (0.00166)	ND (0.00171)	ND (0.0018)	ND (0.00178)	ND (0.00178)	ND (0.0018)	ND (0.00181)	ND (0.00176)	ND (0.00171)	ND (0.00172)	ND (0.00169)	ND (0.00165)	ND (0.00176)	ND (0.00174)	ND (0.00177)	ND (0.00177)	ND (0.00174)	ND (0.00174)	ND (0.00178)
Endosulfan sulfate	47	35	4.3	ND (0.00069)	ND (0.000711)	ND (0.000748)	ND (0.000742)	ND (0.00074)	ND (0.00075)	ND (0.000754)	ND (0.000736)	ND (0.000713)	ND (0.000717)	ND (0.000704)	ND (0.000688)	ND (0.000733)	ND (0.000725)	ND (0.000738)	ND (0.000737)	ND (0.000725)	ND (0.000726)	ND (0.000742)
Endrin	0.06	5.3	0.014	ND (0.00069)	ND (0.000711)	ND (0.000748)	ND (0.000742)	ND (0.00074)	ND (0.00075)	ND (0.000754)	ND (0.000736)	ND (0.000713)	ND (0.000717)	ND (0.000704)	ND (0.000688)	ND (0.000733)	ND (0.000725)	ND (0.000738)	ND (0.000737)	ND (0.000725)	ND (0.000726)	ND (0.000742)
Endrin aldehyde	NA	NA	NA	ND (0.00207)	ND (0.00213)	ND (0.00224)	ND (0.00223)	ND (0.00222)	ND (0.00225)	ND (0.00226)	ND (0.00221)	ND (0.00214)	ND (0.00215)	ND (0.00211)	ND (0.00206)	ND (0.0022)	ND (0.00218)	ND (0.00221)	ND (0.00221)	ND (0.00217)	ND (0.00218)	ND (0.00223)
Endrin ketone	NA	NA	NA	ND (0.00166)	ND (0.00171)	ND (0.0018)	ND (0.00178)	ND (0.00178)	ND (0.0018)	ND (0.00181)	ND (0.00176)	ND (0.00171)	ND (0.00172)	ND (0.00169)	ND (0.00165)	ND (0.00176)	ND (0.00174)	ND (0.00177)	ND (0.00177)	ND (0.00174)	ND (0.00174)	ND (0.00178)
gamma-BHC (Lindane)	0.05	0.21	0.025	ND (0.00069)	ND (0.000711)	ND (0.000748)	ND (0.000742)	ND (0.00074)	ND (0.00075)	ND (0.000754)	ND (0.000736)	ND (0.000713)	ND (0.000717)	ND (0.000704)	ND (0.000688)	ND (0.000733)	ND (0.000725)	ND (0.000738)	ND (0.000737)	ND (0.000725)	ND (0.000726)	ND (0.000742)
gamma-Chlordane (trans)	NA	NA	NA	ND (0.00207)	0.00238 J	ND (0.00224)	ND (0.00223)	ND (0.00222)	ND (0.00225)	ND (0.00226)	0.0113	ND (0.00214)	ND (0.00215)	ND (0.00211)	ND (0.00206)	0.0012 J	ND (0.00218)	ND (0.00221)	ND (0.00221)	ND (0.00217)	0.0132	ND (0.00223)
Heptachlor	0.38	0.53	0.013	ND (0.000828)	ND (0.000853)	ND (0.000898)	ND (0.000891)	ND (0.000888)	ND (0.0009)	ND (0.000905)	ND (0.000883)	ND (0.000855)	ND (0.000861)	ND (0.000845)	ND (0.000826)	ND (0.00088)	ND (0.00087)	ND (0.000886)	ND (0.000884)	ND (0.00087)	ND (0.000871)	ND (0.00089)
Heptachlor epoxide	NA	NA	NA	ND (0.0031)	ND (0.0032)	ND (0.00337)	ND (0.00334)	ND (0.00333)	ND (0.00337)	ND (0.00339)	ND (0.00331)	ND (0.00321)	ND (0.00323)	ND (0.00317)	ND (0.0031)	ND (0.0033)	ND (0.00326)	ND (0.00332)	ND (0.00332)	ND (0.00326)	ND (0.00326)	ND (0.00334)
Methoxychlor	NA	NA	NA	ND (0.0031)	ND (0.0032)	ND (0.00337)	ND (0.00334)	ND (0.00333)	ND (0.00337)	ND (0.00339)	ND (0.00331)	ND (0.00321)	ND (0.00323)	ND (0.00317)	ND (0.0031)	ND (0.0033)	ND (0.00326)	ND (0.00332)	ND (0.00332)	ND (0.00326)	ND (0.00326)	ND (0.00334)
Toxaphene	NA	NA	NA	ND (0.031)	ND (0.032)	ND (0.0337)	ND (0.0334)	ND (0.0333)	ND (0.0337)	ND (0.0339)	ND (0.0331)	ND (0.0321)	ND (0.0323)	ND (0.0317)	ND (0.031)	ND (0.033)	ND (0.0326)	ND (0.0332)	ND (0.0332)	ND (0.0326)	ND (0.0326)	ND (0.0334)
Polychlorinated Biphenyls (mg/kg)																						
Aroclor-1016 (PCB-1016)	NA	NA	NA	ND (0.0526)	ND (0.0518)	ND (0.0545)	ND (0.0554)	ND (0.0568)	ND (0.0538)	ND (0.0567)	ND (0.0566)	ND (0.0538)	ND (0.0536)	ND (0.0494)	ND (0.0526)	ND (0.0548)	ND (0.0532)	ND (0.0542)	ND (0.0571)	ND (0.0533)	ND (0.0502)	ND (0.0529)
Aroclor-1221 (PCB-1221)	NA	NA	NA	ND (0.0526)	ND (0.0518)	ND (0.0545)	ND (0.0554)	ND (0.0568)	ND (0.0538)	ND (0.0567)	ND (0.0566)	ND (0.0538)	ND (0.0536)	ND (0.0494)	ND (0.0526)	ND (0.0548)	ND (0.0532)	ND (0.0542)	ND (0.0571)	ND (0.0533)	ND (0.0502)	ND (0.0529)
Aroclor-1232 (PCB-1232)	NA	NA	NA	ND (0.0526)	ND (0.0518)	ND (0.0545)	ND (0.0554)	ND (0.0568)	ND (0.0538)	ND (0.0567)	ND (0.0566)	ND (0.0538)	ND (0.0536)	ND (0.0494)	ND (0.0526)	ND (0.0548)	ND (0.0532)	ND (0.0542)	ND (0.0571)	ND (0.0533)	ND (0.0502)	ND (0.0529)
Aroclor-1242 (PCB-1242)	NA	NA	NA	ND (0.0526)	ND (0.0518)	ND (0.0545)	ND (0.0554)	ND (0.0568)	ND (0.0538)	ND (0.0567)	ND (0.0566)	ND (0.0538)	ND (0.0536)	ND (0.0494)	ND (0.0526)	ND (0.0548)	ND (0.0532)	ND (0.0542)	ND (0.0571)	ND (0.0533)	ND (0.0502)	ND (0.0529)
Aroclor-1248 (PCB-1248)	NA	NA	NA	ND (0.0526)	ND (0.0518)	ND (0.0545)	ND (0.0554)	ND (0.0568)	ND (0.0538)	ND (0.0567)	ND (0.0566)	ND (0.0538)	ND (0.0536)	ND (0.0494)	ND (0.0526)	ND (0.0548)	ND (0.0532)	ND (0.0542)	ND (0.0571)	ND (0.0533)	ND (0.0502)	ND (0.0529)
Aroclor-1254 (PCB-1254)	NA	NA	NA	ND (0.0526)	0.0232 J	ND (0.0545)	0.731	0.0993	ND (0.0538)	ND (0.0567)	0.0452 J	0.872	ND (0.0536)	ND (0.0494)	0.0355 J	0.0608	ND (0.0532)	ND (0.0542)	ND (0.0571)	ND (0.0533)	0.0536	0.0607
Aroclor-1260 (PCB-1260)	NA	NA	NA	ND (0.0526)	0.0113 J	0.236	0.203 J	0.0374 J	ND (0.0538)	ND (0.0567)	0.0113 J	ND (0.0538)	ND (0.0536)	ND (0.0494)	0.0439 J	0.0701	ND (0.0532)	ND (0.0542)	ND (0.0571)	ND (0.0533)	ND (0.0502)	0.0442 J
Aroclor-1262 (PCB-1262)	NA	NA	NA	ND (0.0526)	ND (0.0518)	ND (0.0545)	ND (0.0554)	ND (0.0568)	ND (0.0538)	ND (0.0567)	ND (0.0566)	ND (0.0538)	ND (0.0536)	ND (0.0494)	ND (0.0526)	ND (0.0548)	ND (0.0532)	ND (0.0542)	ND (0.0571)	ND (0.0533)	ND (0.0502)	ND (0.0529)
Aroclor-1268 (PCB-1268)	NA	NA	NA	ND (0.0526)	ND (0.0518)	ND (0.0545)	ND (0.0554)	ND (0.0568)	ND (0.0538)	ND (0.0567)	ND (0.0566)	ND (0.0538)	ND (0.0536)	ND (0.0494)	0.036 J	0.084	ND (0.0532)	ND (0.0542)	ND (0.0571)	ND (0.0533)	0.0228 J	0.026 J
Polychlorinated biphenyls (PCBs)	3.2	1	0.1	ND (0.0526)	0.0345 J	0.236	0.934	0.137 J	ND (0.0538)	ND (0.0567)	0.0565 J	0.872	ND (0.0536)	ND (0.0494)	0.115 J	0.215	ND (0.0532)	ND (0.0542)	ND (0.0571)	ND (0.0533)	0.0764 J	0.131 J

TABLE III
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

Location Name	Criteria			RI-SB-06	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-08	RI-SB-08	RI-SB-08	RI-SB-09	RI-SB-09	RI-SB-09	RI-SB-09	RI-SB-10	RI-SB-10	RI-SB-10	RI-SB-11	RI-SB-11
Sample Name	Restricted Use Soil Cleanup Objectives - Protection of Groundwater 2025	NY Part 375 Restricted Residential Use Soil Cleanup Objectives 2025	NY Part 375 Unrestricted Use Soil Cleanup Objectives 2025	RI-SB-06_20-22	RI-SB-07_0-2	RI-SB-07_10-12	RI-SB-07_20-22	RI-SB-07_23-25	RI-SB-07_25-27	RI-SB-07_27-29	RI-SB-08_0-2	RI-SB-08_3-5	RI-SB-08_10-12	RI-SB-09_0-2	RI-SB-09_10-12	RI-SB-09_20-22	RI-SB-09_22-24	RI-SB-10_0-2	RI-SB-10_2-4	RI-SB-10_10-12	RI-SB-11_0-2	RI-SB-11_8-10
Sample Date				02/13/2026	02/05/2026	02/05/2026	02/13/2026	02/13/2026	03/16/2026	03/16/2026	02/04/2026	02/04/2026	02/04/2026	02/05/2026	02/05/2026	02/13/2026	03/16/2026	02/04/2026	02/04/2026	02/04/2026	02/05/2026	02/05/2026
Lab Sample ID				L2608265-07	L2606574-01	L2606574-02	L2608265-02	L2608265-03	L2614269-09	L2614269-10	L2606227-01	L2606227-02	L2606227-03	L2606574-04	L2606574-05	L2608265-04	L2614269-03	L2606227-08	L2606227-09	L2606227-10	L2606574-10	L2606574-11
Sample Depth (bgs)				20 - 22 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	23 - 25 (ft)	25 - 27 (ft)	27 - 29 (ft)	0 - 2 (ft)	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 2 (ft)	2 - 4 (ft)	10 - 12 (ft)	0 - 2 (ft)	8 - 10 (ft)
Inorganic Compounds (mg/kg)																						
Aluminum	NA	NA	NA	6350	8540	5750	8450	6310	10200	8550	8020	8930	5430	6000	7770	7010	8860	2430	2980	4600	6120	5430
Antimony	NA	NA	NA	ND (4.21) J	ND (4.14) J	ND (4.48) J	ND (8.9) J	ND (4.49) J	ND (4.57)	ND (4.52)	ND (4.46) J	ND (4.28) J	ND (4.33) J	ND (4.12) J	ND (4.32) J	ND (4.33) J	ND (4.31)	ND (4.45) J	ND (4.42) J	ND (4.29) J	ND (4.21) J	ND (4.25) J
Arsenic	16	16	13	0.746 J	2.54 J-	5.15 J-	4.44	2.09	1.78	2.18	2.06 J-	8.96 J-	2.04 J-	1.37 J-	2.79 J-	2.32	1.96	3.45 J-	5.11 J-	2.32 J-	6.28 J-	3.27 J-
Barium	820	410	410	69 J+	79	85.6	121 J+	85.5 J+	54.9	75.7	67.1	41.4	14.2	47.9	63	61.8 J+	172	28.2	27.9	14.2	87.6	62.2
Beryllium	47	43	4.4	0.277 J	0.322 J	1.17	0.352 J	0.335 J	0.376 J	0.193 J	0.267 J	0.375 J	0.305 J	0.178 J	0.222 J	0.326 J	0.331 J	0.168 J	0.222 J	0.272 J	0.246 J	0.242 J
Cadmium	7.5	2.5	2.5	ND (0.841)	0.097 J	1.45	0.736 J+	0.303 J+	0.43 J	0.157 J	0.094 J	0.149 J	0.118 J	ND (0.824)	ND (0.864)	0.29 J+	ND (0.861)	ND (0.89)	0.055 J	0.071 J	ND (0.843)	ND (0.849)
Calcium	NA	NA	NA	24900 J	9740	9590	9650 J	3030 J	14200	2720	14500 J+	2290 J+	854 J+	16500	10200	13000 J	22000	4460 J+	5380 J+	1540 J+	24200	12000
Chromium	NA	NA	NA	13.7	22 J-	62.2 J-	75.6	13.7	19.5	15.8	20.9	13.3	13.5	14.7 J-	19.3 J-	30.3	16.3	7.02	8.18	20.9	18.4 J-	13.7 J-
Chromium VI (Hexavalent)	19	1	1	0.856 R	0.421 J	ND (0.917)	0.917 R	0.199 J-	ND (0.92)	ND (0.92)	ND (0.911)	ND (0.897)	ND (0.888)	ND (0.847)	ND (0.876)	0.899 R	ND (0.879)	ND (0.895)	ND (0.931)	0.201 J	ND (0.877)	0.192 J
Cobalt	NA	NA	NA	6.34 J	7.02	9.99	14.2 J	4.35 J	10.9	7.2	7.34	8.55	5.59	6.66	6.73	6.58 J	7.61	3.33	4.03	5.19	5.06	4.94
Copper	1720	280	50	19.4	29.6 J-	99.9 J-	141	42.9	21.8	19.5	35.1 J+	22.5 J+	13.9 J+	25.8 J-	30.7 J-	176	16.3	7.19 J+	12.6 J+	10.2 J+	39.8 J-	35.6 J-
Iron	NA	NA	NA	11400	14700	23000	34200	12000	16400	14500	14400	19000	10400	11700	13900	13400	14500	6290	7770	10800	16900	13100
Lead	450	400	63	3.34 J+	57.4 J-	124 J-	122 J+	69.7 J+	10.5	11.2	89 J+	56.5 J+	4.67 J+	16.3 J-	51.4 J-	72.8 J+	5.19	8.98 J+	29.6 J+	5.48 J+	74.6 J-	72.8 J-
Magnesium	NA	NA	NA	13600 J	6640	5050	4790 J	2720 J	13200	4280	8630 J+	2580 J+	3150 J+	11400	8220	7480 J	15900	1660 J+	1230 J+	1720 J+	7170	4260
Manganese	2000	2000	1600	236 J	293	328	412 J	79.6 J	428	209	235	356	162	202	262	242 J	399	162	174	142	212	194
Mercury	0.73	0.3	0.18	ND (0.078)	0.061 J	0.168	0.165	0.178	ND (0.078)	ND (0.072)	ND (0.083)	0.16	ND (0.082)	0.057 J	0.091	0.053 J	ND (0.09)	ND (0.077)	ND (0.081)	ND (0.082)	0.126	0.102
Nickel	130	320	30	14.4 J+	16.2	35.1	53.5 J+	11.1 J+	20.4	13.3	18.5	11	10.3	14.1	15.8	20.5 J+	13.7	8.5	9.45	9.58	12.7	11.1
Potassium	NA	NA	NA	3090 J-	2050 J-	684 J-	2550 J-	1380 J-	2630	3000	2240	498	745	1700 J-	1770 J-	1520 J-	1830	576	310	559	1440 J-	916 J-
Selenium	4	110	3.9	ND (1.68)	ND (1.66)	ND (1.79)	0.732 J	0.365 J	ND (1.83)	ND (1.81)	ND (1.78)	ND (1.71)	ND (1.73)	ND (1.65)	ND (1.73)	ND (1.73)	ND (1.72)	ND (1.78)	ND (1.77)	ND (1.72)	ND (1.68)	ND (1.7)
Silver	8.3	110	2	ND (0.421)	ND (0.414)	0.722	0.861 J+	ND (0.449)	3.59	1.36	ND (0.446)	ND (0.428)	ND (0.433)	ND (0.412)	ND (0.432)	0.832 J+	0.498	ND (0.445)	ND (0.442)	ND (0.429)	ND (0.421)	0.413 J
Sodium	NA	NA	NA	136 J	126 J+	173 J+	ND (356)	ND (180)	ND (183)	118 J	142 J	ND (171)	ND (173)	ND (165)	ND (173)	122 J	ND (172)	ND (178)	ND (177)	ND (172)	122 J+	96.1 J+
Thallium	NA	NA	NA	ND (1.68)	ND (1.66)	ND (1.79)	ND (3.56)	ND (1.8)	ND (1.83)	ND (1.81)	ND (1.78)	ND (1.71)	ND (1.73)	ND (1.65)	ND (1.73)	ND (1.73)	ND (1.72)	ND (1.78)	ND (1.77)	ND (1.72)	ND (1.68)	ND (1.7)
Vanadium	NA	NA	NA	20.2	26.7 J-	26.6 J-	22.5	16.8	27.5	20.6	27.6	27.2	14.7	21.8 J-	25.9 J-	21.7	23.2	8.04	9.1	11.7	23 J-	24.1 J-
Zinc	2480	6600	109	33.4	81.9 J-	2300 J-	212	166	126	49	75.7	55.4	46.5	46.3 J-	81.2 J-	240	33.6	33.2	72.6	25.8	103 J-	71 J-
TCLP Inorganic Compounds (mg/L)																						
Lead	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other																						
Total Solids (%)	NA	NA	NA	93.5	92.7	87.2	87.2	85.3	86.9	87	87.8	89.2	90.1	94.4	91.3	89	91	89.4	85.9	89.6	91.2	88.6
Cyanide (mg/kg)	40	13	2.3	ND (1)	6.4 J-	4.5 J-	2.1	1.5	ND (1.1)	ND (1.1)	ND (1.1) J	ND (1.1) J	ND (1.1) J	ND (1) J	ND (1) J	ND (1.1)	ND (1.1)	ND (1.1) J	ND (1.1) J	ND (1) J	0.89 J-	ND (1.1) J

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram
mg/L: milligram per liter
-: Not Analyzed
B: Compound was found in the blank and the associated sample.
bgs: below ground surface
F: Results are considered to be an estimated maximum concentration
ft: feet
I: The lower value for the two columns has been reported due to obvious interference.
J-: Value is estimated, low bias.
J: Value is estimated.
J+: Value is estimated, high bias.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
P: The RPD between the results for the two columns exceeds the method-specified criteria.
R: Rejected

- 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.
- ***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 Use Residential Soil Cleanup Objectives.

TABLE III
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Criteria Restricted Use Soil Cleanup Objectives - Protection of Groundwater 2025	Criteria NY Part 375 Restricted Residential Use Soil Cleanup Objectives 2025	Criteria NY Part 375 Unrestricted Use Soil Cleanup Objectives 2025	RI-SB-11 RI-SB-11_11-13 02/05/2026 L2606574-12 11 - 13 (ft)	RI-SB-12 RI-SB-12_0-2 02/03/2026 L2605921-04 0 - 2 (ft)	RI-SB-12 RI-SB-12_3-5 02/03/2026 L2605921-05 3 - 5 (ft)	RI-SB-12 RI-SB-12_10-12 02/03/2026 L2605921-06 10 - 12 (ft)	RI-SB-13 RI-SB-13_0-2 02/12/2026 L2607931-02 0 - 2 (ft)	RI-SB-13 RI-SB-13_10-12 02/12/2026 L2607931-03 10 - 12 (ft)	RI-SB-13 RI-SB-13_20-22 02/12/2026 L2607931-04 20 - 22 (ft)	RI-SB-13 RI-SB-13_22-24 03/16/2026 L2614269-11 22 - 24 (ft)	RI-SB-13 DUP-01_20260316 03/16/2026 L2614269-12 22 - 24 (ft)
Volatile Organic Compounds (mg/kg)												
1,1,1,2-Tetrachloroethane	NA	NA	NA	ND (0.00067)	ND (0.00053)	ND (0.00052)	ND (0.00057)	ND (0.00051)	ND (0.00045)	ND (0.00062)	ND (0.00047)	ND (0.00052)
1,1,1-Trichloroethane	0.68	100	0.68	ND (0.00067)	ND (0.00053)	0.00056	ND (0.00057)	ND (0.00051)	ND (0.00045)	0.0072	0.0022 J	ND (0.00052) J
1,1,2,2-Tetrachloroethane	NA	NA	NA	ND (0.00067)	ND (0.00053)	ND (0.00052)	ND (0.00057)	ND (0.00051)	ND (0.00045)	ND (0.00062)	ND (0.00047)	ND (0.00052)
1,1,2-Trichloroethane	NA	NA	NA	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	ND (0.0012)	ND (0.00094)	ND (0.001)
1,1-Dichloroethane	0.27	47	0.27	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	0.00092 J	ND (0.00094)	ND (0.001)
1,1-Dichloroethene	0.33	0.98	0.24	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	0.00036 J	ND (0.00094)	ND (0.001)
1,1-Dichloropropene	NA	NA	NA	ND (0.00067)	ND (0.00053)	ND (0.00052)	ND (0.00057)	ND (0.00051)	ND (0.00045)	ND (0.00062)	ND (0.00047)	ND (0.00052)
1,2,3-Trichlorobenzene	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)
1,2,3-Trichloropropane	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)
1,2,4,5-Tetramethylbenzene	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019) J	ND (0.0021)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)
1,2,4-Trimethylbenzene	5.9	100	5.9	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	0.00096 J	ND (0.0025)	ND (0.0019)	ND (0.0021)
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	ND (0.004)	ND (0.0032)	ND (0.0031)	ND (0.0034)	ND (0.003)	ND (0.0027)	ND (0.0038)	ND (0.0028)	ND (0.0031)
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	ND (0.0012)	ND (0.00094)	ND (0.001)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)
1,2-Dichloroethane	0.02	5.8	0.02	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	ND (0.0012)	ND (0.00094)	ND (0.001)
1,2-Dichloroethene (total)	NA	NA	NA	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	ND (0.0012)	ND (0.00094)	ND (0.001)
1,2-Dichloropropane	NA	NA	NA	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	ND (0.0012)	ND (0.00094)	ND (0.001)
1,3,5-Trimethylbenzene	3.1	100	3.1	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	0.00047 J	ND (0.0025)	ND (0.0019)	ND (0.0021)
1,3-Dichlorobenzene	2.6	38	2.6	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)
1,3-Dichloropropane	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)
1,3-Dichloropropene	NA	NA	NA	ND (0.00067)	ND (0.00053)	ND (0.00052)	ND (0.00057)	ND (0.00051)	ND (0.00045)	ND (0.00062)	ND (0.00047)	ND (0.00052)
1,4-Dichlorobenzene	1.8	24	1.8	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)
1,4-Diethylbenzene	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	0.00032 J	ND (0.0025)	ND (0.0019)	ND (0.0021)
1,4-Dioxane	0.1	5.7	0.1	ND (0.11)	ND (0.085)	ND (0.083)	ND (0.092)	ND (0.081)	ND (0.072)	ND (0.1)	ND (0.075)	ND (0.082)
2,2-Dichloropropane	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)
2-Butanone (Methyl Ethyl Ketone)	0.1	100	0.1	0.021	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	0.042	0.0049 J	ND (0.0094)	ND (0.01)
2-Chlorotoluene	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)
2-Hexanone (Methyl Butyl Ketone)	NA	NA	NA	ND (0.013)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.009)	ND (0.012)	ND (0.0094)	ND (0.01)
2-Phenylbutane (sec-Butylbenzene)	25	100	25	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	ND (0.0012)	ND (0.00094)	ND (0.001)
4-Chlorotoluene	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	0.0005 J	ND (0.0025)	ND (0.0019)	ND (0.0021)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	ND (0.013)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	0.0024 J	ND (0.012)	ND (0.0094)	ND (0.01)
Acetone	0.03	100	0.03	***0.14***	ND (0.011)	ND (0.01)	0.0076 J	ND (0.01)	***0.041***	0.017	ND (0.0094)	ND (0.01)
Acrylonitrile	NA	NA	NA	ND (0.0054)	ND (0.0042)	ND (0.0042)	ND (0.0046)	ND (0.0041)	ND (0.0036)	ND (0.005)	ND (0.0038)	ND (0.0041)
Benzene	0.06	3.7	0.06	ND (0.00067)	0.00018 J	ND (0.00052)	0.00043 J	ND (0.00051)	0.0015	0.00028 J	0.00016 J	ND (0.00052)
Bromobenzene	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)
Bromodichloromethane	NA	NA	NA	ND (0.00067)	ND (0.00053)	ND (0.00052)	ND (0.00057)	ND (0.00051)	ND (0.00045)	ND (0.00062)	ND (0.00047)	ND (0.00052)
Bromoform	NA	NA	NA	ND (0.0054)	ND (0.0042)	ND (0.0042)	ND (0.0046)	ND (0.0041)	ND (0.0036)	ND (0.005)	ND (0.0038)	ND (0.0041)
Bromomethane (Methyl Bromide)	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)
Carbon disulfide	NA	NA	NA	ND (0.013)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.009)	ND (0.012)	ND (0.0094)	ND (0.01)
Carbon tetrachloride	0.76	7.1	0.76	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	ND (0.0012)	ND (0.00094)	ND (0.001)
Chlorobenzene	4.5	100	4.5	ND (0.00067)	ND (0.00053)	ND (0.00052)	ND (0.00057)	ND (0.00051)	ND (0.00045)	ND (0.00062)	ND (0.00047)	ND (0.00052)
Chlorobromomethane	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)
Chloroethane	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)
Chloroform (Trichloromethane)	0.37	24	0.37	ND (0.002)	ND (0.0016)	ND (0.0016)	0.00038 J	ND (0.0015)	ND (0.0013)	0.00028 J	ND (0.0014)	ND (0.0015)
Chloromethane (Methyl Chloride)	NA	NA	NA	ND (0.0054)	ND (0.0042)	ND (0.0042)	ND (0.0046)	ND (0.0041)	ND (0.0036)	ND (0.005)	ND (0.0038)	ND (0.0041)
cis-1,2-Dichloroethene	0.19	41	0.19	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	ND (0.0012)	ND (0.00094)	ND (0.001)
cis-1,3-Dichloropropene	NA	NA	NA	ND (0.00067)	ND (0.00053)	ND (0.00052)	ND (0.00057)	ND (0.00051)	ND (0.00045)	ND (0.00062)	ND (0.00047)	ND (0.00052)
Cymene (p-Isopropyltoluene)	NA	NA	NA	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	0.0002 J	ND (0.0012)	ND (0.00094)	ND (0.001)
Dibromochloromethane	NA	NA	NA	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	ND (0.0012)	ND (0.00094)	ND (0.001)
Dibromomethane	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	ND (0.013)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.009)	ND (0.012)	ND (0.0094)	ND (0.01)
Ethyl Ether	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)
Ethylbenzene	1	76	1	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	0.0027	ND (0.0012)	ND (0.00094)	ND (0.001)
Hexachlorobutadiene	NA	NA	NA	ND (0.0054)	ND (0.0042)	ND (0.0042)	ND (0.0046)	ND (0.0041)	ND (0.0036)	ND (0.005)	ND (0.0038)	ND (0.0041)
Isopropylbenzene (Cumene)	NA	NA	NA	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	0.00035 J	ND (0.0012)	ND (0.00094)	ND (0.001)
m,p-Xylenes	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	0.014	ND (0.0025)	ND (0.0019)	ND (0.0021)
Methyl Tert Butyl Ether (MTBE)	0.1	100	0.1	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)
Methylene chloride (Dichloromethane)	0.05	81	0.05	ND (0.0067)	ND (0.0053)	ND (0.0052)	ND (0.0057)	ND (0.0051)	ND (0.0045)	ND (0.0062)	ND (0.0047)	ND (0.0052)
Naphthalene	12	100	12	ND (0.0054)	ND (0.0042)	ND (0.0042)	ND (0.0046)	ND (0.0041)	ND (0.0051)	ND (0.005)	ND (0.0038)	ND (0.0041)
n-Butylbenzene	18	100	18	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	ND (0.0012)	ND (0.00094)	ND (0.001)
n-Propylbenzene	5	100	5	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	0.00017 J	ND (0.0012)	ND (0.00094)	ND (0.001)
o-Xylene	NA	NA	NA	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	0.0094	ND (0.0012)	ND (0.00094)	ND (0.001)
Styrene	NA	NA	NA	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	ND (0.0012)	ND (0.00094)	ND (0.001)
tert-Butylbenzene	11	100	11	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)
Tetrachloroethene	1.3	18	1.3	ND (0.00067)	ND (0.00053)	ND (0.00052)	ND (0.00057)	ND (0.00051)	0.0011	ND (0.00062)	ND (0.00047)	ND (0.00052)
Toluene	0.7	100	0.7	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	0.0035	ND (0.0012)	ND (0.00094)	ND (0.001)
trans-1,2-Dichloroethene	0.19	100	0.19	ND (0.002)	ND (0.0016)	ND (0.0016)	ND (0.0017)	ND (0.0015)	ND (0.0013)	ND (0.0019)	ND (0.0014)	ND (0.0015)
trans-1,3-Dichloropropene	NA	NA	NA	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	ND (0.0012)	ND (0.00094)	ND (0.001)
trans-1,4-Dichloro-2-butene	NA	NA	NA	ND (0.0067)	ND (0.0053)	ND (0.0052)	ND (0.0057)	ND (0.0051)	ND (0.0045)	ND (0.0062)	ND (0.0047)	ND (0.0052)
Trichloroethene	0.47	6.4	0.47	ND (0.00067)	ND (0.00053)	ND (0.00052)	ND (0.00057)	ND (0.00051)	0.0013	0.00032 J	0.00062	0.00034 J
Trichlorofluoromethane (CFC-11)	NA	NA	NA	ND (0.0054)	ND (0.0042)	ND (0.0042)	ND (0.0046)	ND (0.0041)	ND (0.0036)	ND (0.005)	ND (0.0038)	ND (0.0041)
Vinyl acetate	NA	NA	NA	ND (0.013)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.009)	ND (0.012)	ND (0.0094)	ND (0.01)
Vinyl chloride	0.03	0.48	0.03	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	ND (0.0012)	ND (0.00094)	ND (0.001)
Xylene (Total)	1.2	100	0.26	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	0.023	ND (0.0012)	ND (0.00094)	ND (0.001)

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	RI-SB-14 RI-SB-14_0-2 02/16/2026 L2608462-09 0 - 2 (ft)	RI-SB-14 RI-SB-14_10-12 02/16/2026 L2608462-10 10 - 12 (ft)	RI-SB-14 RI-SB-14_20-22 02/16/2026 L2608462-11 20 - 22 (ft)	RI-SB-14 RI-SB-14_22-24 03/16/2026 L2614269-07 22 - 24 (ft)	RI-SB-15 RI-SB-15_0-2 02/16/2026 L2608462-12 0 - 2 (ft)	RI-SB-15 RI-SB-15_10-12 02/16/2026 L2608462-13 10 - 12 (ft)	RI-SB-15 RI-SB-15_20-22 02/16/2026 L2608462-14 20 - 22 (ft)	RI-SB-15 RI-SB-15_22-24 03/16/2026 L2614269-14 22 - 24 (ft)	RI-SB-15 RI-SB-15_24-26 03/16/2026 L2614269-15 24 - 26 (ft)	RI-SB-16 RI-SB-16_0-2 02/03/2026 L2605921-10 0 - 2 (ft)
Volatile Organic Compounds (mg/kg)										
1,1,1,2-Tetrachloroethane	ND (0.00052)	ND (0.00056)	ND (0.00054)	ND (0.00045)	ND (0.00052)	ND (0.00056)	ND (0.00059)	ND (0.00052)	ND (0.00051)	ND (0.00054)
1,1,1-Trichloroethane	ND (0.00052)	ND (0.00056)	0.00022 J	0.0018	ND (0.00052)	ND (0.00056)	ND (0.00059)	0.0017	0.0035	ND (0.00054)
1,1,2,2-Tetrachloroethane	ND (0.00052)	ND (0.00056)	ND (0.00054)	ND (0.00045)	ND (0.00052)	ND (0.00056)	ND (0.00059)	ND (0.00052)	ND (0.00051)	ND (0.00054)
1,1,2-Trichloroethane	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.001)	ND (0.0011)
1,1-Dichloroethane	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.001)	ND (0.0011)
1,1-Dichloroethene	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.001)	ND (0.0011)
1,1-Dichloropropene	ND (0.00052)	ND (0.00056)	ND (0.00054)	ND (0.00045)	ND (0.00052)	ND (0.00056)	ND (0.00059)	ND (0.00052)	ND (0.00051)	ND (0.00054)
1,2,3-Trichlorobenzene	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)	ND (0.002)	ND (0.0022)
1,2,3-Trichloropropane	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)	ND (0.002)	ND (0.0022)
1,2,4,5-Tetramethylbenzene	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018) J	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)	ND (0.002)	ND (0.0022)
1,2,4-Trichlorobenzene	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)	ND (0.002)	ND (0.0022)
1,2,4-Trimethylbenzene	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)	ND (0.002)	ND (0.0022)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.0031)	ND (0.0034)	ND (0.0033)	ND (0.0027)	ND (0.0031)	ND (0.0034)	ND (0.0035)	ND (0.0031)	ND (0.003)	ND (0.0032)
1,2-Dibromoethane (Ethylene Dibromide)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.001)	ND (0.0011)
1,2-Dichlorobenzene	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)	ND (0.002)	ND (0.0022)
1,2-Dichloroethane	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.001)	ND (0.0011)
1,2-Dichloroethene (total)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.001)	ND (0.0011)
1,2-Dichloropropane	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.001)	ND (0.0011)
1,3,5-Trimethylbenzene	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)	ND (0.002)	ND (0.0022)
1,3-Dichlorobenzene	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)	ND (0.002)	ND (0.0022)
1,3-Dichloropropane	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)	ND (0.002)	ND (0.0022)
1,3-Dichloropropene	ND (0.00052)	ND (0.00056)	ND (0.00054)	ND (0.00045)	ND (0.00052)	ND (0.00056)	ND (0.00059)	ND (0.00052)	ND (0.00051)	ND (0.00054)
1,4-Dichlorobenzene	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)	ND (0.002)	ND (0.0022)
1,4-Diethylbenzene	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)	ND (0.002)	ND (0.0022)
1,4-Dioxane	ND (0.083)	ND (0.089)	ND (0.087)	ND (0.072)	ND (0.084)	ND (0.09)	ND (0.094)	ND (0.084)	ND (0.081)	ND (0.087)
2,2-Dichloropropane	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)	ND (0.002)	ND (0.0022)
2-Butanone (Methyl Ethyl Ketone)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0091)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.01)	ND (0.01)	ND (0.011)
2-Chlorotoluene	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)	ND (0.002)	ND (0.0022)
2-Hexanone (Methyl Butyl Ketone)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0091)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.01)	ND (0.01)	ND (0.011)
2-Phenylbutane (sec-Butylbenzene)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.001)	ND (0.0011)
4-Chlorotoluene	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)	ND (0.002)	ND (0.0022)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)	ND (0.002)	ND (0.0022)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0091)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.01)	ND (0.01)	ND (0.011)
Acetone	ND (0.01)	ND (0.015)	0.029	ND (0.0091)	ND (0.01)	ND (0.011)	***0.045***	ND (0.01)	ND (0.01)	ND (0.011)
Acrylonitrile	ND (0.0041)	ND (0.0045)	ND (0.0043)	ND (0.0036)	ND (0.0042)	ND (0.0045)	ND (0.0047)	ND (0.0042)	ND (0.0041)	ND (0.0043)
Benzene	ND (0.00052)	0.00031 J	0.00027 J	ND (0.00045)	ND (0.00052)	0.00035 J	0.0022	ND (0.00052)	ND (0.00051)	ND (0.00054)
Bromobenzene	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)	ND (0.002)	ND (0.0022)
Bromodichloromethane	ND (0.00052)	ND (0.00056)	ND (0.00054)	ND (0.00045)	ND (0.00052)	ND (0.00056)	ND (0.00059)	ND (0.00052)	ND (0.00051)	ND (0.00054)
Bromoform	ND (0.0041)	ND (0.0045)	ND (0.0043)	ND (0.0036)	ND (0.0042)	ND (0.0045)	ND (0.0047)	ND (0.0042)	ND (0.0041)	ND (0.0043)
Bromomethane (Methyl Bromide)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)	ND (0.002)	ND (0.0022)
Carbon disulfide	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0091)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.01)	ND (0.01)	ND (0.011)
Carbon tetrachloride	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.001)	ND (0.0011)
Chlorobenzene	ND (0.00052)	ND (0.00056)	ND (0.00054)	ND (0.00045)	ND (0.00052)	ND (0.00056)	ND (0.00059)	ND (0.00052)	ND (0.00051)	ND (0.00054)
Chlorobromomethane	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)	ND (0.002)	ND (0.0022)
Chloroethane	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)	ND (0.002)	ND (0.0022)
Chloroform (Trichloromethane)	ND (0.0016)	ND (0.0017)	ND (0.0016)	ND (0.0014)	ND (0.0016)	ND (0.0017)	ND (0.0018)	ND (0.0016)	ND (0.0015)	ND (0.0016)
Chloromethane (Methyl Chloride)	ND (0.0041)	ND (0.0045)	ND (0.0043)	ND (0.0036)	ND (0.0042)	ND (0.0045)	ND (0.0047)	ND (0.0042)	ND (0.0041)	ND (0.0043)
cis-1,2-Dichloroethene	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.001)	ND (0.0011)
cis-1,3-Dichloropropene	ND (0.00052)	ND (0.00056)	ND (0.00054)	ND (0.00045)	ND (0.00052)	ND (0.00056)	ND (0.00059)	ND (0.00052)	ND (0.00051)	ND (0.00054)
Cymene (p-Isopropyltoluene)	0.00035 J	0.00046 J	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.001)	ND (0.0011)
Dibromochloromethane	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.001)	ND (0.0011)
Dibromomethane	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)	ND (0.002)	ND (0.0022)
Dichlorodifluoromethane (CFC-12)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0091)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.01)	ND (0.01)	ND (0.011)
Ethyl Ether	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)	ND (0.002)	ND (0.0022)
Ethylbenzene	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.001)	ND (0.0011)
Hexachlorobutadiene	ND (0.0041)	ND (0.0045)	ND (0.0043)	ND (0.0036)	ND (0.0042)	ND (0.0045)	ND (0.0047)	ND (0.0042)	ND (0.0041)	ND (0.0043)
Isopropylbenzene (Cumene)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.001)	ND (0.0011)
m,p-Xylenes	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)	ND (0.002)	ND (0.0022)
Methyl Tert Butyl Ether (MTBE)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)	ND (0.002)	ND (0.0022)
Methylene chloride (Dichloromethane)	ND (0.0052)	ND (0.0056)	ND (0.0054)	ND (0.0045)	ND (0.0052)	ND (0.0056)	ND (0.0059)	ND (0.0052)	ND (0.0051)	ND (0.0054)
Naphthalene	ND (0.0041)	0.0022 J	ND (0.0043)	ND (0.0036)	ND (0.0042)	0.0012 J	ND (0.0047)	ND (0.0042)	ND (0.0041)	ND (0.0043)
n-Butylbenzene	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.001)	ND (0.0011)
n-Propylbenzene	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.001)	ND (0.0011)
o-Xylene	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.001)	ND (0.0011)
Styrene	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.001)	ND (0.0011)
tert-Butylbenzene	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)	ND (0.002)	ND (0.0022)
Tetrachloroethene	ND (0.00052)	ND (0.00056)	ND (0.00054)	ND (0.00045)	ND (0.00052)	ND (0.00056)	0.0022	ND (0.00052)	ND (0.00051)	ND (0.00054)
Toluene	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	0.0011 J	ND (0.001)	ND (0.001)	ND (0.0011)
trans-1,2-Dichloroethene	ND (0.0016)	ND (0.0017)	ND (0.0016)	ND (0.0014)	ND (0.0016)	ND (0.0017)	ND (0.0018)	ND (0.0016)	ND (0.0015)	ND (0.0016)
trans-1,3-Dichloropropene	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.001)	ND (0.0011)
trans-1,4-Dichloro-2-butene	ND (0.0052)	ND (0.0056)	ND (0.0054)	ND (0.0045)	ND (0.0052)	ND (0.0056)	ND (0.0059)	ND (0.0052)	ND (0.0051)	ND (0.0054)
Trichloroethene	0.00023 J	0.001	0.00099	0.00073	ND (0.00052)	ND (0.00056)	0.00019 J	ND (0.00052)	ND (0.00051)	ND (0.00054)
Trichlorofluoromethane (CFC-11)	ND (0.0041)	ND (0.0045)	ND (0.0043)	ND (0.0036)	ND (0.0042)	ND (0.0045)	ND (0.0047)	ND (0.0042)	ND (0.0041)	ND (0.0043)
Vinyl acetate	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0091)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.01)	ND (0.01)	ND (0.011)
Vinyl chloride	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.001)	ND (0.0011)
Xylene (Total)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.001)	ND (0.0011)

TABLE III
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

Location Name	Criteria			RI-SB-11	RI-SB-12	RI-SB-12	RI-SB-12	RI-SB-13	RI-SB-13	RI-SB-13	RI-SB-13	RI-SB-13	RI-SB-14	RI-SB-14	RI-SB-14	RI-SB-14	RI-SB-15	RI-SB-15	RI-SB-15	RI-SB-15	RI-SB-15	RI-SB-16
Sample Name	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	RI-SB-11_11-13	RI-SB-12_0-2	RI-SB-12_3-5	RI-SB-12_10-12	RI-SB-13_0-2	RI-SB-13_10-12	RI-SB-13_20-22	RI-SB-13_22-24	DUP-01_20260316	RI-SB-14_0-2	RI-SB-14_10-12	RI-SB-14_20-22	RI-SB-14_22-24	RI-SB-15_0-2	RI-SB-15_10-12	RI-SB-15_20-22	RI-SB-15_22-24	RI-SB-15_24-26	RI-SB-16_0-2
Sample Date				02/05/2026	02/03/2026	02/03/2026	02/03/2026	02/12/2026	02/12/2026	02/12/2026	03/16/2026	03/16/2026	02/16/2026	02/16/2026	02/16/2026	03/16/2026	02/16/2026	02/16/2026	02/16/2026	03/16/2026	03/16/2026	02/03/2026
Lab Sample ID				L2606574-12	L2605921-04	L2605921-05	L2605921-06	L2607931-02	L2607931-03	L2607931-04	L2614269-11	L2614269-12	L2608462-09	L2608462-10	L2608462-11	L2614269-07	L2608462-12	L2608462-13	L2608462-14	L2614269-14	L2614269-15	L2605921-10
Sample Depth (bgs)	2025	2025	2025	11 - 13 (ft)	0 - 2 (ft)	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	22 - 24 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	24 - 26 (ft)	0 - 2 (ft)
Semi-Volatile Organic Compounds (mg/kg)																						
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19) J	ND (0.19) J	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19) J	ND (0.19) J	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
1,3-Dichlorobenzene	2.6	38	2.6	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19) J	ND (0.19) J	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
1,4-Dichlorobenzene	1.8	24	1.8	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19) J	ND (0.19) J	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
1,4-Dioxane	0.1	5.7	0.1	ND (0.026)	ND (0.027)	ND (0.027)	ND (0.026)	ND (0.028)	ND (0.029)	ND (0.029)	ND (0.026)	ND (0.025)	ND (0.028)	ND (0.03)	ND (0.028)	ND (0.031)	ND (0.028)	ND (0.027)	ND (0.033)	ND (0.029)	ND (0.029)	ND (0.028)
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.2)	ND (0.22)	ND (0.23)	ND (0.23)	ND (0.21)	ND (0.2)	ND (0.23)	ND (0.24)	ND (0.22)	ND (0.24)	ND (0.23)	ND (0.22)	ND (0.26)	ND (0.23)	ND (0.23)	ND (0.23)
2,4,5-Trichlorophenol	NA	NA	NA	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	0.22 R	ND (0.19)	ND (0.19)	ND (0.19)
2,4,6-Trichlorophenol	NA	NA	NA	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	0.13 R	ND (0.11)	ND (0.12)	ND (0.11)
2,4-Dichlorophenol	NA	NA	NA	ND (0.16) J	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.15)	ND (0.17)	ND (0.18)	ND (0.16)	ND (0.18)	ND (0.17)	ND (0.16)	ND (0.2)	ND (0.17)	ND (0.17)	ND (0.17)
2,4-Dimethylphenol	NA	NA	NA	ND (0.17) J	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
2,4-Dinitrophenol	NA	NA	NA	ND (0.84)	ND (0.86)	ND (0.85)	ND (0.82)	ND (0.88)	ND (0.93)	ND (0.92)	ND (0.83)	ND (0.81)	ND (0.91)	ND (0.98)	ND (0.88)	ND (0.98)	ND (0.91)	ND (0.88)	1 R	ND (0.92)	ND (0.93)	ND (0.91)
2,4-Dinitrotoluene	NA	NA	NA	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
2,6-Dinitrotoluene	NA	NA	NA	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
2-Chloronaphthalene	NA	NA	NA	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
2-Chlorophenol	NA	NA	NA	ND (0.17) J	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
2-Methylnaphthalene	NA	NA	NA	0.13 J	ND (0.21)	0.028 J	0.045 J	ND (0.22) J	ND (0.23)	ND (0.23)	ND (0.21)	ND (0.2)	0.033 J	0.051 J	0.036 J	ND (0.24)	ND (0.23)	ND (0.22)	0.037 J	ND (0.23)	ND (0.23)	0.093 J
2-Methylphenol (o-Cresol)	0.33	100	0.33	ND (0.17) J	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
2-Nitroaniline	NA	NA	NA	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
2-Nitrophenol	NA	NA	NA	ND (0.38) J	ND (0.39)	ND (0.38)	ND (0.37)	ND (0.4)	ND (0.42)	ND (0.42)	ND (0.37)	ND (0.36)	ND (0.41)	ND (0.44)	ND (0.4)	ND (0.44)	ND (0.41)	ND (0.39)	ND (0.47)	ND (0.41)	ND (0.42)	ND (0.41)
3&4-Methylphenol	NA	NA	NA	ND (0.25) J	ND (0.26)	0.074 J	ND (0.24)	0.047 J	0.058 J	ND (0.28)	ND (0.25)	ND (0.24)	ND (0.27)	ND (0.29)	ND (0.26)	ND (0.29)	ND (0.27)	ND (0.26)	ND (0.31)	ND (0.28)	ND (0.28)	ND (0.27)
3,3'-Dichlorobenzidine	NA	NA	NA	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
3-Nitroaniline	NA	NA	NA	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
4,6-Dinitro-2-methylphenol	NA	NA	NA	ND (0.45)	ND (0.46)	ND (0.46)	ND (0.44)	ND (0.48)	ND (0.5)	ND (0.5)	ND (0.45)	ND (0.44)	ND (0.49)	ND (0.53)	ND (0.48)	ND (0.53)	ND (0.49)	ND (0.47)	0.57 R	ND (0.5)	ND (0.5)	ND (0.49)
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	NA	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
4-Chloro-3-methylphenol	NA	NA	NA	ND (0.17) J	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
4-Chloroaniline	NA	NA	NA	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19) J	ND (0.19) J	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
4-Chlorophenyl phenyl ether	NA	NA	NA	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
4-Nitroaniline	NA	NA	NA	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
4-Nitrophenol	NA	NA	NA	ND (0.24)	ND (0.25)	ND (0.25)	ND (0.24)	ND (0.26)	ND (0.27)	ND (0.27)	ND (0.24)	ND (0.24)	ND (0.27)	ND (0.28)	ND (0.26)	ND (0.29)	ND (0.26)	ND (0.26)	0.3 R	ND (0.27)	ND (0.27)	ND (0.26)
Acenaphthene	98	100	20	0.039 J	ND (0.14)	ND (0.14)	0.14	ND (0.15) J	ND (0.15)	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.15)	0.12 J	0.074 J	ND (0.16)	0.026 J	ND (0.15)	0.036 J	ND (0.15)	ND (0.15)	0.29
Acenaphthylene	365	100	100	0.26	ND (0.14)	0.04 J	0.074 J	ND (0.15) J	ND (0.15)	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.17)	ND (0.15)	ND (0.15)	0.11 J
Acetophenone	NA	NA	NA	ND (0.17)	ND (0.18)	0.022 J	ND (0.17)	ND (0.18)	ND (0.19) J	ND (0.19) J	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
Anthracene	1000	100	100	0.45	ND (0.11)	0.075 J	0.39	ND (0.11) J	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.1)	0.05 J	0.15	0.11	ND (0.12)	0.094 J	0.043 J	0.1 J	0.076 J	ND (0.12)	0.96
Benzo(a)anthracene	1	1.4	1	***1.2***	0.098 J	0.27	0.75	0.11 J-	0.13	0.14	0.023 J+	ND (0.1)	0.21	0.32	0.27	ND (0.12)	0.3	0.13	0.44	0.26	0.13	***2.4***
Benzo(a)pyrene	22	1	1	1.4	0.096 J	0.25	0.71	0.083 J-	0.13 J	0.12 J	ND (0.14)	ND (0.14)	0.18	0.27	0.22	ND (0.16)	0.28	0.12 J	0.43	0.24	0.13 J	2.3
Benzo(b)fluoranthene	2.1	1.4	1	1.8	0.13	0.32	0.92	0.17 J-	0.21	0.2	ND (0.1)	ND (0.1)	0.23	0.36	0.29	ND (0.12)	0.36	0.15	0.58	0.27	0.16	***2.7***
Benzo(g,h,i)perylene	1000	4.9	0.64	0.8	0.092 J	0.15	0.5	0.093 J-	0.11 J	0.1 J	ND (0.14)	ND (0.14)	0.12 J	0.18	0.14 J	ND (0.16)	0.18	0.081 J	0.29	0.15	0.083 J	1.5
Benzo(k)fluoranthene	2	4.9	0.8	0.53	0.037 J	0.12	0.29	0.048 J-	0.069 J	0.053 J	ND (0.1)	ND (0.1)	0.079 J	0.13	0.087 J	ND (0.12)	0.12	0.044 J	0.2	0.092 J	0.055 J	0.81
Benzoic acid	NA	NA	NA	ND (0.56) J	0.58 R	ND (0.57)	0.55 R	ND (0.59)	ND (0.63)	0.2 J+	ND (0.56)	ND (0.55)	0.4 J	0.23 J	ND (0.6)	ND (0.66)	ND (0.61)	ND (0.59)	ND (0.71)	ND (0.62)	ND (0.63)	0.61 R
Benzyl Alcohol	NA	NA	NA	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19) J	ND (0.19) J	ND (0.17)	ND (0.17)	0.23	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
Biphenyl	NA	NA	NA	0.034 J	ND (0.41)	ND (0.4)	ND (0.39)	ND (0.42) J	ND (0.44)	ND (0.44)	ND (0.4)	ND (0.38)	ND (0.43)	ND (0.46)	ND (0.42)	ND (0.47)	ND (0.43)	ND (0.42)	ND (0.5)	ND (0.44)	ND (0.44)	0.04 J
bis(2-Chloroethoxy)methane	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.21) J	ND (0.21) J	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.22)	ND (0.2)	ND (0.22)	ND (0.2)	ND (0.2)	ND (0.24)	ND (0.21)	ND (0.21)	ND (0.2)
bis(2-Chloroethyl)ether	NA	NA	NA	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.17) J	ND (0.17) J	ND (0.16)	ND (0.15)	ND (0.17)	ND (0.18)	ND (0.16)	ND (0.18)	ND (0.17)	ND (0.16)	ND (0.2)	ND (0.17)	ND (0.17)	ND (0.17)
bis(2-Ethylhexyl)phthalate	NA	NA	NA	ND (0.17)	ND (0.18)	2.3	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	0.35	0.48	ND (0.19)	ND (0.19)	0.16 J
Butyl benzylphthalate (BBP)	NA	NA	NA	ND (0.17)	ND (0.18)	25	0.065 J	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
Carbazole	NA	NA	NA	0.046 J	ND (0.18)	0.028 J	0.11 J	ND (0.18) J	ND (0.19)	0.022 J	ND (0.17)	ND (0.17)	0.028 J	0.077 J	0.044 J	ND (0.2)	0.04 J	0.022 J	0.052 J	ND (0.19)	ND (0.19)	0.26
Chrysene	1	4.9	1	***1.3***	0.1 J	0.27	0.72	0.14 J-	0.16	0.17	0.02 J+	ND (0.1)	0.23	0.34	0.29	ND (0.12)	0.32	0.14	0.48	0.25	0.13	***2.4***
Dibenz(a,h)anthracene	1000	0.33	0.33	0.2	ND (0.11)	0.034 J	0.098 J	ND (0.11) J	0.026 J	0.022 J	ND (0.1)	ND (0.1)	0.03 J	0.041 J	0.034 J	ND (0.12)	0.041 J	ND (0.11)	0.066 J	0.03 J	ND (0.12)	0.32
Dibenzofuran	110	18	2.1	0.064 J	ND (0.18)	ND (0.18)	0.11 J	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	0.052 J	0.073 J	0.032 J	ND (0.2)	ND (0.19)	ND (0.18)	0.021 J	ND (0.19)	ND (0.19)	0.15 J
Diethyl phthalate	NA	NA	NA	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
Dimethyl phthalate	NA	NA	NA	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
Di-n-butylphthalate (DBP)	NA	NA	NA	ND (0.17)	ND (0.18)	0.047 J	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	12
Di-n-octyl phthalate (DnOP)	NA	NA	NA	ND (0.17)	ND (0.18)	1.6	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	0.084 J+	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
Fluoranthene	1000	100	85	1.5	0.18	0.46	1.8	0.19 J-	0.28	0.31	ND (0.1)	ND (0.1)	0.31	0.57	0.5	ND (0.12)	0.53	0.23	0.68	0.46	0.25	4.8
Fluorene	386	100	30	0.059 J	ND (0.18)	0.02 J	0.12 J	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	0.021 J	0.099 J	0.052 J	ND (0.2)	0.028 J	0.021 J	0.032 J	ND (0.19)	ND (0.19)	0.26
Hexachlorobenzene	3.2	0.33	0.33	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11) J	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.11)	ND (0.12)	ND (0.11)
Hexachlorobutadiene	NA	NA	NA	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19) J	ND (0.19) J	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
Hexachlorocyclopentadiene	NA	NA	NA	ND (0.5)	ND (0.51)	ND (0.51)	ND (0.49)	ND (0.52) J	ND (0.55)	ND (0.55)	ND (0.5)	ND (0.48)	ND (0.54)	ND (0.58)	ND (0.52)	ND (0.58)	ND (0.54)	ND (0.52)	ND (0.62)	ND (0.55)	ND (0.55)	ND (0.54)
Hexachloroethane	NA	NA	NA	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.15) J	ND (0.15) J	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.17)	ND (0.15)	ND (0.15)	ND (0.15)
Indeno(1,2,3-cd)pyrene	6.6	1.4	0.5	0.69	0.058 J	0.14	0.46	0.074 J-	0.1 J	0.087 J	ND (0.14)	ND (0.14)	0.11 J	0.17	0.14 J	ND (0.16)	0.16	0.075 J	0.28	0.13 J	0.08 J	1.3
Isophorone	NA	NA	NA	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.15)	ND (0.17)	ND (0.18)	ND (0.16)	ND (0.18)	ND (0.17)	ND (0.16)	ND (0.2)	ND (0.17)	ND (0.17)	ND (0.17)
Naphthalene	12	100	12	0.29	ND (0.18)	0.037 J	0.062 J	ND (0.18)	ND (0.19) J	ND (0.19) J	ND (0.17)	ND (0.17)	ND (0.19)	0.088 J	0.039 J	ND (0.2)	ND (0.19)	ND (0.18)	0.037 J	ND (0.19)	ND (0.19)	0.13 J
Nitrobenzene	0.08	1.8	0.08	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.17)	ND (0.17)	ND (0.035)	ND (0.034)	ND (0.17)	ND (0.18)	ND (0.16)	ND (0.041)	ND (0.17)	ND (0.16)	ND (0.2)	ND (0.038)	ND (0.039)	ND (0.17)
N-Nitrosodi-n-propylamine	NA	NA	NA	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19) J	ND (0.19) J	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
N-Nitrosodiphenylamine	NA	NA	NA	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.15) J	ND (0.15)	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.17)	ND (0.15)	ND (0.15)	ND (0.15)
Pentachlorophenol	0.8	1.3	0.8	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.15)	0.17 R	ND (0.15)	ND (0.15)	ND (0.15)
Phenanthrene	1000	4.9	1.1	0.42	0.089 J	0.23	1.5	0.11	0.16	0.27	ND (0.1)	ND (0.1)	0.25	0.57	0.5	ND (0.12)	0.38	0.18	0.43	0.38	0.15	4.2
Phenol	0.33	100	0.33	ND (0.17) J	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	0.045 J	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.19)
Pyrene	1000	100	64	1.7	0.18	0.42	1.5	0.16 J-	0.23	0.26	0.017 J+	ND (0.1)	0.27	0.49	0.46	ND (0.12)	0.47	0.21	0.57	0.54	0.23	4.9

TABLE III
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																					
Location Name	Restricted Use Soil Cleanup Objectives - Protection of Groundwater 2025	NY Part 375 Restricted Residential Use Soil Cleanup Objectives 2025	NY Part 375 Unrestricted Use Soil Cleanup Objectives 2025	RI-SB-11	RI-SB-12	RI-SB-12	RI-SB-12	RI-SB-13	RI-SB-13	RI-SB-13	RI-SB-13	RI-SB-13	RI-SB-14	RI-SB-14	RI-SB-14	RI-SB-14	RI-SB-15	RI-SB-15	RI-SB-15	RI-SB-15	RI-SB-15	RI-SB-16
Sample Name				RI-SB-11_11-13	RI-SB-12_0-2	RI-SB-12_3-5	RI-SB-12_10-12	RI-SB-13_0-2	RI-SB-13_10-12	RI-SB-13_20-22	RI-SB-13_22-24	DUP-01_20260316	RI-SB-14_0-2	RI-SB-14_10-12	RI-SB-14_20-22	RI-SB-14_22-24	RI-SB-15_0-2	RI-SB-15_10-12	RI-SB-15_20-22	RI-SB-15_22-24	RI-SB-15_24-26	RI-SB-16_0-2
Sample Date				02/05/2026	02/03/2026	02/03/2026	02/03/2026	02/12/2026	02/12/2026	02/12/2026	03/16/2026	03/16/2026	02/16/2026	02/16/2026	02/16/2026	03/16/2026	02/16/2026	02/16/2026	02/16/2026	03/16/2026	03/16/2026	02/03/2026
Lab Sample ID				L2606574-12	L2605921-04	L2605921-05	L2605921-06	L2607931-02	L2607931-03	L2607931-04	L2614269-11	L2614269-12	L2608462-09	L2608462-10	L2608462-11	L2614269-07	L2608462-12	L2608462-13	L2608462-14	L2614269-14	L2614269-15	L2605921-10
Sample Depth (bgs)				11 - 13 (ft)	0 - 2 (ft)	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	22 - 24 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	24 - 26 (ft)	0 - 2 (ft)
PFAS (mg/kg)																						
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	NA	NA	ND (0.000808)	ND (0.000788)	ND (0.000808)	ND (0.000807)	ND (0.000793)	ND (0.000789)	ND (0.0008)	ND (0.000796)	ND (0.000795)	ND (0.000802)	ND (0.000798)	ND (0.000797)	ND (0.000797)	ND (0.000792)	ND (0.00079)	ND (0.000794)	ND (0.000799)	ND (0.000791)	ND (0.000808)
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	NA	NA	ND (0.00505)	ND (0.00493)	ND (0.00505)	ND (0.00504)	ND (0.00496)	ND (0.00493)	ND (0.005)	ND (0.00497)	ND (0.00497)	ND (0.00501)	ND (0.00499)	ND (0.00498)	ND (0.00498)	ND (0.00495)	ND (0.00494)	ND (0.00496)	ND (0.00499)	ND (0.00494)	ND (0.00505)
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	NA	NA	ND (0.00505)	ND (0.00493)	ND (0.00505)	ND (0.00504)	ND (0.00496)	ND (0.00493)	ND (0.005)	ND (0.00497)	ND (0.00497)	ND (0.00501)	ND (0.00499)	ND (0.00498)	ND (0.00498)	ND (0.00495)	ND (0.00494)	ND (0.00496)	ND (0.00499)	ND (0.00494)	ND (0.00505)
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	NA	NA	ND (0.00101)	ND (0.000985)	ND (0.00101)	ND (0.00101)	ND (0.000991)	ND (0.000986)	ND (0.001)	ND (0.000995)	ND (0.000993)	ND (0.001)	ND (0.000998)	ND (0.000996)	ND (0.000996)	ND (0.00099)	ND (0.000988)	ND (0.000992)	ND (0.000998)	ND (0.000989)	ND (0.00101)
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	NA	NA	ND (0.000808)	ND (0.000788)	ND (0.000808)	ND (0.000807)	ND (0.000793)	ND (0.000789)	ND (0.0008)	ND (0.000796)	ND (0.000795)	ND (0.000802)	ND (0.000798)	ND (0.000797)	ND (0.000797)	ND (0.000792)	ND (0.00079)	ND (0.000794)	ND (0.000799)	ND (0.000791)	ND (0.000808)
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	NA	NA	ND (0.000808) J	ND (0.000788)	ND (0.000808)	ND (0.000807)	ND (0.000793)	ND (0.000789)	ND (0.0008)	ND (0.000796)	ND (0.000795)	ND (0.000802)	ND (0.000798)	ND (0.000797)	ND (0.000797)	ND (0.000792)	ND (0.00079)	ND (0.000794)	ND (0.000799)	ND (0.000791)	ND (0.000808)
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	NA	ND (0.000808) J	ND (0.000788)	ND (0.000808)	ND (0.000807)	ND (0.000793)	ND (0.000789)	ND (0.0008)	ND (0.000796)	ND (0.000795)	ND (0.000802)	ND (0.000798)	ND (0.000797)	ND (0.000797)	ND (0.000792)	ND (0.00079)	ND (0.000794)	ND (0.000799)	ND (0.000791)	ND (0.000808)
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	NA	ND (0.000808) J	ND (0.000788)	ND (0.000808)	ND (0.000807)	ND (0.000793)	ND (0.000789)	ND (0.0008)	ND (0.000796)	ND (0.000795)	ND (0.000802)	ND (0.000798)	ND (0.000797)	ND (0.000797)	ND (0.000792)	ND (0.00079)	ND (0.000794)	ND (0.000799)	ND (0.000791)	ND (0.000808)
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	NA	NA	ND (0.000808)	ND (0.000788)	ND (0.000808)	ND (0.000807)	ND (0.000793)	ND (0.000789)	ND (0.0008)	ND (0.000796)	ND (0.000795)	ND (0.000802)	ND (0.000798)	ND (0.000797)	ND (0.000797)	ND (0.000792)	ND (0.00079)	ND (0.000794)	ND (0.000799)	ND (0.000791)	ND (0.000808)
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	NA	NA	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.000202)
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	NA	NA	ND (0.000202)	ND (0.000197) J	ND (0.000202) J	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199) J	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199) J	ND (0.000198) J	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000198) J	ND (0.000202)
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	NA	NA	ND (0.00202)	ND (0.00197) J	ND (0.00202) J	ND (0.00202) J	ND (0.00198) J	ND (0.00197)	ND (0.002)	ND (0.00199) J	ND (0.00199) J	ND (0.002) J	ND (0.002)	ND (0.00199)	ND (0.00199) J	ND (0.00198) J	ND (0.00198) J	ND (0.00198) J	ND (0.002) J	ND (0.00198) J	ND (0.00202) J
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NA	NA	NA	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.000202)
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	NA	NA	ND (0.000202)	ND (0.000197) J	ND (0.000202) J	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199) J	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199) J	ND (0.000198) J	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000198) J	ND (0.000202)
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	NA	NA	ND (0.00202)	ND (0.00197) J	ND (0.00202)	ND (0.00202) J	ND (0.00198) J	ND (0.00197)	ND (0.002)	ND (0.00199) J	ND (0.00199) J	ND (0.002)	ND (0.002)	ND (0.00199)	ND (0.00199) J	ND (0.00198) J	ND (0.00198)	ND (0.00198)	ND (0.002) J	ND (0.00198) J	ND (0.00202) J
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	NA	NA	0.000404 R	ND (0.000394)	ND (0.000404)	ND (0.000404)	0.000396 R	0.000394 R	0.0004 R	ND (0.000398)	ND (0.000397)	ND (0.000401)	ND (0.000399)	ND (0.000399)	ND (0.000398)	ND (0.000396)	ND (0.000395)	ND (0.000397)	ND (0.000399)	ND (0.000396)	ND (0.000404)
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	NA	NA	ND (0.000404)	ND (0.000394)	ND (0.000404)	ND (0.000404)	ND (0.000396)	ND (0.000394)	ND (0.0004)	ND (0.000398)	ND (0.000397)	ND (0.000401)	ND (0.000399)	ND (0.000399)	ND (0.000398)	ND (0.000396)	ND (0.000395)	ND (0.000397)	ND (0.000399)	ND (0.000396)	ND (0.000404)
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	NA	NA	ND (0.000404)	ND (0.000394)	ND (0.000404)	ND (0.000404)	ND (0.000396)	ND (0.000394)	ND (0.0004)	ND (0.000398)	ND (0.000397)	ND (0.000401)	ND (0.000399)	ND (0.000399)	ND (0.000398)	ND (0.000396)	ND (0.000395)	ND (0.000397)	ND (0.000399)	ND (0.000396)	ND (0.000404)
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	NA	NA	ND (0.000808)	ND (0.000788)	ND (0.000808)	ND (0.000807)	ND (0.000793)	ND (0.000789)	ND (0.0008)	ND (0.000796)	ND (0.000795)	ND (0.000802)	ND (0.000798)	ND (0.000797)	ND (0.000797)	ND (0.000792)	ND (0.00079)	ND (0.000794)	ND (0.000799)	ND (0.000791)	ND (0.000808)
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	NA	NA	ND (0.000404)	ND (0.000394)	ND (0.000404)	ND (0.000404)	ND (0.000396)	ND (0.000394)	ND (0.0004)	ND (0.000398)	ND (0.000397)	ND (0.000401)	ND (0.000399)	ND (0.000399)	ND (0.000398)	ND (0.000396)	ND (0.000395)	ND (0.000397)	ND (0.000399)	ND (0.000396)	ND (0.000404)
Perfluorobutanesulfonic acid (PFBS)	NA	NA	NA	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.000202)
Perfluorobutanoic acid (PFBA)	NA	NA	NA	ND (0.000808)	ND (0.000788)	ND (0.000808)	ND (0.000807)	ND (0.000793)	ND (0.000789)	ND (0.0008)	ND (0.000796)	ND (0.000795)	ND (0.000802)	ND (0.000798)	ND (0.000797)	ND (0.000797)	ND (0.000792)	ND (0.00079)	ND (0.000794)	ND (0.000799)	ND (0.000791)	ND (0.000808)
Perfluorodecanesulfonic acid (PFDS)	NA	NA	NA	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.000202)
Perfluorodecanoic acid (PFDA)	NA	NA	NA	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	0.00007 J	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	0.000125 J	ND (0.0002)	ND (0.000198)	ND (0.000202)
Perfluorododecane sulfonic acid (PFDoDS)	NA	NA	NA	ND (0.000202)	ND (0.000197) J	ND (0.000202) J	ND (0.000202) J	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.000202) J
Perfluorododecanoic acid (PFDoDA)	NA	NA	NA	ND (0.000202) J	ND (0.000197) J	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.000202)
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	NA	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.000202)
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	0.000194 J	ND (0.0002)	ND (0.000198)	ND (0.000202)
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	NA	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	0.00006 J	ND (0.0002)	ND (0.000198)	ND (0.000202)
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	0.000938	ND (0.0002)	ND (0.000198)	ND (0.000202)
Perfluorononane sulfonic acid (PFNS)	NA	NA	NA	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.000202)
Perfluorononanoic acid (PFNA)	NA	NA	NA	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	0.000091 J	0.000038 J	ND (0.0002)	ND (0.000199)	ND (0.000199)	0.000102 J	0.000038 J	ND (0.000199)	ND (0.000199)	0.000067 J	ND (0.000198)	0.000069 J	ND (0.0002)	ND (0.000198)	ND (0.000202)
Perfluorooctane sulfonamide (PFOSA)	NA	NA	NA	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.000202)
Perfluorooctanesulfonic acid (PFOS)	0.001	0.044	0.00088	0.000331	0.000116 J	ND (0.000202)	0.000167 J	0.000585	0.000416	0.000174 J	ND (0.000199)	ND (0.000199)	0.000676	0.000279	0.000145 J	ND (0.000199)	0.000517	0.000403	0.000569	ND (0.0002)	ND (0.000198)	***0.00707***
Perfluorooctanoic acid (PFOA)	0.0008	0.033	0.00066	0.000172 J	0.000057 J	0.000044 J	0.000075 J	0.000218	0.000215	0.000106 J	ND (0.000199)	ND (0.000199)	0.000232	0.000225	0.000096 J	ND (0.000199)	0.000291	0.000247	0.000591	0.000052 J	ND (0.000198)	ND (0.000202)
Perfluoropentanesulfonic acid (PFPeS)	NA	NA	NA	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.000202)
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	ND (0.000404)	ND (0.000394)	ND (0.000404)	0.000097 J	ND (0.000396)	ND (0.000394)	ND (0.0004)	ND (0.000398)	ND (0.000397)	ND (0.000401)	ND (0.000399)	ND (0.000399)	ND (0.000398)	ND (0.000396)	ND (0.000395)	0.00139	0.000226 J	ND (0.000396)	ND (0.000404)
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	NA	ND (0.000202) J	ND (0.000197) J	ND (0.000202) J	ND (0.000202) J	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199) J	ND (0.000199) J	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199) J	ND (0.000198) J	ND (0.000198)	ND (0.000198)	ND (0.0002) J	ND (0.000198) J	ND (0.000202) J
Perfluorotridecanoic acid (PFTrDA)	NA	NA	NA	ND (0.000202) J	ND (0.000197) J	ND (0.000202) J	ND (0.000202) J	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199) J	ND (0.000199) J	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199) J	ND (0.000198) J	ND (0.000198)	ND (0.000198)	ND (0.0002) J	ND (0.000198) J	ND (0.000202) J
Perfluoroundecanoic acid (PFUnDA)	NA	NA	NA	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.000202)
Pesticides (mg/kg)																						
4,4'-DDD	14	5	0.0033	ND (0.00166)	ND (0.00176)	ND (0.0017)	ND (0.00163)	ND (0.00174)	ND (0.00187)	ND (0.00179)	ND (0.00171)	ND (0.00161)	ND (0.00175)	ND (0.00191)	ND (0.00173)	ND (0.00194)	0.00295	0.00164 J	ND (0.00209)	ND (0.00176)	ND (0.00184)	ND (0.00174)
4,4'-DDE	9.3	3.4	0.0033	0.0236	ND (0.00176)	ND (0.0017)	ND (0.00163)	0.00162 J	0.00298	0.00187	ND (0.00171)	ND (0.00161)	ND (0.00175)	0.00175 J	0.000881 J	ND (0.00194)	0.00149 J	0.00135 J	0.0167 J	ND (0.00176)	ND (0.00184)	ND (0.00174)
4,4'-DDT	135	3.8	0.0033	0.0834	ND (0.00176)	ND (0.0017)	ND (0.00163)	0.0134	0.0178	0.00993	ND (0.00171)	ND (0.00161)	0.00516 J	0.00704	0.00325	ND (0.00194)	0.00744	0.0046	0.0316 J	ND (0.00176)	ND (0.00184)	ND (0.00174)
Aldrin	0.19	0.044	0.0048	ND (0.00166)	ND (0.00176)	ND (0.0017)	ND (0.00163)	ND (0.00174)	ND (0.00187)	ND (0.00179)	ND (0.00171)	ND (0.00161)	ND (0.00175)	ND (0.00191)	ND (0.00173)	ND (0.00194)	ND (0.00181)	ND (0.00169)	ND (0.00209)	ND (0.00176)	ND (0.00184)	ND (0.00174)
alpha-BHC	0.02	0.18	0.02	ND (0.00069)	ND (0.000732)	ND (0.000708)	ND (0.00068)	ND (0.000727)	ND (0.000779)	ND (0.000746)	ND (0.000712)	ND (0.000672)	ND (0.00073)	ND (0.000798)	ND (0.00072)	ND (0.00081)	ND (0.000756)	ND (0.000706)	ND (0.000871)	ND (0.000734)	ND (0.000768)	ND (0.000727)
alpha-Chlordane (cis)	4.5	0.65	0.014	0.0731 J	ND (0.0022)	ND (0.00212)	ND (0.00204)	0.00622 J	0.00523 J	0.00284 J	ND (0.00213)	ND (0.00202)	0.0283 J	0.00435 J	0.00137 J	ND (0.00243)	0.00743 J	0.00304 J	0.00197 J	ND (0.0022)	ND (0.0023)	ND (0.00218)
beta-BHC	0.09	0.18	0.021	ND (0.00166)	ND (0.00176)	ND (0.0017)	ND (0.00163)	ND (0.00174)	ND (0.00187)	ND (0.00179)	ND (0.00171)	ND (0.00161)	ND (0.00175)	ND (0.00191)	ND (0.00173)	ND (0.00194)	ND (0.00181)	ND (0.00169)	ND (0.00209)	ND (0.00176)	ND (0.00184)	ND (0.00174)
Chlordane	NA	NA	NA	0.451	ND (0.0146)	ND (0.0142)	ND (0.0136)	0.0563	0.047	0.0236	ND (0.0142)	ND (0.0134)	0.42	0.0555	0.0158	ND (0.0162)	0.0797	0.0298	ND (0.0174)	ND (0.0147)	ND (0.0154)	ND (0.0145)
delta-BHC	0.1	100	0.04	ND (0.00166)	ND (0.00176)	ND (0.0017)	ND (0.00163)	ND (0.00174)	ND (0.00187)	ND (0.00179)	ND (0.00171)	ND (0.00161)	ND (0.00175)	ND (0.00191)	ND (0.00173)	ND (0.00194)	ND (0.00181)	ND (0.00169)	ND (0.00209)	ND (0.00176)	ND (0.00184)	ND (0.00174)
Dieldrin	0.1	0.075	0.005	0.027 J	ND (0.0011)	ND (0.00106)	ND (0.00102)	ND (0.00109)	ND (0.00117)	ND (0.00112)	ND (0.00107)	ND (0.00101)	ND (0.00109)	ND (0.0012)	ND (0.00108)	ND (0.00121)	ND (0.00113)	ND (0.00106)	ND (0.00131)	ND (0.0011)	ND (0.00115)	ND (0.00109)
Endosulfan I	65	35	4.3	ND (0.00166)	ND (0.00176)	ND (0.0017)	ND (0.00163)	ND (0.00174)	ND (0.00187)	ND (0.00179)	ND (0.00171)	ND (0.00161)	ND (0.00175)	ND (0.00191)	ND (0.00173)	ND (0.00194)	ND (0.00181)	ND (0.00169)	ND (0.00209)	ND (0.00176)	ND (0.00184)	ND (0.00174)
Endosulfan II	44	35	4.3	ND (0.00166)	ND (0.00176)	ND (0.0017)	ND (0.00163)	ND (0.00174)	ND (0.00187)	ND (0.00179)	ND (0.00171)	ND (0.00161)	ND (0.00175)	ND (0.00191)	ND (0.00173)	ND (0.00194)	ND (0.00181)	ND (0.00169)	ND (0.00209)	ND (0.00176)	ND (0.00184)	ND (0.00174)
Endosulfan sulfate	47	35	4.3	0.00444 J	ND (0.000732)	ND (0.000708)	ND (0.00068)	ND (0.000727)	ND (0.000779)	ND (0.000746)	ND (0.000712)	ND (0.000672)	ND (0.00073)	ND (0.000798)	ND (0.00072)	ND (0.00081)	ND (0.000756)	ND (0.000706)	ND (0.000871)	ND (0.000734)	ND (0.000768)	ND (0.000727)
Endrin	0.06	5.3	0.014	ND (0.00069)	ND (0.000732)	ND (0.000708)	ND (0.00068)	ND (0.000727)	ND (0.000779)	ND (0.000746)	ND (0.000712)	ND (0.000672)	ND (0.00073)	ND (0.000798)	ND (0.00072)	ND (0.00081)	ND (0.000756)	ND (0.000706)	ND (0.000871)	ND (0.000734)	ND (0.000768)	ND (0.000727)
Endrin aldehyde	NA	NA	NA	ND (0.00207)	ND (0.0022)	ND (0.00212)	ND (0.00204)	ND (0.00218)	ND (0.00234)	ND (0.00224)	ND (0.00213)	ND (0.00202)	ND (0.00219)	ND (0.00239)	ND (0.00216)	ND (0.00243)	ND (0.00227)	ND (0.00212)	ND (0.00261)	ND (0.0022)	ND (0.0023)	ND (0.00218)
Endrin ketone	NA	NA	NA	ND (0.00166)	ND (0.00176)	ND (0.0017)	ND (0.00163)	ND (0.00174)	ND (0.00187)	ND (0.00179)	ND (0.00171)	ND (0.00161)	ND (0.00175)	ND (0.00191)	ND (0.00173)	ND (0.00194)	ND (0.00181)	ND (0.00169)	ND (0.00209)	ND (0.00176)	ND (0.00184)	ND (0.00174)
gamma-BHC (Lindane)	0.05	0.21	0.025	ND (0.00069)	ND (0.000732)	ND (0.000708)	ND (0.00068)	ND (0.000727)	ND (0.000779)	ND (0.000746)	ND (0.000712)	ND (0.000672)	ND (0.00073)	ND (0.000798)	ND (0.00072)	ND (0.00081)	ND (0.000756)	ND (0.000706)	ND (0.000871)	ND (0.000734)	ND (0.000768)	ND (0.000727)
gamma-Chlordane (trans)	NA	NA	NA	0.0726	ND (0.0022)	ND (0.00212)	ND (0.00204)	0.00775	0.0072	0.00348	ND (0.00213)	ND (0.00202)	0.0376	0.00517 J	0.0024	ND (0.00243)	0.00856 J	0.0036	0.00522 J	ND (0.0022)	ND (0.0023)	ND (0.00218)
Heptachlor	0.38	0.53	0.013	ND (0.000828)	ND (0.000878)	ND (0.00085)	ND (0.000816)	ND (0.000872)	ND (0.000935)	ND (0.000895)	ND (0.000854)	ND (0.000806)	0.0138	ND (0.000957) J	ND (0.000864)	ND (0.000972)	0.000626 J	ND (0.000847)	ND (0.00104)	ND (0.000881)	ND (0.000922)	ND (0.000873)
Heptachlor epoxide	NA	NA	NA	0.0124 J	ND (0.00329)	ND (0.00319)	ND (0.00306)	ND (0.00327)	ND (0.00351)	ND (0.00336)	ND (0.0032)	ND (0.00302)	ND (0.00328)	ND (0.00359)	ND (0.00324)	ND (0.00364)	ND (0.0034)	ND (0.00318)	ND (0.00392)	ND (0.0033)	ND (0.00346)	ND (0.00327)
Methoxychlor	NA	NA	NA	ND (0.00311)	ND (0.00329)	ND (0.00319)	ND (0.00306)	ND (0.00327)	ND (0.00351)	ND (0.00336)	ND (0.0032)	ND (0.00302)	ND (0.00328)	ND (0.00359)	ND (0.00324)	ND (0.00364)	ND (0.0034)	ND (0.00318)	ND (0.00392)	ND (0.0033)	ND (0.00346)	ND (0.00327)
Toxaphene	NA	NA	NA	ND (0.0311)	ND (0.0329)	ND (0.0319)	ND (0.0306)	ND (0.0327)	ND (0.0351)	ND (0.0336)	ND (0.032)	ND (0.0302)	ND (0.0328)	ND (0.0359)	ND (0.0324)	ND (0.0364)	ND (0.034)	ND (0.0318)	ND (0.0392)	ND (0.033)	ND (0.0346)	ND (0.0327)
Polychlorinated Biphenyls (mg/kg)																						
Aroclor-1016 (PCB-1016)	NA	NA	NA	ND (0.251)	ND (0.0528)	ND (0.0531)	ND (0.0504)	ND (0.26)	ND (0.0588)	ND (0.0575)	ND (0.0526)	ND (0.0473)	ND (0.0547)	ND (0.0565)	ND (0.0537)	ND (0.057)	ND (0.0542)	ND (0.0516)	ND (0.061)	ND (0.0573)	ND (0.0578)	ND (0.274)
Aroclor-1221 (PCB-1221)	NA	NA	NA	ND (0.251)	ND (0.0528)	ND (0.0531)	ND (0.0504)	ND (0.26)	ND (0.0588)	ND (0.0575)	ND (0.0526)	ND (0.0473)	ND (0.0547)	ND (0.0565)	ND (0.0537)	ND (0.057)	ND (0.0542)	ND (0.0516)	ND (0.061)	ND (0.0573)	ND (0.0578)	ND (0.274)
Aroclor-1232 (PCB-1232)	NA	NA	NA	ND (0.251)	ND (0.0528)	ND (0.0531)	ND (0.0504)	ND (0.26)	ND (0.0588)	ND (0.0575)	ND (0.0526)	ND (0.0473)	ND (0.0547)	ND (0.0565)	ND (0.0537)	ND (0.057)	ND (0.0542)	ND (0.0516)	ND (0.061)	ND (0.0573)	ND (0.0578)	ND (0.274)
Aroclor-1242 (PCB-1242)	NA	NA	NA	ND (0.251)	ND (0.0528)	ND (0.0531)	ND (0.0504)	ND (0.26)	ND (0.0588)	ND (0.0575)	ND (0.0526)	ND (0.0473)	ND (0.0547)	ND (0.0565)	ND (0.0537)	ND (0.057)	ND (0.0542)	ND (0.0516)	ND (0.061)	ND (0.0573)	ND (0.0578)	ND (0.274)
Aroclor-1248 (PCB-1248)	NA	NA	NA	2.55	ND (0.0528)	ND (0.0531)	ND (0.0504)	ND (0.26)	0.0394 J	ND (0.0575)	ND (0.0526)	ND (0.0473)	0.141	ND (0.0565)	ND (0.0537)	0.0244 J	0.0251 J	0.018 J	0.111	ND (0.0573)	ND (0.0578)	ND (0.274)
Aroclor-1254 (PCB-1254)	NA	NA	NA	ND (0.251)	ND (0.0528)	ND (0.0531)	ND (0.0504)	ND (0.26)	0.0566 J	ND (0.0575)	ND (0.0526)	ND (0.0473)	0.158 J	0.0537 J	0.0185 J	ND (0.057)	0.044 J	0.0278 J	0.206	ND (0.0573)	ND (0.0578)	2.98
Aroclor-1260 (PCB-1260)	NA	NA	NA	ND (0.251)	0.0108 J	ND (0.0531)	ND (0.0504)	ND (0.26)	ND (0.0588)	0.759	ND (0.0526)	ND (0.0473)	ND (0.0547)	0.172	0.13	ND (0.057)	0.0887	0.109	ND (0.061)	ND (0.0573)	ND (0.0578)	ND (0.274)
Aroclor-1262 (PCB-1262)	NA	NA	NA	ND (0.251)	ND (0.0528)	ND (0.0531)	ND (0.0504)	ND (0.26)	ND (0.0588)	ND (0.0575)	ND (0.0526)	ND (0.0473)	ND (0.0547)	ND (0.0565)	ND (0.0537)	ND (0.057)	ND (0.0542)	ND (0.0516)	ND (0.061)	ND (0.0573)	ND (0.0578)	ND (0.274)
Aroclor-1268 (PCB-1268)	NA	NA	NA	ND (0.251)	0.00907 J	ND (0.0531)	ND (0.0504)	1.58	0.143	ND (0.0575)	ND (0.0526)	ND (0.0473)	0.308	0.19	0.194	ND (0.057)	0.0931	0.137	0.0958	ND (0.0573)	ND (0.0578)	ND (0.274)
Polychlorinated biphenyls (PCBs)	3.2	1	0.1	2.55	0.0199 J	ND (0.0531)	ND (0.0504)	1.58	0.239 J	0.759	ND (0.0526)	ND (0.0473)	0.607	0.416 J	0.343 J	0.0244 J	0.251 J	0.292 J	0.413	ND (0.0573)	ND (0.0578)	2.98

TABLE III
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

Location Name / Sample Name / Sample Date / Lab Sample ID / Sample Depth (bgs)	Criteria: Restricted Use Soil Cleanup Objectives - Protection of Groundwater 2025	Criteria: NY Part 375 Restricted Residential Use Soil Cleanup Objectives 2025	Criteria: NY Part 375 Unrestricted Use Soil Cleanup Objectives 2025	RI-SB-11 RI-SB-11_11-13 02/05/2026 L2606574-12 11 - 13 (ft)	RI-SB-12 RI-SB-12_0-2 02/03/2026 L2605921-04 0 - 2 (ft)	RI-SB-12 RI-SB-12_3-5 02/03/2026 L2605921-05 3 - 5 (ft)	RI-SB-12 RI-SB-12_10-12 02/03/2026 L2605921-06 10 - 12 (ft)	RI-SB-13 RI-SB-13_0-2 02/12/2026 L2607931-02 0 - 2 (ft)	RI-SB-13 RI-SB-13_10-12 02/12/2026 L2607931-03 10 - 12 (ft)	RI-SB-13 RI-SB-13_20-22 02/12/2026 L2607931-04 20 - 22 (ft)	RI-SB-13 RI-SB-13_22-24 03/16/2026 L2614269-11 22 - 24 (ft)	RI-SB-13 DUP-01_20260316 03/16/2026 L2614269-12 22 - 24 (ft)	RI-SB-14 RI-SB-14_0-2 02/16/2026 L2608462-09 0 - 2 (ft)	RI-SB-14 RI-SB-14_10-12 02/16/2026 L2608462-10 10 - 12 (ft)	RI-SB-14 RI-SB-14_20-22 02/16/2026 L2608462-11 20 - 22 (ft)	RI-SB-14 RI-SB-14_22-24 03/16/2026 L2614269-07 22 - 24 (ft)	RI-SB-15 RI-SB-15_0-2 02/16/2026 L2608462-12 0 - 2 (ft)	RI-SB-15 RI-SB-15_10-12 02/16/2026 L2608462-13 10 - 12 (ft)	RI-SB-15 RI-SB-15_20-22 02/16/2026 L2608462-14 20 - 22 (ft)	RI-SB-15 RI-SB-15_22-24 03/16/2026 L2614269-14 22 - 24 (ft)	RI-SB-15 RI-SB-15_24-26 03/16/2026 L2614269-15 24 - 26 (ft)	RI-SB-16 RI-SB-16_0-2 02/03/2026 L2605921-10 0 - 2 (ft)
Inorganic Compounds (mg/kg)																							
Aluminum	NA	NA	NA	4980	8030	6140	8480	8980	8170	8050	5370 J	11500 J	8120	10200	8370	9920	8050	8200	7660	8320	9010	6600
Antimony	NA	NA	NA	ND (4.2) J	ND (4.21) J	ND (4.17) J	ND (4.02) J	ND (4.38)	ND (4.62)	ND (4.55)	ND (8.3)	ND (3.96)	ND (4.47)	ND (4.76)	ND (4.41)	ND (4.9)	ND (4.37)	ND (4.15)	ND (5.11)	ND (4.52)	ND (4.47)	ND (4.49) J
Arsenic	16	16	13	2.03 J-	3.16	2.72	1.71	3.55	4.06	3.52	0.951 J	0.411 J	3.76	4	2.81	1.16	3.28	3.84	3.45	3.43	1.94	2.08
Barium	820	410	410	35	44.4	46.4	42.2	77.7	83.8	88.3	60.2 J	120 J	60.6	91.4	62.3	88.9	62.9	60.2	71.3	60.4	65	33.6
Beryllium	47	43	4.4	0.204 J	0.203 J	0.201 J	0.217 J	0.188 J	0.194 J	0.187 J	0.108 J	ND (0.396)	0.346 J	0.469 J	0.401 J	0.3 J	0.314 J	0.318 J	0.359 J	0.268 J	0.199 J	0.333 J
Cadmium	7.5	2.5	2.5	ND (0.841)	ND (0.842)	ND (0.834)	ND (0.803)	0.205 J	0.152 J	ND (0.91)	ND (1.66)	ND (0.791)	0.225 J	0.329 J	0.17 J	ND (0.98)	0.181 J	0.071 J	ND (1.02)	0.277 J	0.147 J	0.172 J
Calcium	NA	NA	NA	37400	30600	24900	2450	6660	14900	21400	111000 J	32700 J	7970	12400	9750	29100	9910	19600	58400	8520	7560	6050
Chromium	NA	NA	NA	10.3 J-	17.2	14.1	27.4	20.3	24.7	27.9	6.01 J	18.2 J	18.6	51.3	25.9	20	18.5	23.6	26.1	30.9	21.8	19.9
Chromium VI (Hexavalent)	19	1	1	0.245 J	1.81	ND (0.856)	ND (0.839)	0.247 J	0.274 J	ND (0.928)	ND (0.856)	ND (0.826)	ND (0.914)	ND (0.982)	ND (0.889)	ND (0.984)	ND (0.911)	ND (0.877)	ND (1.06)	ND (0.918)	ND (0.933)	0.207 J
Cobalt	NA	NA	NA	4.36	6.23	5.65	6.97	7.92	7.06	7.22	7.15 J	14.4 J	6.1	8.79	13.6	9.02	6.52	7.3	16.9	9.09	8.19	5.23
Copper	1720	280	50	51 J-	28.8	33.8	15.1	31.3	65.9	49.4	24.8	37.8	34.4	62.7	50.7	21.8	35.3	37.2	37.9	126	60.2	45.8
Iron	NA	NA	NA	10600	14400	12500	13400	18400	19000	15800	10800 J	20500 J	13800	19300	16000	16900	14000	14900	13300	33100	15800	11300
Lead	450	400	63	31.9 J-	17.5 J-	40.8 J-	5.64 J-	71.4	109	56.4	1.28 J	3.31 J	92.8	135	57.2	4.9	77.1	61.4	63.4	35.4	22	13 J-
Magnesium	NA	NA	NA	22500	10200	5540	4690	5450	5910	9450	60900 J	26900 J	4550	8240	7120	16700	7020	10900	11500	6290	5980	5150
Manganese	2000	2000	1600	199	191	279	327	259	299	311	125	105	290	355	292	380	279	286	229	431	282	356
Mercury	0.73	0.3	0.18	0.1	ND (0.087)	0.06 J	ND (0.085)	0.353	0.079 J	ND (0.088)	ND (0.07)	ND (0.082)	0.109	0.097	ND (0.091)	ND (0.094)	0.093	0.055 J	0.14	ND (0.08)	ND (0.074)	ND (0.09)
Nickel	130	320	30	9.91	14.6	12.8	15.9	18.8	24.2	16.1	8.82 J	19 J	16.5	30.1	17.2	18.3	16.5	16.8	13.9	32.6	17.1	16.3
Potassium	NA	NA	NA	772 J-	1260	1040	2240	2830	1920	2480	2020 J	4220 J	1210	2420	2060	3700	1530	1760	1560	1870	2410	817
Selenium	4	110	3.9	ND (1.68)	ND (1.68)	ND (1.67)	ND (1.61)	ND (1.75)	ND (1.85)	ND (1.82)	ND (3.32)	ND (1.58)	ND (1.79)	ND (1.9)	ND (1.76)	ND (1.96)	ND (1.75)	ND (1.66)	0.976 J	ND (1.81)	ND (1.79)	ND (1.8)
Silver	8.3	110	2	ND (0.42)	ND (0.421)	ND (0.417)	ND (0.402)	0.524	0.907	1.3	ND (0.83)	ND (0.396)	ND (0.447)	0.637	1.55	ND (0.49)	ND (0.437)	2.01	2.19	ND (0.452)	0.813	ND (0.449)
Sodium	NA	NA	NA	ND (168)	554	246	91.3 J	ND (175)	174 J	277	ND (332)	174	ND (179)	176 J	338	227	93.8 J	189	491	166 J	163 J	164 J
Thallium	NA	NA	NA	ND (1.68)	ND (1.68)	ND (1.67)	ND (1.61)	ND (1.75)	ND (1.85)	ND (1.82)	ND (3.32)	ND (1.58)	ND (1.79)	ND (1.9)	ND (1.76)	ND (1.96)	ND (1.75)	ND (1.66)	ND (2.04)	ND (1.81)	ND (1.79)	ND (1.8)
Vanadium	NA	NA	NA	22.2 J-	25.4	21.7	24.1	27.2	27.3	26.7	27 J	57.1 J	24.3	31.8	27.7	29	25.8	28.6	21	23.6	25.5	17
Zinc	2480	6600	109	30.1 J-	44.8 J-	83.3 J-	40.4 J-	125	130	92.8	24.9 J	47.7 J	108	259	299	50.1	179	90.3	311	54.4	54.4	37.1 J-
TCLP Inorganic Compounds (mg/L)																							
Lead	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other																							
Total Solids (%)	NA	NA	NA	93.8	90.6	93.4	95.3	88.9	83.8	86.2	93.5	96.8	87.5	81.5	90	81.3	87.8	91.2	75.5	87.1	85.7	86.8
Cyanide (mg/kg)	40	13	2.3	1.8 J-	ND (1.1) J	ND (1) J	ND (1) J	ND (1.1) J	ND (1.1) J	ND (1.1) J	ND (1)	ND (0.97)	ND (1.1) J	0.29 J-	0.26 J-	ND (1.2)	ND (1.1) J	ND (1) J	ND (1.3) J	ND (1.1)	ND (1.1)	ND (1.1) J

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram
mg/L: milligram per liter
-: Not Analyzed
B: Compound was found in the blank and the associated sample.
bgs: below ground surface
F: Results are considered to be an estimated maximum concentration
ft: feet
I: The lower value for the two columns has been reported due to obvious interference.
J-: Value is estimated, low bias.
J: Value is estimated.
J+: Value is estimated, high bias.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
P: The RPD between the results for the two columns exceeds the method-specified criteria.
R: Rejected

- 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.
- ***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 Use Residential Soil Cleanup Objectives.

TABLE III
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																				
Location Name	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	RI-SB-16	RI-SB-16	RI-SB-17	RI-SB-17	RI-SB-17	RI-SB-17	RI-SB-18	RI-SB-18	RI-SB-18	RI-SB-19	RI-SB-19	RI-SB-19	RI-SB-20	RI-SB-20	RI-SB-20	RI-SB-20	SB-103	SB-103	SB-103
Sample Name				RI-SB-16_3-5	RI-SB-16_10-12	RI-SB-17_0-2	RI-SB-17_10-12	RI-SB-17_20-22	RI-SB-17_22-24	RI-SB-18_0-2	RI-SB-18_14-16	RI-SB-18_20-22	RI-SB-19_0-2	RI-SB-19_7-9	RI-SB-19_10-12	RI-SB-20_0-2	DUP-03_20260205	RI-SB-20_8-10	RI-SB-20_11-13	SB-103_0-2_RS	DUP-02_20260316	SB-103_3-5_RS
Sample Date				02/03/2026	02/03/2026	02/16/2026	02/16/2026	02/16/2026	03/16/2026	02/16/2026	02/16/2026	02/16/2026	02/06/2026	02/06/2026	02/06/2026	02/05/2026	02/05/2026	02/05/2026	02/05/2026	03/16/2026	03/16/2026	03/16/2026
Lab Sample ID				L2605921-11	L2605921-12	L2608462-03	L2608462-04	L2608462-05	L2614269-05	L2608462-06	L2608462-07	L2608462-08	L2606929-02	L2606929-03	L2606929-04	L2606574-06	L2606574-07	L2606574-08	L2606574-09	L2614270-06	L2614270-07	L2614270-08
Sample Depth (bgs)	2025	2025	2025	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 2 (ft)	14 - 16 (ft)	20 - 22 (ft)	0 - 2 (ft)	7 - 9 (ft)	10 - 12 (ft)	0 - 2 (ft)	0 - 2 (ft)	8 - 10 (ft)	11 - 13 (ft)	0 - 2 (ft)	0 - 2 (ft)	3 - 5 (ft)
Volatile Organic Compounds (mg/kg)																						
1,1,1,2-Tetrachloroethane	NA	NA	NA	ND (0.00069) J	ND (0.00075)	ND (0.0005)	ND (0.00054)	ND (0.00064)	ND (0.00053)	ND (0.00057)	ND (0.086)	ND (0.00053)	ND (0.0012) J	ND (0.0007)	ND (0.00049)	ND (0.0006)	ND (0.00081)	ND (0.00087)	ND (0.00056)	-	-	-
1,1,1-Trichloroethane	0.68	100	0.68	ND (0.00069)	ND (0.00075)	ND (0.0005)	ND (0.00054)	0.011	0.0033	ND (0.00057)	0.26	0.00033 J	ND (0.0012)	ND (0.0007)	ND (0.00049)	ND (0.0006)	ND (0.00081)	ND (0.00087)	ND (0.00056)	ND (0.032)	ND (0.031)	ND (0.027)
1,1,2,2-Tetrachloroethane	NA	NA	NA	ND (0.00069) J	ND (0.00075)	ND (0.0005)	ND (0.00054)	ND (0.00064)	ND (0.00053)	ND (0.00057)	ND (0.086)	ND (0.00053)	ND (0.0012) J	ND (0.0007)	ND (0.00049)	ND (0.0006)	ND (0.00081)	ND (0.00087)	ND (0.00056)	-	-	-
1,1,2-Trichloroethane	NA	NA	NA	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024)	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-	-	-
1,1-Dichloroethane	0.27	47	0.27	ND (0.0014)	ND (0.0015)	ND (0.001)	ND (0.0011)	0.016	0.00021 J	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024)	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-	-	-
1,1-Dichloroethene	0.33	0.98	0.24	ND (0.0014)	ND (0.0015)	ND (0.001)	ND (0.0011)	0.00053 J	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024)	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	ND (0.064)	ND (0.062)	ND (0.054)
1,1-Dichloropropene	NA	NA	NA	ND (0.00069) J	ND (0.00075)	ND (0.0005)	ND (0.00054)	ND (0.00064)	ND (0.00053)	ND (0.00057)	ND (0.086)	ND (0.00053)	ND (0.0012)	ND (0.0007)	ND (0.00049)	ND (0.0006)	ND (0.00081)	ND (0.00087)	ND (0.00056)	-	-	-
1,2,3-Trichlorobenzene	NA	NA	NA	0.0028 R	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	0.0049 R	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-	-	-
1,2,3-Trichloropropane	NA	NA	NA	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049) J	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-	-	-
1,2,4,5-Tetramethylbenzene	NA	NA	NA	0.0028 R	ND (0.003)	ND (0.002)	ND (0.0021)	0.0008 J	ND (0.0021) J	ND (0.0023)	0.047 J	0.00028 J	ND (0.0049) J	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-	-	-
1,2,4-Trichlorobenzene	NA	NA	NA	0.0028 R	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	0.0049 R	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-	-	-
1,2,4-Trimethylbenzene	5.9	100	5.9	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	0.00068 J	ND (0.0021)	ND (0.0023)	0.12 J	0.00057 J	ND (0.0049) J	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	ND (0.0041) J	ND (0.0045)	ND (0.003)	ND (0.0032)	ND (0.0038)	ND (0.0032)	ND (0.0034)	ND (0.52)	ND (0.0032)	ND (0.0074) J	ND (0.0042)	ND (0.003)	ND (0.0036)	ND (0.0049)	ND (0.0052)	ND (0.0033)	-	-	-
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024)	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-	-	-
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049) J	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-	-	-
1,2-Dichloroethane	0.02	5.8	0.02	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024)	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-	-	-
1,2-Dichloroethene (total)	NA	NA	NA	ND (0.0014)	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024)	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-	-	-
1,2-Dichloropropane	NA	NA	NA	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024)	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-	-	-
1,3,5-Trimethylbenzene	3.1	100	3.1	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	0.0004 J	ND (0.0021)	ND (0.0023)	0.096 J	ND (0.0021)	ND (0.0049) J	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-	-	-
1,3-Dichlorobenzene	2.6	38	2.6	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049) J	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-	-	-
1,3-Dichloropropane	NA	NA	NA	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049)	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-	-	-
1,3-Dichloropropene	NA	NA	NA	ND (0.00069)	ND (0.00075)	ND (0.0005)	ND (0.00054)	ND (0.00064)	ND (0.00053)	ND (0.00057)	ND (0.086)	ND (0.00053)	ND (0.0012)	ND (0.0007)	ND (0.00049)	ND (0.0006)	ND (0.00081)	ND (0.00087)	ND (0.00056)	-	-	-
1,4-Dichlorobenzene	1.8	24	1.8	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049) J	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-	-	-
1,4-Diethylbenzene	NA	NA	NA	0.0028 R	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	0.23 J	ND (0.0021)	ND (0.0049)	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-	-	-
1,4-Dioxane	0.1	5.7	0.1	ND (0.11)	ND (0.12)	ND (0.08)	ND (0.086)	ND (0.1)	ND (0.085)	ND (0.091)	ND (14)	ND (0.084)	ND (0.2)	ND (0.11)	ND (0.079)	ND (0.096)	ND (0.13)	ND (0.14)	ND (0.089)	-	-	-
2,2-Dichloropropane	NA	NA	NA	ND (0.0028)	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049)	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-	-	-
2-Butanone (Methyl Ethyl Ketone)	0.1	100	0.1	ND (0.014)	ND (0.015)	ND (0.01)	ND (0.011)	ND (0.013)	ND (0.011)	ND (0.011)	ND (1.7)	ND (0.01)	ND (0.024) J	ND (0.014)	ND (0.0099) J	ND (0.012)	ND (0.016)	ND (0.017)	0.008 J	-	-	-
2-Chlorotoluene	NA	NA	NA	0.0028 R	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049) J	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-	-	-
2-Hexanone (Methyl Butyl Ketone)	NA	NA	NA	ND (0.014) J	ND (0.015)	ND (0.01)	ND (0.011)	ND (0.013)	ND (0.011)	ND (0.011)	ND (1.7)	ND (0.01)	ND (0.024) J	ND (0.014)	ND (0.0099)	ND (0.012)	ND (0.016)	ND (0.017)	ND (0.011)	-	-	-
2-Phenylbutane (sec-Butylbenzene)	25	100	25	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	0.00026 J	ND (0.0024) J	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-	-	-
4-Chlorotoluene	NA	NA	NA	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049) J	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-	-	-
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	NA	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049) J	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	ND (0.014) J	ND (0.015)	ND (0.01)	ND (0.011)	ND (0.013)	ND (0.011)	ND (0.011)	ND (1.7)	ND (0.01)	ND (0.024)	ND (0.014)	ND (0.0099)	ND (0.012)	ND (0.016)	ND (0.017)	ND (0.011)	-	-	-
Acetone	0.03	100	0.03	0.028 J	ND (0.015)	ND (0.016)	ND (0.013)	***0.055***	ND (0.011)	ND (0.011)	ND (1.7)	ND (0.022)	ND (0.024)	ND (0.014)	ND (0.0099)	ND (0.012)	ND (0.016)	ND (0.017)	0.03	-	-	-
Acrylonitrile	NA	NA	NA	ND (0.0055) J	ND (0.006)	ND (0.004)	ND (0.0043)	ND (0.0051)	ND (0.0043)	ND (0.0046)	ND (0.69)	ND (0.0042)	ND (0.0098) J	ND (0.0056)	ND (0.004)	ND (0.0048)	ND (0.0065)	ND (0.007)	ND (0.0045)	-	-	-
Benzene	0.06	3.7	0.06	ND (0.00069) J	ND (0.00075)	ND (0.0005)	0.00035 J	0.00071	ND (0.00053)	ND (0.00057)	ND (0.086)	0.00027 J	ND (0.0012)	ND (0.0007)	0.00026 J	ND (0.0006)	ND (0.00081)	ND (0.00087)	ND (0.00056)	-	-	-
Bromobenzene	NA	NA	NA	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049) J	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-	-	-
Bromodichloromethane	NA	NA	NA	ND (0.00069) J	ND (0.00075)	ND (0.0005)	ND (0.00054)	ND (0.00064)	ND (0.00053)	ND (0.00057)	ND (0.086)	ND (0.00053)	ND (0.0012)	ND (0.0007)	ND (0.00049)	ND (0.0006)	ND (0.00081)	ND (0.00087)	ND (0.00056)	-	-	-
Bromoform	NA	NA	NA	ND (0.0055) J	ND (0.006)	ND (0.004)	ND (0.0043)	ND (0.0051)	ND (0.0043)	ND (0.0046)	ND (0.69)	ND (0.0042)	ND (0.0098) J	ND (0.0056)	ND (0.004)	ND (0.0048)	ND (0.0065)	ND (0.007)	ND (0.0045)	-	-	-
Bromomethane (Methyl Bromide)	NA	NA	NA	ND (0.0028)	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049)	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-	-	-
Carbon disulfide	NA	NA	NA	ND (0.014) J	ND (0.015)	ND (0.01)	ND (0.011)	ND (0.013)	ND (0.011)	ND (0.011)	ND (1.7)	ND (0.01)	ND (0.024)	ND (0.014)	ND (0.0099)	ND (0.012)	ND (0.016)	ND (0.017)	ND (0.011)	-	-	-
Carbon tetrachloride	0.76	7.1	0.76	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024)	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	ND (0.064)	ND (0.062)	ND (0.054)
Chlorobenzene	4.5	100	4.5	ND (0.00069) J	ND (0.00075)	ND (0.0005)	ND (0.00054)	ND (0.00064)	ND (0.00053)	ND (0.00057)	ND (0.086)	ND (0.00053)	ND (0.0012) J	ND (0.0007)	ND (0.00049)	ND (0.0006)	ND (0.00081)	ND (0.00087)	ND (0.00056)	-	-	-
Chlorobromomethane	NA	NA	NA	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049)	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-	-	-
Chloroethane	NA	NA	NA	ND (0.0028)	ND (0.003)	ND (0.002)	ND (0.0021)	0.0018 J	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049)	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-	-	-
Chloroform (Trichloromethane)	0.37	24	0.37	ND (0.0021) J	ND (0.0022)	ND (0.0015)	ND (0.0016)	ND (0.0019)	ND (0.0016)	ND (0.0017)	ND (0.26)	ND (0.0016)	ND (0.0037)	ND (0.0021)	ND (0.0015)	ND (0.0018)	ND (0.0024)	ND (0.0026)	ND (0.0017)	-	-	-
Chloromethane (Methyl Chloride)	NA	NA	NA	ND (0.0055)	ND (0.006)	ND (0.004)	ND (0.0043)	ND (0.0051)	ND (0.0043)	ND (0.0046)	ND (0.69)	ND (0.0042)	ND (0.0098)	ND (0.0056)	ND (0.004)	ND (0.0048)	ND (0.0065)	ND (0.007)	ND (0.0045)	-	-	-
cis-1,2-Dichloroethene	0.19	41	0.19	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024)	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	ND (0.064)	ND (0.062)	ND (0.054)
cis-1,3-Dichloropropene	NA	NA	NA	ND (0.00069) J	ND (0.00075)	ND (0.0005)	ND (0.00054)	ND (0.00064)	ND (0.00053)	ND (0.00057)	ND (0.086)	ND (0.00053)	ND (0.0012)	ND (0.0007)	ND (0.00049)	ND (0.0006)	ND (0.00081)	ND (0.00087)	ND (0.00056)	-	-	-
Cymene (p-Isopropyltoluene)	NA	NA	NA	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	0.00077 J	ND (0.0011)	ND (0.0011)	0.22	0.00086 J	ND (0.0024) J	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-	-	-
Dibromochloromethane	NA	NA	NA	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024)	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-	-	-
Dibromomethane	NA	NA	NA	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049)	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-	-	-
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	ND (0.014)	ND (0.015)	ND (0.01)	ND (0.011)	ND (0.013)	ND (0.011)	ND (0.011)	ND (1.7)	ND (0.01)	ND (0.024)	ND (0.014)	ND (0.0099)	ND (0.012)	ND (0.016)	ND (0.017)	ND (0.011)	-	-	-
Ethyl Ether	NA	NA	NA	ND (0.0028)	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049)	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-	-	-
Ethylbenzene	1	76	1	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024) J	0.0012 J	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-	-	-
Hexachlorobutadiene	NA	NA	NA	0.0055 R	ND (0.006)	ND (0.004)	ND (0.0043)	ND (0.0051)	ND (0.0043)	ND (0.0046)	ND (0.69)	ND (0.0042)	0.0098 R	ND (0.0056)	ND (0.004)	ND (0.0048)	ND (0.0065)	ND (0.007)	ND (0.0045)	-	-	-
Isopropylbenzene (Cumene)	NA	NA	NA	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024) J	0.00026 J	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-	-	-
m,p-Xylenes	NA	NA	NA	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049) J	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-	-	-
Methyl Tert Butyl Ether (MTBE)	0.1	100	0.1	ND (0.0028)	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049)	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-	-	-
Methylene chloride (Dichloromethane)	0.05	81	0.05	ND (0.0069) J	ND (0.0075)	ND (0.005)	ND (0.0054)	ND (0.0064)	ND (0.0053)	ND (0.0057)	ND (0.86)	ND (0.0053)	ND (0.012)	ND (0.007)	ND (0.0049)	ND (0.006)	ND (0.0081)	ND (0.0087)	ND (0.0056)	ND (0.32)	ND (0.31)	ND (0.27)
Naphthalene	12	100	12	ND (0.0055) J	ND (0.006)	ND (0.004)	ND (0.0043)	0.0067	ND (0.0043)	ND (0.0046)	ND (0.69)	ND (0.0042)	ND (0.0098) J	ND (0.0056)	ND (0.004)	ND (0.0048)	ND (0.0065)	ND (0.007)	ND (0.0045)	-	-	-
n-Butylbenzene	18	100	18	0.0014 R	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	0.035 J	ND (0.001)	ND (0.0024) J	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-	-	-
n-Propylbenzene	5	100	5	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024) J	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-	-	-
o-Xylene	NA	NA	NA	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024) J	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-	-	-
Styrene	NA	NA	NA	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024) J	0.0048	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-	-	-
tert-Butylbenzene	11	100	11	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049) J	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-	-	-
Tetrachloroethene	1.3	18	1.3	ND (0.00069) J	ND (0.00075)	ND (0.0005)	ND (0.00054)	ND (0.00064)	ND (0.00053)	ND (0.00057)	ND (0.086)	ND (0.00053)	0.0027 J	0.00077	0.00045 J	ND (0.0006)	0.00037 J	0.00051 J	ND (0.00056)	***3.1***	***2***	0.92
Toluene	0.7	100	0.7	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	0.00078 J	ND (0.0024) J	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-	-	-
trans-1,2-Dichloroethene	0.19	100	0.19	ND (0.0021) J	ND (0.0022)	ND (0.0015)	ND (0.0016)	ND (0.0019)	ND (0.0016)	ND (0.0017)	ND (0.26)	ND (0.0016)	ND (0.0037)	ND (0.0021)	ND (0.0015)	ND (0.0018)	ND (0.0024)	ND (0.0026)	ND (0.0017)	-	-	-
trans-1,3-Dichloropropene	NA	NA	NA	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024) J	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-	-	-
trans-1,4-Dichloro-2-butene	NA	NA	NA	ND (0.0069) J	ND (0.0075)	ND (0.005)	ND (0.0054)	ND (0.0064)	ND (0.0053)	ND (0.0057)	ND (0.86)	ND (0.0053)	ND (0.012) J	ND (0.007)	ND (0.0049)	ND (0.006)	ND (0.0081)	ND (0.0087)	ND (0.0056)	-	-	-
Trichloroethene	0.47	6.4	0.47	ND (0.00069) J	ND (0.00075)	ND (0.0005)	ND (0.00054)	ND (0.00064)	0.0014	0.0014	***35***	0.014	ND (0.0012)	ND (0.0007)	ND (0.00049)	ND (0.0006)	ND (0.00081)	ND (0.00087)	ND (0.00056)	0.12 J	0.086 J	0.028
Trichlorofluoromethane (CFC-11)	NA	NA	NA	ND (0.0055)	ND (0.006)	ND (0.004)	ND (0.0043)	ND (0.0051)	ND (0.0043)	ND (0.0046)	ND (0.69)	ND (0.0042)	ND (0.0098)	ND (0.0056)	ND (0.004)	ND (0.0048)	ND (0.0065)	ND (0.007)	ND (0.0045)	-	-	-
Vinyl acetate	NA	NA	NA	ND (0.014) J	ND (0.015) J	ND (0.01)	ND (0.011)	ND (0.013)	ND (0.011)	ND (0.011)	ND (1.7)	ND (0.01)	0.024 R	ND (0.014)	ND (0.0099)	ND (0.012)	ND (0.016)	ND (0.017)	ND (0.011)	-	-	-
Vinyl chloride	0.03	0.48	0.03	ND (0.0014)	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024)	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	ND (0.064)	ND (0.062)	ND (0.054)
Xylene (Total)	1.2	100	0.26	ND (0.0014)	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024)	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-	-	-

TABLE III
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

Location Name	Criteria			RI-SB-16	RI-SB-16	RI-SB-17	RI-SB-17	RI-SB-17	RI-SB-17	RI-SB-18	RI-SB-18	RI-SB-18	RI-SB-19	RI-SB-19	RI-SB-19	RI-SB-20	RI-SB-20	RI-SB-20	RI-SB-20	SB-103	SB-103	SB-103
Sample Name	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	RI-SB-16_3-5	RI-SB-16_10-12	RI-SB-17_0-2	RI-SB-17_10-12	RI-SB-17_20-22	RI-SB-17_22-24	RI-SB-18_0-2	RI-SB-18_14-16	RI-SB-18_20-22	RI-SB-19_0-2	RI-SB-19_7-9	RI-SB-19_10-12	RI-SB-20_0-2	DUP-03_20260205	RI-SB-20_8-10	RI-SB-20_11-13	SB-103_0-2_RS	DUP-02_20260316	SB-103_3-5_RS
Sample Date				02/03/2026	02/03/2026	02/16/2026	02/16/2026	02/16/2026	03/16/2026	02/16/2026	02/16/2026	02/16/2026	02/06/2026	02/06/2026	02/06/2026	02/05/2026	02/05/2026	02/05/2026	02/05/2026	03/16/2026	03/16/2026	03/16/2026
Lab Sample ID				L2605921-11	L2605921-12	L2608462-03	L2608462-04	L2608462-05	L2614269-05	L2608462-06	L2608462-07	L2608462-08	L2606929-02	L2606929-03	L2606929-04	L2606574-06	L2606574-07	L2606574-08	L2606574-09	L2614270-06	L2614270-07	L2614270-08
Sample Depth (bgs)	2025	2025	2025	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 2 (ft)	14 - 16 (ft)	20 - 22 (ft)	0 - 2 (ft)	7 - 9 (ft)	10 - 12 (ft)	0 - 2 (ft)	0 - 2 (ft)	8 - 10 (ft)	11 - 13 (ft)	0 - 2 (ft)	0 - 2 (ft)	3 - 5 (ft)
Semi-Volatile Organic Compounds (mg/kg)																						
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
1,3-Dichlorobenzene	2.6	38	2.6	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9) J	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
1,4-Dichlorobenzene	1.8	24	1.8	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
1,4-Dioxane	0.1	5.7	0.1	ND (0.028)	ND (0.028)	ND (0.031)	ND (0.03)	***0.5***	ND (0.028)	ND (0.03)	ND (0.028)	ND (0.03)	ND (0.14)	ND (0.027)	ND (0.028)	ND (0.14)	ND (0.027)	ND (0.03)	ND (0.03)	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	ND (0.22)	ND (0.22)	ND (0.24)	ND (0.24)	ND (0.25)	ND (0.22)	ND (0.24)	ND (0.23)	ND (0.24)	ND (1.1) J	ND (0.21)	ND (0.22)	ND (1.1)	ND (0.22)	ND (0.24)	ND (0.24)	-	-	-
2,4,5-Trichlorophenol	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
2,4,6-Trichlorophenol	NA	NA	NA	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.54)	ND (0.11)	ND (0.11)	ND (0.54)	ND (0.11)	ND (0.12)	ND (0.12)	-	-	-
2,4-Dichlorophenol	NA	NA	NA	ND (0.17)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.81)	ND (0.16)	ND (0.17)	ND (0.81)	ND (0.16)	ND (0.18)	ND (0.18)	-	-	-
2,4-Dimethylphenol	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
2,4-Dinitrophenol	NA	NA	NA	0.9 R	ND (0.89)	ND (0.98)	ND (0.96)	ND (0.99)	ND (0.9)	ND (0.97)	ND (0.91)	ND (0.95)	4.3 R	ND (0.85)	ND (0.89)	ND (4.3)	ND (0.87)	ND (0.95)	ND (0.96)	-	-	-
2,4-Dinitrotoluene	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
2,6-Dinitrotoluene	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9) J	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
2-Chloronaphthalene	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
2-Chlorophenol	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
2-Methylnaphthalene	NA	NA	NA	ND (0.22)	ND (0.22)	0.026 J	ND (0.24)	0.059 J	ND (0.22)	ND (0.24)	0.11 J	ND (0.24)	0.11 J	0.068 J	0.081 J	12 J	1.5 J	0.061 J	ND (0.24)	-	-	-
2-Methylphenol (o-Cresol)	0.33	100	0.33	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	0.15 J	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
2-Nitroaniline	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
2-Nitrophenol	NA	NA	NA	ND (0.4)	ND (0.4)	ND (0.44)	ND (0.43)	ND (0.44)	ND (0.41)	ND (0.44)	ND (0.41)	ND (0.43)	ND (1.9)	ND (0.38)	ND (0.4)	ND (2)	ND (0.39)	ND (0.43)	ND (0.43)	-	-	-
3&4-Methylphenol	NA	NA	NA	ND (0.27)	ND (0.27)	ND (0.29)	ND (0.29)	ND (0.3)	ND (0.27)	ND (0.29)	ND (0.27)	ND (0.28)	ND (1.3)	ND (0.26)	ND (0.27)	0.59 J	0.079 J	ND (0.29)	ND (0.29)	-	-	-
3,3'-Dichlorobenzidine	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9) J	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
3-Nitroaniline	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
4,6-Dinitro-2-methylphenol	NA	NA	NA	0.49 R	ND (0.48)	ND (0.53)	ND (0.52)	ND (0.54)	ND (0.49)	ND (0.53)	ND (0.49)	ND (0.51)	2.3 R	ND (0.46)	ND (0.48)	ND (2.4)	ND (0.47)	ND (0.52)	ND (0.52)	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
4-Chloro-3-methylphenol	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
4-Chloroaniline	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9) J	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
4-Chlorophenyl phenyl ether	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9) J	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
4-Nitroaniline	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
4-Nitrophenol	NA	NA	NA	ND (0.26)	ND (0.26)	ND (0.29)	ND (0.28)	ND (0.29)	ND (0.26)	ND (0.28)	ND (0.26)	ND (0.28)	ND (1.3)	ND (0.25)	ND (0.26)	ND (1.3)	ND (0.25)	ND (0.28)	ND (0.28)	-	-	-
Acenaphthene	98	100	20	ND (0.15)	ND (0.15)	0.048 J	ND (0.16)	0.063 J	ND (0.15)	ND (0.16)	0.062 J	0.02 J	0.21 J	0.059 J	0.099 J	12 J	1 J	0.039 J	ND (0.16)	-	-	-
Acenaphthylene	365	100	100	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)	0.24	ND (0.16)	ND (0.72)	0.19	0.14 J	19 J	1.5 J	0.047 J	ND (0.16)	-	-	-
Acetophenone	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
Anthracene	1000	100	100	ND (0.11)	ND (0.11)	0.12	0.058 J	0.15	ND (0.11)	ND (0.12)	0.15	0.061 J	0.53 J	0.34	0.29	50 J	3.7 J	0.14	ND (0.12)	-	-	-
Benzo(a)anthracene	1	1.4	1	ND (0.11)	ND (0.11)	0.4	0.19	0.37	ND (0.11)	0.045 J	0.98	0.15	0.7 J	0.9	0.92	***82 J***	***5.5 J***	0.47	ND (0.12)	-	-	-
Benzo(a)pyrene	22	1	1	ND (0.15)	ND (0.15)	0.39	0.19	0.37	ND (0.15)	ND (0.16)	1	0.14 J	0.54 J	0.94	0.89	***66 J***	4.3 J	0.44	ND (0.16)	-	-	-
Benzo(b)fluoranthene	2.1	1.4	1	ND (0.11)	ND (0.11)	0.5	0.24	0.44	ND (0.11)	0.054 J	1.8	0.18	0.67 J	1.2	1.1	***82 J***	***5.2 J***	0.58	0.034 J	-	-	-
Benzo(g,h,i)perylene	1000	4.9	0.64	ND (0.15)	ND (0.15)	0.26	0.13 J	0.22	ND (0.15)	0.035 J	0.75	0.081 J	0.3 J	0.58	0.53	26 J	1.9 J	0.32	ND (0.16)	-	-	-
Benzo(k)fluoranthene	2	4.9	0.8	ND (0.11)	ND (0.11)	0.16	0.088 J	0.14	ND (0.11)	ND (0.12)	0.52	0.061 J	0.22 J	0.4	0.37	***21 J***	1.9 J	0.21	ND (0.12)	-	-	-
Benzoic acid	NA	NA	NA	ND (0.61)	0.6 R	ND (0.66)	ND (0.64)	ND (0.67)	ND (0.61)	ND (0.66)	ND (0.61)	ND (0.64)	2.9 R	ND (0.58)	ND (0.6)	ND (2.9)	ND (0.59)	ND (0.64)	ND (0.64)	-	-	-
Benzyl Alcohol	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
Biphenyl	NA	NA	NA	ND (0.43)	ND (0.42)	ND (0.47)	ND (0.45)	ND (0.47)	ND (0.43)	ND (0.46)	0.027 J	ND (0.45)	ND (2)	ND (0.4)	0.029 J	2.1	0.28 J	ND (0.45)	ND (0.45)	-	-	-
bis(2-Chloroethoxy)methane	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.22)	ND (0.21)	ND (0.22)	ND (0.2)	ND (0.22)	ND (0.2)	ND (0.21)	ND (0.97)	ND (0.19)	ND (0.2)	ND (0.98)	ND (0.2)	ND (0.21)	ND (0.21)	-	-	-
bis(2-Chloroethyl)ether	NA	NA	NA	ND (0.17)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.81)	ND (0.16)	ND (0.17)	ND (0.81)	ND (0.16)	ND (0.18)	ND (0.18)	-	-	-
bis(2-Ethylhexyl)phthalate	NA	NA	NA	ND (0.19)	ND (0.18)	0.08 J	0.15 J	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	0.48	0.096 J	ND (0.9)	ND (0.18)	0.11 J	ND (0.2)	-	-	-
Butyl benzylphthalate (BBP)	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
Carbazole	NA	NA	NA	ND (0.19)	ND (0.18)	0.065 J	0.035 J	0.062 J	ND (0.19)	ND (0.2)	0.32	0.039 J	0.18 J	0.064 J	0.13 J	11 J	1.5 J	0.056 J	ND (0.2)	-	-	-
Chrysene	1	4.9	1	ND (0.11)	ND (0.11)	0.36	0.18	0.36	ND (0.11)	0.043 J	***1.4***	0.14	0.57 J	0.83	0.92	***71 J***	***5.1 J***	0.54	0.047 J	-	-	-
Dibenz(a,h)anthracene	1000	0.33	0.33	ND (0.11)	ND (0.11)	0.057 J	0.027 J	0.045 J	ND (0.11)	ND (0.12)	0.21	ND (0.12)	ND (0.54) J	0.13	0.13	8.1 J	0.62 J	0.08 J	ND (0.12)	-	-	-
Dibenzofuran	110	18	2.1	ND (0.19)	ND (0.18)	0.032 J	ND (0.2)	0.043 J	ND (0.19)	ND (0.2)	0.053 J	ND (0.2)	0.16 J	0.066 J	0.098 J	14 J	1.5 J	0.04 J	ND (0.2)	-	-	-
Diethyl phthalate	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
Dimethyl phthalate	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9) J	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
Di-n-butylphthalate (DBP)	NA	NA	NA	0.081 J	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
Di-n-octyl phthalate (DnOP)	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
Fluoranthene	1000	100	85	ND (0.11)	ND (0.11)	0.78	0.37	0.79	ND (0.11)	0.077 J	2.4	0.3	1.3 J	1.6	1.8	160 J	12 J	0.8	0.028 J	-	-	-
Fluorene	386	100	30	ND (0.19)	ND (0.18)	0.037 J	0.02 J	0.068 J	ND (0.19)	ND (0.2)	0.1 J	0.02 J	0.3 J	0.08 J	0.12 J	33 J	2.6 J	0.049 J	ND (0.2)	-	-	-
Hexachlorobenzene	3.2	0.33	0.33	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.54)	ND (0.11)	ND (0.11)	ND (0.54)	ND (0.11)	ND (0.12)	ND (0.12)	-	-	-
Hexachlorobutadiene	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
Hexachlorocyclopentadiene	NA	NA	NA	ND (0.54) J	ND (0.53)	ND (0.58)	ND (0.57)	ND (0.59)	ND (0.54)	ND (0.58)	ND (0.54)	ND (0.56)	2.6 R	ND (0.51)	ND (0.53)	ND (2.6)	ND (0.52)	ND (0.57)	ND (0.57)	-	-	-
Hexachloroethane	NA	NA	NA	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.72) J	ND (0.14)	ND (0.15)	ND (0.72)	ND (0.14)	ND (0.16)	ND (0.16)	-	-	-
Indeno(1,2,3-cd)pyrene	6.6	1.4	0.5	ND (0.15)	ND (0.15)	0.26	0.12 J	0.21	ND (0.15)	0.029 J	0.78	0.079 J	0.29 J	0.54	0.54	***27 J***	2.1 J	0.29	ND (0.16)	-	-	-
Isophorone	NA	NA	NA	ND (0.17)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.81)	ND (0.16)	ND (0.17)	ND (0.81)	ND (0.16)	ND (0.18)	ND (0.18)	-	-	-
Naphthalene	12	100	12	ND (0.19)	ND (0.18)	0.053 J	ND (0.2)	0.11 J	ND (0.19)	ND (0.2)	0.099 J	ND (0.2)	0.18 J	0.2	0.1 J	12 J	2.1 J	0.089 J	ND (0.2)	-	-	-
Nitrobenzene	0.08	1.8	0.08	ND (0.17)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.038)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.81)	ND (0.16)	ND (0.17)	ND (0.81)	ND (0.16)	ND (0.18)	ND (0.18)	-	-	-
N-Nitrosodi-n-propylamine	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-	-	-
N-Nitrosodiphenylamine	NA	NA	NA	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.72)	ND (0.14)	ND (0.15)	ND (0.72)	ND (0.14)	ND (0.16)	ND (0.16)	-	-	-
Pentachlorophenol	0.8	1.3	0.8	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.72)	ND (0.14)	ND (0.15)	ND (0.72)	ND (0.14)	ND (0.16)	ND (0.16)	-	-	-
Phenanthrene	1000	4.9	1.1	ND (0.11)	ND (0.11)	0.51	0.21	0.79	ND (0.11)	0.038 J	1.9	0.23	1.4 J	0.74	1.2	190 J	19 J	0.61	ND (0.12)	-	-	-
Phenol	0.33	100	0.33	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	***0.41 J***	0.071 J	ND (0.2)	ND (0.2)	-	-	-
Pyrene	1000	100	64	ND (0.11)	0.028 J	0.67	0.32	0.74	ND (0.11)	0.066 J	1.7	0.26	0.98 J	1.4	1.5	140 J	10 J	0.73	0.042 J	-	-	-

TABLE III
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

Location Name	Criteria			RI-SB-16	RI-SB-16	RI-SB-17	RI-SB-17	RI-SB-17	RI-SB-17	RI-SB-18	RI-SB-18	RI-SB-18	RI-SB-19	RI-SB-19	RI-SB-19	RI-SB-20	RI-SB-20	RI-SB-20	RI-SB-20	SB-103	SB-103	SB-103
Sample Name	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	RI-SB-16_3-5	RI-SB-16_10-12	RI-SB-17_0-2	RI-SB-17_10-12	RI-SB-17_20-22	RI-SB-17_22-24	RI-SB-18_0-2	RI-SB-18_0-2	RI-SB-18_14-16	RI-SB-18_20-22	RI-SB-19_0-2	RI-SB-19_7-9	RI-SB-19_10-12	RI-SB-20_0-2	DUP-03_20260205	RI-SB-20_8-10	RI-SB-20_11-13	SB-103_0-2_RS	DUP-02_20260316	SB-103_3-5_RS
Sample Date	2025	2025	2025	02/03/2026	02/03/2026	02/16/2026	02/16/2026	02/16/2026	03/16/2026	02/16/2026	02/16/2026	02/16/2026	02/16/2026	02/06/2026	02/06/2026	02/06/2026	02/05/2026	02/05/2026	02/05/2026	02/05/2026	03/16/2026	03/16/2026	03/16/2026
Lab Sample ID				L2605921-11	L2605921-12	L2608462-03	L2608462-04	L2608462-05	L2614269-05	L2608462-06	L2608462-07	L2608462-08	L2606929-02	L2606929-03	L2606929-04	L2606574-06	L2606574-07	L2606574-08	L2606574-09	L2614270-06	L2614270-07	L2614270-08
Sample Depth (bgs)				3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 2 (ft)	14 - 16 (ft)	20 - 22 (ft)	0 - 2 (ft)	7 - 9 (ft)	10 - 12 (ft)	0 - 2 (ft)	0 - 2 (ft)	8 - 10 (ft)	11 - 13 (ft)	0 - 2 (ft)	0 - 2 (ft)	3 - 5 (ft)
PFAS (mg/kg)																						
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	NA	NA	ND (0.000808)	ND (0.000796)	ND (0.000801)	ND (0.000792)	ND (0.000799)	ND (0.00079)	ND (0.0008)	ND (0.000801)	ND (0.000799)	ND (0.000804)	ND (0.00079)	ND (0.000808)	ND (0.000796)	ND (0.000795)	ND (0.000799)	ND (0.000797)	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	NA	NA	ND (0.00505)	ND (0.00498)	ND (0.00501)	ND (0.00495)	ND (0.005)	ND (0.00494)	ND (0.005)	ND (0.00501)	ND (0.00499)	ND (0.00503) J	ND (0.00494) J	ND (0.00505) J	ND (0.00498) J	ND (0.00497) J	ND (0.005) J	ND (0.00498) J	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	NA	NA	ND (0.00505)	ND (0.00498)	ND (0.00501)	ND (0.00495)	ND (0.005)	ND (0.00494)	ND (0.005)	ND (0.00501)	ND (0.00499)	ND (0.00503)	ND (0.00494)	ND (0.00505)	ND (0.00498)	ND (0.00497)	ND (0.005)	ND (0.00498)	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	NA	NA	ND (0.00101)	ND (0.000996)	ND (0.001)	ND (0.00099)	ND (0.000999)	ND (0.000988)	ND (0.001)	ND (0.001)	ND (0.000999)	ND (0.001)	ND (0.000987)	ND (0.00101)	ND (0.000996)	ND (0.000994)	ND (0.000999)	ND (0.000997)	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	NA	NA	ND (0.000808)	ND (0.000796)	ND (0.000801)	ND (0.000792)	ND (0.000799)	ND (0.00079)	ND (0.0008)	ND (0.000801)	ND (0.000799)	ND (0.000804)	ND (0.00079)	ND (0.000808)	ND (0.000796)	ND (0.000795)	ND (0.000799)	ND (0.000797)	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	NA	NA	ND (0.000808)	ND (0.000796)	ND (0.000801)	ND (0.000792)	ND (0.000799)	ND (0.00079)	ND (0.0008)	ND (0.000801)	ND (0.000799)	ND (0.000804)	ND (0.00079)	ND (0.000808)	ND (0.000796)	ND (0.000795)	ND (0.000799)	ND (0.000797)	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	NA	ND (0.000808)	ND (0.000796)	ND (0.000801)	ND (0.000792)	ND (0.000799)	ND (0.00079)	ND (0.0008)	ND (0.000801)	ND (0.000799)	ND (0.000804)	ND (0.00079)	ND (0.000808)	ND (0.000796)	ND (0.000795)	ND (0.000799)	ND (0.000797)	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	NA	ND (0.000808)	ND (0.000796)	ND (0.000801)	ND (0.000792)	ND (0.000799)	ND (0.00079)	ND (0.0008)	ND (0.000801)	ND (0.000799)	ND (0.000804)	ND (0.00079)	ND (0.000808)	ND (0.000796)	ND (0.000795)	ND (0.000799)	ND (0.000797)	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	NA	NA	ND (0.000808)	ND (0.000796)	ND (0.000801)	ND (0.000792)	ND (0.000799)	ND (0.00079)	ND (0.0008)	ND (0.000801)	ND (0.000799)	ND (0.000804)	ND (0.00079)	ND (0.000808)	ND (0.000796)	ND (0.000795)	ND (0.000799)	ND (0.000797)	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	NA	NA	ND (0.000202)	ND (0.000199)	ND (0.0002) J	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.000199)	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	NA	NA	ND (0.000202) J	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198) J	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.000199)	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	NA	NA	ND (0.00202) J	ND (0.00199)	ND (0.002) J	ND (0.00198)	ND (0.002) J	ND (0.00198) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.00201)	ND (0.00197)	ND (0.00202)	ND (0.00199)	ND (0.00199)	ND (0.002)	ND (0.00199)	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NA	NA	NA	ND (0.000202)	ND (0.000199)	ND (0.0002) J	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.000199)	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	NA	NA	ND (0.000202)	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198) J	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.000199)	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	NA	NA	ND (0.00202) J	ND (0.00199)	ND (0.002) J	ND (0.00198)	ND (0.002) J	ND (0.00198) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.00201)	ND (0.00197) J	ND (0.00202)	ND (0.00199)	ND (0.00199)	ND (0.002)	ND (0.00199)	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	NA	NA	ND (0.000404)	ND (0.000398)	ND (0.000401)	ND (0.000396)	ND (0.0004)	ND (0.000395)	ND (0.0004)	ND (0.000401)	ND (0.0004)	0.000402 R	0.000395 R	0.000404 R	0.000398 R	0.000398 R	0.0004 R	0.000399 R	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	NA	NA	ND (0.000404)	ND (0.000398)	ND (0.000401)	ND (0.000396)	ND (0.0004)	ND (0.000395)	ND (0.0004)	ND (0.000401)	ND (0.0004)	ND (0.000402)	ND (0.000395)	ND (0.000404)	ND (0.000398)	ND (0.000398)	ND (0.0004)	ND (0.000399)	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	NA	NA	ND (0.000404)	ND (0.000398)	ND (0.000401)	ND (0.000396)	ND (0.0004)	ND (0.000395)	ND (0.0004)	ND (0.000401)	ND (0.0004)	ND (0.000402)	ND (0.000395)	ND (0.000404)	ND (0.000398)	ND (0.000398)	ND (0.0004)	ND (0.000399)	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	NA	NA	ND (0.000808)	ND (0.000796)	ND (0.000801)	ND (0.000792)	ND (0.000799)	ND (0.00079)	ND (0.0008)	ND (0.000801)	ND (0.000799)	ND (0.000804)	ND (0.00079)	ND (0.000808)	ND (0.000796)	ND (0.000795)	ND (0.000799)	ND (0.000797)	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	NA	NA	ND (0.000404)	ND (0.000398)	ND (0.000401)	ND (0.000396)	ND (0.0004)	ND (0.000395)	ND (0.0004)	ND (0.000401)	ND (0.0004)	ND (0.000402)	ND (0.000395)	ND (0.000404)	ND (0.000398)	ND (0.000398)	ND (0.0004)	ND (0.000399)	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	NA	NA	ND (0.000202)	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.000199)	-	-	-
Perfluorobutanoic acid (PFBA)	NA	NA	NA	ND (0.000808)	ND (0.000796)	ND (0.000801)	ND (0.000792)	ND (0.000799)	ND (0.00079)	ND (0.0008)	ND (0.000801)	ND (0.000799)	ND (0.000804)	ND (0.00079)	ND (0.000808)	ND (0.000796)	ND (0.000795)	ND (0.000799)	ND (0.000797)	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	NA	NA	ND (0.000202)	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198)	0.000296	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	0.000126 J	ND (0.000199)	-	-	-
Perfluorodecanoic acid (PFDA)	NA	NA	NA	ND (0.000202)	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198)	0.000124 J	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	0.000121 J	0.000115 J	0.000092 J	ND (0.000199)	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	NA	NA	ND (0.000202) J	ND (0.000199) J	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.000199)	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	NA	NA	ND (0.000202)	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198)	0.0001 J	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.000199)	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	NA	ND (0.000202)	0.000315	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.000199)	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	ND (0.000202)	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	0.000125 J	0.000115 J	0.000244	ND (0.000199)	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	NA	ND (0.000202)	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198)	0.000054 J	0.000084 J	0.000054 J	0.00007 J	0.000061 J	ND (0.000202)	ND (0.000199)	0.000054 J	0.00009 J	ND (0.000199)	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	ND (0.000202)	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	0.000264	ND (0.000199)	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	NA	NA	ND (0.000202)	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.000199)	-	-	-
Perfluorononanoic acid (PFNA)	NA	NA	NA	ND (0.000202)	0.000032 J	0.00004 J	ND (0.000198)	ND (0.0002)	ND (0.000198)	0.00008 J	ND (0.0002)	0.000034 J	ND (0.000201)	ND (0.000197)	ND (0.000202)	0.000141 J	0.000179 J	0.000056 J	ND (0.000199)	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	NA	NA	ND (0.000202)	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.000199)	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.001	0.044	0.00088	***0.00899***	***0.0412***	0.000575	0.000311	0.000296	ND (0.000198)	0.000852	***0.00123***	***0.0012***	0.000553	0.000636	0.000343	0.000277	0.000278	***0.00389***	0.000126 J	-	-	-
Perfluorooctanoic acid (PFOA)	0.0008	0.033	0.00066	0.000044 J	ND (0.000199)	0.000312	0.000222	0.000132 J	0.000275	0.000188 J	ND (0.0002)	0.00013 J	0.000165 J	0.000101 J	0.000049 J	0.000163 J	0.000191 J	0.000438	0.000048 J	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	NA	NA	ND (0.000202)	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.000199)	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	ND (0.000404)	ND (0.000398)	ND (0.000401)	ND (0.000396)	ND (0.0004)	ND (0.000395)	ND (0.0004)	ND (0.000401)	ND (0.0004)	ND (0.000402)	ND (0.000395)	ND (0.000404)	0.000193 J	ND (0.000398)	0.000344 J	ND (0.000399)	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	NA	ND (0.000202) J	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198) J	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199) J	ND (0.0002) J	ND (0.000199)	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	NA	NA	ND (0.000202) J	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198) J	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199) J	ND (0.0002) J	ND (0.000199)	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	NA	NA	ND (0.000202)	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.000199)	-	-	-
Pesticides (mg/kg)																						
4,4'-DDD	14	5	0.0033	ND (0.00171)	ND (0.00178)	0.00445	0.00322	ND (0.00197)	ND (0.00175)	ND (0.00189)	ND (0.00179)	0.00268	0.00488	0.0486	0.0118	ND (0.00166)	ND (0.00169)	0.0372	ND (0.00189)	-	-	-
4,4'-DDE	9.3	3.4	0.0033	ND (0.00171)	ND (0.00178)	0.00285	0.00183 J	ND (0.00197)	ND (0.00175)	0.000706 J	ND (0.00179)	0.00129 J	0.00168 J	0.0116	0.00774	ND (0.00166)	ND (0.00169)	0.0139	ND (0.00189)	-	-	-
4,4'-DDT	135	3.8	0.0033	ND (0.00171)	ND (0.00178)	0.0105	0.00616	ND (0.00197)	ND (0.00175)	ND (0.00189) J	ND (0.00179)	0.00428	ND (0.00175) J	0.068	0.00501	ND (0.00166)	ND (0.00169)	0.0197 J	ND (0.00189)	-	-	-
Aldrin	0.19	0.044	0.0048	ND (0.00171)	ND (0.00178)	ND (0.00193)	ND (0.00194)	ND (0.00197)	ND (0.00175)	ND (0.00189)	ND (0.00179)	ND (0.00185)	ND (0.00175)	ND (0.0017)	ND (0.00174)	ND (0.00166)	ND (0.00169)	ND (0.00191)	ND (0.00189)	-	-	-
alpha-BHC	0.02	0.18	0.02	ND (0.000711)	ND (0.000742)	ND (0.000803)	ND (0.000811)	ND (0.000822)	ND (0.000728)	ND (0.000789)	ND (0.000746)	ND (0.00077)	ND (0.00073)	ND (0.000706)	ND (0.000725)	ND (0.000694)	ND (0.000706)	ND (0.000796)	ND (0.000788)	-	-	-
alpha-Chlordane (cis)	4.5	0.65	0.014	ND (0.00213)	ND (0.00223)	0.00477 J	0.00277 J	ND (0.00246)	ND (0.00218)	0.00231 J	ND (0.00224)	0.00362 J	0.00284	0.0233	0.00342 J	ND (0.00208)	ND (0.00212)	ND (0.00239)	ND (0.00236)	-	-	-
beta-BHC	0.09	0.18	0.021	ND (0.00171)	ND (0.00178)	ND (0.00193)	ND (0.00194)	ND (0.00197)	ND (0.00175)	ND (0.00189)	ND (0.00179)	ND (0.00185)	ND (0.00175)	ND (0.0017)	ND (0.00174)	ND (0.00166)	ND (0.00169)	ND (0.00191)	ND (0.00189)	-	-	-
Chlordane	NA	NA	NA	ND (0.0142)	ND (0.0148)	0.0577	0.0342	ND (0.0164)	ND (0.0146)	0.0186 J	ND (0.0149)	0.0391	0.0249	0.0908	ND (0.0145)	ND (0.0139)	ND (0.0141)	ND (0.0159)	ND (0.0158)	-	-	-
delta-BHC	0.1	100	0.04	ND (0.00171)	ND (0.00178)	ND (0.00193)	ND (0.00194)	ND (0.00197)	ND (0.00175)	ND (0.00189)	ND (0.00179)	ND (0.00185)	ND (0.00175)	ND (0.0017)	ND (0.00174)	ND (0.00166)	ND (0.00169)	ND (0.00191)	ND (0.00189)	-	-	-
Dieldrin	0.1	0.075	0.005	ND (0.00107)	ND (0.00111)	ND (0.0012)	ND (0.00122)	ND (0.00123)	ND (0.00109)	ND (0.00118)	ND (0.00112)	ND (0.00116)	ND (0.0011)	0.0107	ND (0.00109)	ND (0.00104)	ND (0.00106)	ND (0.00119)	ND (0.00118)	-	-	-
Endosulfan I	65	35	4.3	ND (0.00171)	ND (0.00178)	ND (0.00193)	ND (0.00194)	ND (0.00197)	ND (0.00175)	ND (0.00189)	ND (0.00179)	ND (0.00185)	ND (0.00175)	ND (0.0017)	ND (0.00174)	ND (0.00166)	ND (0.00169)	ND (0.00191)	ND (0.00189)	-	-	-
Endosulfan II	44	35	4.3	ND (0.00171)	ND (0.00178)	ND (0.00193)	ND (0.00194)	ND (0.00197)	ND (0.00175)	ND (0.00189)	ND (0.00179)	ND (0.00185)	ND (0.00175)	ND (0.0017)	ND (0.00174)	ND (0.00166)	ND (0.00169)	ND (0.00191)	ND (0.00189)	-	-	-
Endosulfan sulfate	47	35	4.3	ND (0.000711)	ND (0.000742)	ND (0.000803)	ND (0.000811)	ND (0.000822)	ND (0.000728)	ND (0.000789)	ND (0.000746)	ND (0.00077)	ND (0.00073)	ND (0.000706)	ND (0.000725)	ND (0.000694)	ND (0.000706)	ND (0.000796)	ND (0.000788)	-	-	-
Endrin	0.06	5.3	0.014	ND (0.000711)	ND (0.000742)	ND (0.000803)	ND (0.000811)	ND (0.000822)	ND (0.000728)	ND (0.000789)	ND (0.000746)	ND (0.00077)	ND (0.00073)	ND (0.000706)	ND (0.000725)	ND (0.000694)	ND (0.000706)	ND (0.000796)	ND (0.000788)	-	-	-
Endrin aldehyde	NA	NA	NA	ND (0.00213)	ND (0.00223)	ND (0.00241)	ND (0.00243)	ND (0.00246)	ND (0.00218)	ND (0.00237)	ND (0.00224)	ND (0.00231)	ND (0.00219)	ND (0.00212)	ND (0.00218)	ND (0.00208)	ND (0.00212)	ND (0.00239)	ND (0.00236)	-	-	-
Endrin ketone	NA	NA	NA	ND (0.00171)	ND (0.00178)	ND (0.00193)	ND (0.00194)	ND (0.00197)	ND (0.00175)	ND (0.00189)	ND (0.00179)	ND (0.00185)	ND (0.00175)	ND (0.0017)	ND (0.00174)	ND (0.00166)	ND (0.00169)	ND (0.00191)	ND (0.00189)	-	-	-
gamma-BHC (Lindane)	0.05	0.21	0.025	ND (0.000711)	ND (0.000742)	ND (0.000803)	ND (0.000811)	ND (0.000822)	ND (0.000728)	ND (0.000789)	ND (0.000746)	ND (0.00077)	ND (0.00073)	ND (0.000706)	ND (0.000725)	ND (0.000694)	ND (0.000706)	ND (0.000796)	ND (0.000788)	-	-	-
gamma-Chlordane (trans)	NA	NA	NA	ND (0.00213)	ND (0.00223)	0.00543 J	0.0033	ND (0.00246)	ND (0.00218)	0.00244 J	ND (0.00224)	0.0048	0.00253	0.0167	0.00307 J	ND (0.00208)	ND (0.00212)	ND (0.00239)	ND (0.00236)	-	-	-
Heptachlor	0.38	0.53	0.013	ND (0.000853)	ND (0.000891)	ND (0.000963) J	ND (0.000973)	ND (0.000986)	ND (0.000874)	ND (0.000947)	ND (0.000895)	0.00047 J	ND (0.000876)	ND (0.000848)	ND (0.00087)	ND (0.000832)	ND (0.000847)	ND (0.000955)	ND (0.000945)	-	-	-
Heptachlor epoxide	NA	NA	NA	ND (0.0032)	ND (0.00334)	ND (0.00361)	ND (0.00365)	ND (0.0037)	ND (0.00328)	ND (0.00355)	ND (0.00336)	ND (0.00346)	ND (0.00328)	ND (0.00318)	ND (0.00326)	ND (0.00312)	ND (0.00318)	ND (0.00358)	ND (0.00354)	-	-	-
Methoxychlor	NA	NA	NA	ND (0.0032)	ND (0.00334)	ND (0.00361)	ND (0.00365)	ND (0.0037)	ND (0.00328)	ND (0.00355)	ND (0.00336)	ND (0.00346)	ND (0.00328)	ND (0.00318)	ND (0.00326)	ND (0.00312)	ND (0.00318)	ND (0.00358)	ND (0.00354)	-	-	-
Toxaphene	NA	NA	NA	ND (0.032)	ND (0.0334)	ND (0.0361)	ND (0.0365)	ND (0.037)	ND (0.0328)	ND (0.0355)	ND (0.0336)	ND (0.0346)	ND (0.0328)	ND (0.0318)	ND (0.0326)	ND (0.0312)	ND (0.0318)	ND (0.0358)	ND (0.0354)	-	-	-
Polychlorinated Biphenyls (mg/kg)																						
Aroclor-1016 (PCB-1016)	NA	NA	NA	ND (0.0554)	ND (0.0564)	ND (0.0589)	ND (0.0563)	ND (0.0618)	ND (0.0553)	ND (0.0595)	ND (0.0567)	ND (0.0563)	ND (0.0522)	ND (0.0535)	ND (0.0551)	ND (0.0535)	ND (0.0518)	ND (0.0575)	ND (0.0601)	-	-	-
Aroclor-1221 (PCB-1221)	NA	NA	NA	ND (0.0554)	ND (0.0564)	ND (0.0589)	ND (0.0563)	ND (0.0618)	ND (0.0553)	ND (0.0595)	ND (0.0567)	ND (0.0563)	ND (0.0522)	ND (0.0535)	ND (0.0551)	ND (0.0535)	ND (0.0518)	ND (0.0575)	ND (0.0601)	-	-	-
Aroclor-1232 (PCB-1232)	NA	NA	NA	ND (0.0554)	ND (0.0564)	ND (0.0589)	ND (0.0563)	ND (0.0618)	ND (0.0553)	ND (0.0595)	ND (0.0567)	ND (0.0563)	ND (0.0522)	ND (0.0535)	ND (0.0551)	ND (0.0535)	ND (0.0518)	ND (0.0575)	ND (0.0601)	-	-	-
Aroclor-1242 (PCB-1242)	NA	NA	NA	ND (0.0554)	ND (0.0564)	ND (0.0589)	ND (0.0563)	ND (0.0618)	ND (0.0553)	ND (0.0595)	ND (0.0567)	ND (0.0563)	ND (0.0522)	ND (0.0535)	ND (0.0551)	ND (0.0535)	ND (0.0518)	ND (0.0575)	ND (0.0601)	-	-	-
Aroclor-1248 (PCB-1248)	NA	NA	NA	ND (0.0554)	ND (0.0564)	0.0269 J	0.0372 J	ND (0.0618)	ND (0.0553)	ND (0.0595)	ND (0.0567)	0.0232 J	0.0194 J	ND (0.0535)	ND (0.0551)	ND (0.0535)	ND (0.0518)	ND (0.0575)	ND (0.0601)	-	-	-
Aroclor-1254 (PCB-1254)	NA	NA	NA	0.0352 J	0.014 J	0.0568 J	0.039 J	ND (0.0618)	ND (0.0553)	ND (0.0595)	ND (0.0567)	0.0389 J	0.0195 J	0.0456 J	0.0149 J	0.954 J	0.398 J	0.227	ND (0.0601)	-	-	-
Aroclor-1260 (PCB-1260)	NA	NA	NA	ND (0.0554)	ND (0.0564)	0.132	0.0765	ND (0.0618)	ND (0.0553)	ND (0.0595)	ND (0.0567)	0.107	0.0157 J	0.0141 J	0.0126 J	ND (0.0535) J	0.107 J	0.168	ND (0.0601)	-	-	-
Aroclor-1262 (PCB-1262)	NA	NA	NA	ND (0.0554)	ND (0.0564)	ND (0.0589)	ND (0.0563)	ND (0.0618)	ND (0.0553)	ND (0.0595)	ND (0.0567)	ND (0.0563)	ND (0.0522)	ND (0.0535)	ND (0.0551)	ND (0.0535)	ND (0.0518)	ND (0.0575)	ND (0.0601)	-	-	-
Aroclor-1268 (PCB-1268)	NA	NA	NA	ND (0.0554)	ND (0.0564)	0.133	0.0653	ND (0.0618)	ND (0.0553)	ND (0.0595)	ND (0.0567)	0.1	ND (0.0522)	ND (0.0535)	ND (0.0551)	ND (0.0535)	ND (0.0518)	ND (0.0575)	ND (0.0601)	-	-	-
Polychlorinated biphenyls (PCBs)	3.2	1	0.1	0.0352 J	0.014 J	0.349 J	0.218 J	ND (0.0618)	ND (0.0553)	ND (0.0595)	ND (0.0567)	0.269 J	0.0546 J	0.0597 J	0.0275 J	0.954 J	0.505 J	0.395	ND (0.0601)	-	-	-

TABLE III
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

Location Name	Criteria			RI-SB-16	RI-SB-16	RI-SB-17	RI-SB-17	RI-SB-17	RI-SB-17	RI-SB-18	RI-SB-18	RI-SB-18	RI-SB-19	RI-SB-19	RI-SB-19	RI-SB-20	RI-SB-20	RI-SB-20	RI-SB-20	SB-103	SB-103	SB-103
Sample Name	Restricted Use Soil Cleanup Objectives - Protection of Groundwater 2025	NY Part 375 Restricted Residential Use Soil Cleanup Objectives 2025	NY Part 375 Unrestricted Use Soil Cleanup Objectives 2025	RI-SB-16_3-5	RI-SB-16_10-12	RI-SB-17_0-2	RI-SB-17_10-12	RI-SB-17_20-22	RI-SB-17_22-24	RI-SB-18_0-2	RI-SB-18_14-16	RI-SB-18_20-22	RI-SB-19_0-2	RI-SB-19_7-9	RI-SB-19_10-12	RI-SB-20_0-2	DUP-03_20260205	RI-SB-20_8-10	RI-SB-20_11-13	SB-103_0-2_RS	DUP-02_20260316	SB-103_3-5_RS
Sample Date				02/03/2026	02/03/2026	02/16/2026	02/16/2026	02/16/2026	03/16/2026	02/16/2026	02/16/2026	02/16/2026	02/06/2026	02/06/2026	02/06/2026	02/05/2026	02/05/2026	02/05/2026	02/05/2026	03/16/2026	03/16/2026	03/16/2026
Lab Sample ID				L2605921-11	L2605921-12	L2608462-03	L2608462-04	L2608462-05	L2614269-05	L2608462-06	L2608462-07	L2608462-08	L2606929-02	L2606929-03	L2606929-04	L2606574-06	L2606574-07	L2606574-08	L2606574-09	L2614270-06	L2614270-07	L2614270-08
Sample Depth (bgs)				3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 2 (ft)	14 - 16 (ft)	20 - 22 (ft)	0 - 2 (ft)	7 - 9 (ft)	10 - 12 (ft)	0 - 2 (ft)	0 - 2 (ft)	8 - 10 (ft)	11 - 13 (ft)	0 - 2 (ft)	0 - 2 (ft)	3 - 5 (ft)
Inorganic Compounds (mg/kg)																						
Aluminum	NA	NA	NA	9670	7030	8950	8530	9240	9450	7870	7290	10100	2530	7730	8000	9230	8560	3520	10800	-	-	-
Antimony	NA	NA	NA	ND (4.28) J	ND (4.47) J	ND (4.78)	ND (4.71)	ND (4.96)	ND (4.56)	ND (4.66)	ND (8.91)	ND (4.73)	ND (8.82) J	ND (4.33) J	ND (4.35) J	ND (4.16) J	ND (4.42) J	ND (4.85) J	ND (4.85) J	-	-	-
Arsenic	16	16	13	3.92	1.99	4.66	3.49	5.32	1.42	1.68	6.76	2.39	3.37	2.86	6.66	4.55 J-	2.85 J-	11.5 J-	5.56 J-	-	-	-
Barium	820	410	410	47.8	35.2	72.8	67.9	60.9	61	57.5	103	60.6	17.7	59.6	193	64.9	45.1	162	93.6	-	-	-
Beryllium	47	43	4.4	0.512	0.364 J	0.36 J	0.353 J	0.443 J	0.365 J	0.258 J	0.388 J	0.478	0.184 J	0.083 J	0.373 J	0.342 J	0.308 J	0.285 J	0.584	-	-	-
Cadmium	7.5	2.5	2.5	0.341 J	0.127 J	0.357 J	0.14 J	0.102 J	0.182 J	0.081 J	ND (1.78)	ND (0.946)	ND (1.76) J	0.049 J-	0.336 J-	ND (0.832)	ND (0.883)	0.612 J	0.338 J	-	-	-
Calcium	NA	NA	NA	1260	1560	12900	15000	14900	2560	8710	44200	19600	78600	10300	25800	2980	3860	3250	1510	-	-	-
Chromium	NA	NA	NA	12.8	21	22	24.1	24.7	17.1	19.6	16.4	27.4	6.66 J+	21.6 J+	15.6 J+	20.2 J-	18.8 J-	13.5 J-	16.3 J-	-	-	-
Chromium VI (Hexavalent)	19	1	1	0.509 J	0.318 J	ND (0.998)	ND (0.978)	ND (1.02)	ND (0.925)	ND (0.984)	ND (0.922)	ND (0.971)	ND (0.885)	ND (0.869)	ND (0.893)	ND (0.88)	0.499 J	ND (0.979)	ND (0.977)	-	-	-
Cobalt	NA	NA	NA	5.79	5.76	7.47	6.74	6.68	8.33	7.29	5.02	7.67	3.62	6.58	5.21	6.95	6.48	5.25	5.06	-	-	-
Copper	1720	280	50	15.2	14.2	49	40.6	44	26.6	28.4	29.7	31.6	9.37 J+	32.1 J+	51.1 J+	27.5 J-	23.4 J-	75 J-	19.4 J-	-	-	-
Iron	NA	NA	NA	13500	11800	23100	15500	20500	16800	15000	15200	16600	12900	12600	12800	15800	13900	9340	13500	-	-	-
Lead	450	400	63	74.8 J-	4.83 J-	113	88.2	75.3	7.64	34.4	96.8	44.8	9.26	27.9	314	69 J-	19.1 J-	262 J-	182 J-	-	-	-
Magnesium	NA	NA	NA	2230	3330	6970	9190	4500	4390	8040	4820	13600	42000	6600	2640	3730	3700	2250	3040	-	-	-
Manganese	2000	2000	1600	212	494	416	276	397	296	231	226	336	134 J+	137 J+	326 J+	328	291	204	285	-	-	-
Mercury	0.73	0.3	0.18	0.056 J	ND (0.08)	0.096 J	0.091 J	0.112	ND (0.076)	0.059 J	ND (0.077)	0.065 J	ND (0.091)	0.057 J	0.563	0.098	0.063 J	0.132	0.494	-	-	-
Nickel	130	320	30	12.9	13.8	20	18	16.4	12.8	17.4	12	18	8.26 J	16.8 J	11.7 J	15.5	13.8	20.1	10.7	-	-	-
Potassium	NA	NA	NA	524	666	1560	1760	886	1090	2190	1040	1970	370 J+	3150 J+	955 J+	1140 J-	1330 J-	635 J-	672 J-	-	-	-
Selenium	4	110	3.9	ND (1.71)	ND (1.79)	ND (1.91)	ND (1.88)	ND (1.98)	ND (1.83)	ND (1.86)	0.641 J	ND (1.89)	ND (3.53)	ND (1.73)	0.581 J	ND (1.66)	ND (1.77)	0.727 J	0.588 J	-	-	-
Silver	8.3	110	2	0.273 J	ND (0.447)	0.341 J	0.846	1.45	ND (0.456)	ND (0.466)	1.59	0.38 J	ND (0.882)	ND (0.433)	ND (0.435)	0.308 J	ND (0.442)	0.325 J	0.365 J	-	-	-
Sodium	NA	NA	NA	145 J	200	103 J	154 J	248	110 J	ND (186)	ND (356)	136 J	ND (353)	178	136 J	ND (166)	ND (177)	340 J+	1170 J+	-	-	-
Thallium	NA	NA	NA	ND (1.71)	ND (1.79)	ND (1.91)	ND (1.88)	ND (1.98)	ND (1.83)	ND (1.86)	ND (3.56)	ND (1.89)	ND (3.53)	ND (1.73)	ND (1.74)	ND (1.66)	ND (1.77)	ND (1.94)	ND (1.94)	-	-	-
Vanadium	NA	NA	NA	17	18.8	29.5	27.4	22.7	27.9	27.8	21.1	31.7	20 J-	30.6 J-	21.6 J-	28 J-	24 J-	25.4 J-	20.2 J-	-	-	-
Zinc	2480	6600	109	106 J-	28.1 J-	139	116	66.1	36	75.9	170	84.7	15.8 J	55 J	211 J	89.8 J-	45.1 J-	229 J-	1140 J-	-	-	-
TCLP Inorganic Compounds (mg/L)																						
Lead	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other																						
Total Solids (%)	NA	NA	NA	88.4	88.1	80.2	81.8	78.5	86.5	81.3	86.8	82.4	90.4	92.1	89.6	90.9	90.2	81.7	81.9	88.1	87.8	93.3
Cyanide (mg/kg)	40	13	2.3	ND (1.1) J	ND (1) J	ND (1.2) J	ND (1.1) J	ND (1.2) J	ND (1.1)	ND (1.1) J	0.34 J-	ND (1.1) J	ND (1.1)	ND (1)	ND (1.1)	ND (1) J	ND (1.1) J	ND (1.2) J	ND (1.2) J	-	-	-

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram
mg/L: milligram per liter
-: Not Analyzed
B: Compound was found in the blank and the associated sample.
bgs: below ground surface
F: Results are considered to be an estimated maximum concentration
ft: feet
I: The lower value for the two columns has been reported due to obvious interference.
J-: Value is estimated, low bias.
J: Value is estimated.
J+: Value is estimated, high bias.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
P: The RPD between the results for the two columns exceeds the method-specified criteria.
R: Rejected

- 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.
- ***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 Use Residential Soil Cleanup Objectives.

TABLE III
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Criteria Restricted Use Soil Cleanup Objectives - Protection of Groundwater 2025	Criteria NY Part 375 Restricted Residential Use Soil Cleanup Objectives 2025	Criteria NY Part 375 Unrestricted Use Soil Cleanup Objectives 2025	SB-103 SB-103_7-9_RS 03/16/2026 L2614270-09 7 - 9 (ft)	SB-106 SB-106_D_3-5_US 02/05/2026 L2606574-03 3 - 5 (ft)
Volatile Organic Compounds (mg/kg)					
1,1,1,2-Tetrachloroethane	NA	NA	NA	-	-
1,1,1-Trichloroethane	0.68	100	0.68	ND (0.027)	-
1,1,2,2-Tetrachloroethane	NA	NA	NA	-	-
1,1,2-Trichloroethane	NA	NA	NA	-	-
1,1-Dichloroethane	0.27	47	0.27	-	-
1,1-Dichloroethene	0.33	0.98	0.24	ND (0.054)	-
1,1-Dichloropropene	NA	NA	NA	-	-
1,2,3-Trichlorobenzene	NA	NA	NA	-	-
1,2,3-Trichloropropane	NA	NA	NA	-	-
1,2,4,5-Tetramethylbenzene	NA	NA	NA	-	-
1,2,4-Trichlorobenzene	NA	NA	NA	-	-
1,2,4-Trimethylbenzene	5.9	100	5.9	-	-
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	-	-
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	-	-
1,2-Dichlorobenzene	1.1	100	1.1	-	-
1,2-Dichloroethane	0.02	5.8	0.02	-	-
1,2-Dichloroethene (total)	NA	NA	NA	-	-
1,2-Dichloropropane	NA	NA	NA	-	-
1,3,5-Trimethylbenzene	3.1	100	3.1	-	-
1,3-Dichlorobenzene	2.6	38	2.6	-	-
1,3-Dichloropropane	NA	NA	NA	-	-
1,3-Dichloropropene	NA	NA	NA	-	-
1,4-Dichlorobenzene	1.8	24	1.8	-	-
1,4-Diethylbenzene	NA	NA	NA	-	-
1,4-Dioxane	0.1	5.7	0.1	-	-
2,2-Dichloropropane	NA	NA	NA	-	-
2-Butanone (Methyl Ethyl Ketone)	0.1	100	0.1	-	-
2-Chlorotoluene	NA	NA	NA	-	-
2-Hexanone (Methyl Butyl Ketone)	NA	NA	NA	-	-
2-Phenylbutane (sec-Butylbenzene)	25	100	25	-	-
4-Chlorotoluene	NA	NA	NA	-	-
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	NA	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	-	-
Acetone	0.03	100	0.03	-	-
Acrylonitrile	NA	NA	NA	-	-
Benzene	0.06	3.7	0.06	-	-
Bromobenzene	NA	NA	NA	-	-
Bromodichloromethane	NA	NA	NA	-	-
Bromoform	NA	NA	NA	-	-
Bromomethane (Methyl Bromide)	NA	NA	NA	-	-
Carbon disulfide	NA	NA	NA	-	-
Carbon tetrachloride	0.76	7.1	0.76	ND (0.054)	-
Chlorobenzene	4.5	100	4.5	-	-
Chlorobromomethane	NA	NA	NA	-	-
Chloroethane	NA	NA	NA	-	-
Chloroform (Trichloromethane)	0.37	24	0.37	-	-
Chloromethane (Methyl Chloride)	NA	NA	NA	-	-
cis-1,2-Dichloroethene	0.19	41	0.19	***3.2***	-
cis-1,3-Dichloropropene	NA	NA	NA	-	-
Cymene (p-Isopropyltoluene)	NA	NA	NA	-	-
Dibromochloromethane	NA	NA	NA	-	-
Dibromomethane	NA	NA	NA	-	-
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	-	-
Ethyl Ether	NA	NA	NA	-	-
Ethylbenzene	1	76	1	-	-
Hexachlorobutadiene	NA	NA	NA	-	-
Isopropylbenzene (Cumene)	NA	NA	NA	-	-
m,p-Xylenes	NA	NA	NA	-	-
Methyl Tert Butyl Ether (MTBE)	0.1	100	0.1	-	-
Methylene chloride (Dichloromethane)	0.05	81	0.05	ND (0.27)	-
Naphthalene	12	100	12	-	-
n-Butylbenzene	18	100	18	-	-
n-Propylbenzene	5	100	5	-	-
o-Xylene	NA	NA	NA	-	-
Styrene	NA	NA	NA	-	-
tert-Butylbenzene	11	100	11	-	-
Tetrachloroethene	1.3	18	1.3	***6.1***	-
Toluene	0.7	100	0.7	-	-
trans-1,2-Dichloroethene	0.19	100	0.19	-	-
trans-1,3-Dichloropropene	NA	NA	NA	-	-
trans-1,4-Dichloro-2-butene	NA	NA	NA	-	-
Trichloroethene	0.47	6.4	0.47	***1.4***	-
Trichlorofluoromethane (CFC-11)	NA	NA	NA	-	-
Vinyl acetate	NA	NA	NA	-	-
Vinyl chloride	0.03	0.48	0.03	ND (0.054)	-
Xylene (Total)	1.2	100	0.26	-	-

TABLE III
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria				
Location Name	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	SB-103	SB-106
Sample Name				SB-103_7-9_RS	SB-106_D_3-5_US
Sample Date				03/16/2026	02/05/2026
Lab Sample ID				L2614270-09	L2606574-03
Sample Depth (bgs)	2025	2025	2025	7 - 9 (ft)	3 - 5 (ft)
Semi-Volatile Organic Compounds (mg/kg)					
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	-	-
1,2,4-Trichlorobenzene	NA	NA	NA	-	-
1,2-Dichlorobenzene	1.1	100	1.1	-	-
1,3-Dichlorobenzene	2.6	38	2.6	-	-
1,4-Dichlorobenzene	1.8	24	1.8	-	-
1,4-Dioxane	0.1	5.7	0.1	-	-
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	-	-
2,4,5-Trichlorophenol	NA	NA	NA	-	-
2,4,6-Trichlorophenol	NA	NA	NA	-	-
2,4-Dichlorophenol	NA	NA	NA	-	-
2,4-Dimethylphenol	NA	NA	NA	-	-
2,4-Dinitrophenol	NA	NA	NA	-	-
2,4-Dinitrotoluene	NA	NA	NA	-	-
2,6-Dinitrotoluene	NA	NA	NA	-	-
2-Chloronaphthalene	NA	NA	NA	-	-
2-Chlorophenol	NA	NA	NA	-	-
2-Methylnaphthalene	NA	NA	NA	-	-
2-Methylphenol (o-Cresol)	0.33	100	0.33	-	-
2-Nitroaniline	NA	NA	NA	-	-
2-Nitrophenol	NA	NA	NA	-	-
3&4-Methylphenol	NA	NA	NA	-	-
3,3'-Dichlorobenzidine	NA	NA	NA	-	-
3-Nitroaniline	NA	NA	NA	-	-
4,6-Dinitro-2-methylphenol	NA	NA	NA	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	NA	-	-
4-Chloro-3-methylphenol	NA	NA	NA	-	-
4-Chloroaniline	NA	NA	NA	-	-
4-Chlorophenyl phenyl ether	NA	NA	NA	-	-
4-Nitroaniline	NA	NA	NA	-	-
4-Nitrophenol	NA	NA	NA	-	-
Acenaphthene	98	100	20	-	-
Acenaphthylene	365	100	100	-	-
Acetophenone	NA	NA	NA	-	-
Anthracene	1000	100	100	-	-
Benzo(a)anthracene	1	1.4	1	-	-
Benzo(a)pyrene	22	1	1	-	-
Benzo(b)fluoranthene	2.1	1.4	1	-	-
Benzo(g,h,i)perylene	1000	4.9	0.64	-	-
Benzo(k)fluoranthene	2	4.9	0.8	-	-
Benzoic acid	NA	NA	NA	-	-
Benzyl Alcohol	NA	NA	NA	-	-
Biphenyl	NA	NA	NA	-	-
bis(2-Chloroethoxy)methane	NA	NA	NA	-	-
bis(2-Chloroethyl)ether	NA	NA	NA	-	-
bis(2-Ethylhexyl)phthalate	NA	NA	NA	-	-
Butyl benzylphthalate (BBP)	NA	NA	NA	-	-
Carbazole	NA	NA	NA	-	-
Chrysene	1	4.9	1	-	-
Dibenz(a,h)anthracene	1000	0.33	0.33	-	-
Dibenzofuran	110	18	2.1	-	-
Diethyl phthalate	NA	NA	NA	-	-
Dimethyl phthalate	NA	NA	NA	-	-
Di-n-butylphthalate (DBP)	NA	NA	NA	-	-
Di-n-octyl phthalate (DnOP)	NA	NA	NA	-	-
Fluoranthene	1000	100	85	-	-
Fluorene	386	100	30	-	-
Hexachlorobenzene	3.2	0.33	0.33	-	-
Hexachlorobutadiene	NA	NA	NA	-	-
Hexachlorocyclopentadiene	NA	NA	NA	-	-
Hexachloroethane	NA	NA	NA	-	-
Indeno(1,2,3-cd)pyrene	6.6	1.4	0.5	-	-
Isophorone	NA	NA	NA	-	-
Naphthalene	12	100	12	-	-
Nitrobenzene	0.08	1.8	0.08	-	-
N-Nitrosodi-n-propylamine	NA	NA	NA	-	-
N-Nitrosodiphenylamine	NA	NA	NA	-	-
Pentachlorophenol	0.8	1.3	0.8	-	-
Phenanthrene	1000	4.9	1.1	-	-
Phenol	0.33	100	0.33	-	-
Pyrene	1000	100	64	-	-

TABLE III
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria				
Location Name	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	SB-103	SB-106
Sample Name	2025	2025	2025	SB-103_7-9_RS	SB-106_D_3-5_US
Sample Date				03/16/2026	02/05/2026
Lab Sample ID				L2614270-09	L2606574-03
Sample Depth (bgs)				7 - 9 (ft)	3 - 5 (ft)
PFAS (mg/kg)					
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	NA	NA	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	NA	NA	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	NA	NA	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	NA	NA	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	NA	NA	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	NA	NA	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	NA	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	NA	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	NA	NA	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	NA	NA	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	NA	NA	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	NA	NA	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NA	NA	NA	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	NA	NA	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	NA	NA	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	NA	NA	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	NA	NA	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	NA	NA	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	NA	NA	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	NA	NA	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	NA	NA	-	-
Perfluorobutanoic acid (PFBA)	NA	NA	NA	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	NA	NA	-	-
Perfluorodecanoic acid (PFDA)	NA	NA	NA	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	NA	NA	-	-
Perfluorododecanoic acid (PFDoDA)	NA	NA	NA	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	NA	-	-
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	NA	-	-
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	-	-
Perfluorononane sulfonic acid (PFNS)	NA	NA	NA	-	-
Perfluorononanoic acid (PFNA)	NA	NA	NA	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	NA	NA	-	-
Perfluorooctanesulfonic acid (PFOS)	0.001	0.044	0.00088	-	-
Perfluorooctanoic acid (PFOA)	0.0008	0.033	0.00066	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	NA	NA	-	-
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	NA	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	NA	NA	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	NA	NA	-	-
Pesticides (mg/kg)					
4,4'-DDD	14	5	0.0033	-	-
4,4'-DDE	9.3	3.4	0.0033	-	-
4,4'-DDT	135	3.8	0.0033	-	-
Aldrin	0.19	0.044	0.0048	-	-
alpha-BHC	0.02	0.18	0.02	-	-
alpha-Chlordane (cis)	4.5	0.65	0.014	-	-
beta-BHC	0.09	0.18	0.021	-	-
Chlordane	NA	NA	NA	-	-
delta-BHC	0.1	100	0.04	-	-
Dieldrin	0.1	0.075	0.005	-	-
Endosulfan I	65	35	4.3	-	-
Endosulfan II	44	35	4.3	-	-
Endosulfan sulfate	47	35	4.3	-	-
Endrin	0.06	5.3	0.014	-	-
Endrin aldehyde	NA	NA	NA	-	-
Endrin ketone	NA	NA	NA	-	-
gamma-BHC (Lindane)	0.05	0.21	0.025	-	-
gamma-Chlordane (trans)	NA	NA	NA	-	-
Heptachlor	0.38	0.53	0.013	-	-
Heptachlor epoxide	NA	NA	NA	-	-
Methoxychlor	NA	NA	NA	-	-
Toxaphene	NA	NA	NA	-	-
Polychlorinated Biphenyls (mg/kg)					
Aroclor-1016 (PCB-1016)	NA	NA	NA	-	-
Aroclor-1221 (PCB-1221)	NA	NA	NA	-	-
Aroclor-1232 (PCB-1232)	NA	NA	NA	-	-
Aroclor-1242 (PCB-1242)	NA	NA	NA	-	-
Aroclor-1248 (PCB-1248)	NA	NA	NA	-	-
Aroclor-1254 (PCB-1254)	NA	NA	NA	-	-
Aroclor-1260 (PCB-1260)	NA	NA	NA	-	-
Aroclor-1262 (PCB-1262)	NA	NA	NA	-	-
Aroclor-1268 (PCB-1268)	NA	NA	NA	-	-
Polychlorinated biphenyls (PCBs)	3.2	1	0.1	-	-

TABLE III
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria				
Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Restricted Use Soil Cleanup Objectives - Protection of Groundwater 2025	NY Part 375 Restricted Residential Use Soil Cleanup Objectives 2025	NY Part 375 Unrestricted Use Soil Cleanup Objectives 2025	SB-103 SB-103_7-9_RS 03/16/2026 L2614270-09 7 - 9 (ft)	SB-106 SB-106_D_3-5_US 02/05/2026 L2606574-03 3 - 5 (ft)
Inorganic Compounds (mg/kg)					
Aluminum	NA	NA	NA	-	-
Antimony	NA	NA	NA	-	-
Arsenic	16	16	13	-	-
Barium	820	410	410	-	-
Beryllium	47	43	4.4	-	-
Cadmium	7.5	2.5	2.5	-	-
Calcium	NA	NA	NA	-	-
Chromium	NA	NA	NA	-	-
Chromium VI (Hexavalent)	19	1	1	-	-
Cobalt	NA	NA	NA	-	-
Copper	1720	280	50	-	-
Iron	NA	NA	NA	-	-
Lead	450	400	63	-	24.8 J-
Magnesium	NA	NA	NA	-	-
Manganese	2000	2000	1600	-	-
Mercury	0.73	0.3	0.18	-	-
Nickel	130	320	30	-	-
Potassium	NA	NA	NA	-	-
Selenium	4	110	3.9	-	-
Silver	8.3	110	2	-	-
Sodium	NA	NA	NA	-	-
Thallium	NA	NA	NA	-	-
Vanadium	NA	NA	NA	-	-
Zinc	2480	6600	109	-	-
TCLP Inorganic Compounds (mg/L)					
Lead	NA	NA	NA	-	ND (0.5)
Other					
Total Solids (%)	NA	NA	NA	91.9	85.7
Cyanide (mg/kg)	40	13	2.3	-	-

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram
mg/L: milligram per liter
-: Not Analyzed
B: Compound was found in the blank and the associated sample.
bgs: below ground surface
F: Results are considered to be an estimated maximum concentration
ft: feet
I: The lower value for the two columns has been reported due to obvious interference.
J-: Value is estimated, low bias.
J: Value is estimated.
J+: Value is estimated, high bias.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
P: The RPD between the results for the two columns exceeds the method-specified criteria.
R: Rejected

- 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.
- ***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 Use Residential Soil Cleanup Objectives.

TABLE IV
SUMMARY OF GROUDWATER QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria												
Location Name	New York TOGS	RI-MW-01	RI-MW-02	RI-MW-03	RI-MW-03	RI-MW-04	RI-MW-05	RI-MW-06	RI-MW-07	RI-MW-08	RI-MW-09	RI-MW-10	RI-MW-11
Sample Name	111 Ambient	RI-MW-01_20260225	RI-MW-02_20260226	RI-MW-03_20260225	DUP-01_20260225	RI-MW-04_20260225	RI-MW-05_20260226	RI-MW-06_20260226	RI-MW-07_20260225	RI-MW-08_20260224	RI-MW-09_20260226	RI-MW-10_20260225	RI-MW-11_20260226
Sample Date	Water Quality	02/25/2026	02/26/2026	02/25/2026	02/25/2026	02/25/2026	02/26/2026	02/26/2026	02/25/2026	02/24/2026	02/26/2026	02/25/2026	02/26/2026
Lab Sample ID	Standards	L2610053-03	L2610320-05	L2610053-04	L2610053-05	L2610053-07	L2610320-03	L2610320-06	L2610053-08	L2609875-01	L2610320-07	L2610053-06	L2610320-04
Volatile Organic Compounds (ug/L)													
1,1,1,2-Tetrachloroethane	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,1,1-Trichloroethane	5	0.7 J	ND (2.5)	0.76 J	0.79 J	1.2 J	ND (2.5)	ND (2.5)	0.88 J	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,1,2,2-Tetrachloroethane	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)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	1	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	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 (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,1-Dichloroethene	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)	ND (0.5)	ND (0.5)
1,1-Dichloropropene	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2,3-Trichlorobenzene	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2,3-Trichloropropane	0.04	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2,4,5-Tetramethylbenzene	5	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
1,2,4-Trichlorobenzene	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2,4-Trimethylbenzene	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2-Dibromo-3-chloropropane (DBCP)	0.04	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
1,2-Dichlorobenzene	3	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2-Dichloroethane	0.6	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)	ND (0.5)	ND (0.5)
1,2-Dichloroethene (total)	NA	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2-Dichloropropane	1	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,3,5-Trimethylbenzene	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,3-Dichlorobenzene	3	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,3-Dichloropropane	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,3-Dichloropropene	0.4	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)	ND (0.5)	ND (0.5)
1,4-Dichlorobenzene	3	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,4-Diethylbenzene	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
1,4-Dioxane	0.35	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)
2,2-Dichloropropane	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
2-Butanone (Methyl Ethyl Ketone)	50	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	2.7 J
2-Chlorotoluene	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
2-Hexanone (Methyl Butyl Ketone)	50	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Phenylbutane (sec-Butylbenzene)	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
4-Chlorotoluene	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	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 (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Acetone	50	ND (5)	1.6 J	1.8 J	ND (5)	ND (5)	4.9 J	5.2	ND (5)	1.5 J	ND (5)	ND (5)	16
Acrylonitrile	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Benzene	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)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromobenzene	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Bromodichloromethane	50	0.31 J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	3.3	ND (0.5)	ND (0.5)	ND (0.5)
Bromoform	50	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Bromomethane (Methyl Bromide)	5	ND (2.5) J	ND (2.5)	ND (2.5) J	ND (2.5) J	ND (2.5) J	ND (2.5)	ND (2.5)	ND (2.5) J	ND (2.5)	ND (2.5)	ND (2.5) J	ND (2.5)
Carbon disulfide	60	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Carbon tetrachloride	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)	ND (0.5)	ND (0.5)
Chlorobenzene	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Chlorobromomethane	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Chloroethane	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Chloroform (Trichloromethane)	7	7.8	ND (2.5)	1.5 J	1.4 J	0.74 J	ND (2.5)	ND (2.5)	ND (2.5)	24	ND (2.5)	1.5 J	ND (2.5)
Chloromethane (Methyl Chloride)	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
cis-1,2-Dichloroethene	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
cis-1,3-Dichloropropene	0.4	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)	ND (0.5)	ND (0.5)
Cymene (p-Isopropyltoluene)	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Dibromochloromethane	50	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)	ND (0.5)	ND (0.5)
Dibromomethane	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Dichlorodifluoromethane (CFC-12)	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Ethyl Ether	NA	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Ethylbenzene	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Hexachlorobutadiene	0.5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Isopropylbenzene (Cumene)	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
m,p-Xylenes	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Methyl Tert Butyl Ether (MTBE)	10	ND (2.5) J	ND (2.5)	ND (2.5) J	ND (2.5) J	ND (2.5) J	ND (2.5)	ND (2.5)	ND (2.5) J	ND (2.5)	ND (2.5)	ND (2.5) J	ND (2.5)
Methylene chloride (Dichloromethane)	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Naphthalene	10	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
n-Butylbenzene	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
n-Propylbenzene	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
o-Xylene	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Styrene	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
tert-Butylbenzene	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Tetrachloroethene	5	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.19 J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Toluene	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
trans-1,2-Dichloroethene	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
trans-1,3-Dichloropropene	0.4	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)	ND (0.5)	ND (0.5)
trans-1,4-Dichloro-2-butene	5	ND (2.5) 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)	ND (2.5)	ND (2.5)	ND (2.5)
Trichloroethene	5	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.63	ND (0.5)	1.8	2.4	ND (0.5)	0.5	ND (0.5)	ND (0.5)
Trichlorofluoromethane (CFC-11)	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Vinyl acetate	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Vinyl chloride	2	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Xylene (Total)	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)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)

TABLE IV
SUMMARY OF GROUDWATER QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria												
Location Name	New York TOGS	RI-MW-01	RI-MW-02	RI-MW-03	RI-MW-03	RI-MW-04	RI-MW-05	RI-MW-06	RI-MW-07	RI-MW-08	RI-MW-09	RI-MW-10	RI-MW-11
Sample Name	111 Ambient	RI-MW-01_20260225	RI-MW-02_20260226	RI-MW-03_20260225	DUP-01_20260225	RI-MW-04_20260225	RI-MW-05_20260226	RI-MW-06_20260226	RI-MW-07_20260225	RI-MW-08_20260224	RI-MW-09_20260226	RI-MW-10_20260225	RI-MW-11_20260226
Sample Date	Water Quality	02/25/2026	02/26/2026	02/25/2026	02/25/2026	02/25/2026	02/26/2026	02/26/2026	02/25/2026	02/24/2026	02/26/2026	02/25/2026	02/26/2026
Lab Sample ID	Standards	L2610053-03	L2610320-05	L2610053-04	L2610053-05	L2610053-07	L2610320-03	L2610320-06	L2610053-08	L2609875-01	L2610320-07	L2610053-06	L2610320-04
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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	ND (5)	ND (5)
3,3'-Dichlorobenzidine	5	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	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)	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)	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)	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)	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)	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)	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)	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)	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)	ND (5)	ND (5)
Benzoic acid	NA	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	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)	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)	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)	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)	ND (2)	ND (2)
bis(2-Ethylhexyl)phthalate	5	ND (3)	ND (3)	ND (3)	ND (3)	12	ND (3)	ND (3)	3.1	ND (3)	ND (3)	1.8 J	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	ND (2)	ND (2)
Phenol	1	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Semi-Volatile Organic Compounds (SIM) (ug/L)													
1,4-Dioxane	0.35	ND (0.3)	ND (0.294)	0.338 J+	ND (0.283)	ND (0.288)	ND (0.319)	ND (0.288)	ND (0.3)	0.293 J+	0.382 J+	ND (0.288)	0.6 J+
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)	ND (0.2)	ND (0.2)
2-Methylnaphthalene	NA	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	0.06 J	ND (0.1)	ND (0.1)	0.05 J	0.03 J	0.04 J	ND (0.1)
Acenaphthene	20	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	0.04 J	0.24	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Acenaphthylene	NA	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	0.11	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Anthracene	50	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	0.03 J	0.34	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Benzo(a)anthracene	0.002	0.03 J	ND (0.1)	0.04 J	ND (0.1)	0.04 J	1.2	ND (0.1)	0.06 J	0.04 J	0.03 J	ND (0.1)	0.06 J
Benzo(a)pyrene	0	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	1.3	ND (0.1)	ND (0.1)	0.03 J	ND (0.1)	ND (0.1)	0.05 J
Benzo(b)fluoranthene	0.002	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	1.5	ND (0.1)	0.04 J	0.05 J	0.03 J	ND (0.1)	0.08 J
Benzo(g,h,i)perylene	NA	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	0.83	ND (0.1)	ND (0.1)	0.04 J	ND (0.1)	ND (0.1)	0.05 J
Benzo(k)fluoranthene	0.002	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	0.55	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Chrysene	0.002	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	1.1	ND (0.1)	0.04 J	ND (0.1)	ND (0.1)	ND (0.1)	0.05 J
Dibenz(a,h)anthracene	NA	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	0.19	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Fluoranthene	50	ND (0.1)	ND (0.1)	ND (0.1)	0.04 J	0.09 J	2.4	ND (0.1)	0.06 J	0.07 J	0.07 J	ND (0.1)	0.07 J
Fluorene	50	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	0.04 J	0.13	ND (0.1)	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)	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)	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)	ND (0.8)	ND (0.8)
Indeno(1,2,3-cd)pyrene	0.002	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	0.85	ND (0.1)	ND (0.1)	0.04 J	ND (0.1)	ND (0.1)	0.05 J
Naphthalene	10	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	0.05 J	0.09 J	ND (0.1)	ND (0.1)	ND (0.1)	0.06 J	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)	ND (0.8)	ND (0.8)
Phenanthrene	50	ND (0.1)	ND (0.1)	0.05 J	0.07 J	0.19	1.1	0.04 J	0.06 J	0.09 J	ND (0.1)	0.08 J	ND (0.1)
Pyrene	50	ND (0.1)	ND (0.1)	ND (0.1)	0.04 J	0.07 J	2.1	ND (0.1)	0.08 J	0.07 J	0.08 J	ND (0.1)	0.08 J

TABLE IV
SUMMARY OF GROUDWATER QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria												
Location Name	New York TOGS	RI-MW-01	RI-MW-02	RI-MW-03	RI-MW-03	RI-MW-04	RI-MW-05	RI-MW-06	RI-MW-07	RI-MW-08	RI-MW-09	RI-MW-10	RI-MW-11
Sample Name	111 Ambient	RI-MW-01_20260225	RI-MW-02_20260226	RI-MW-03_20260225	DUP-01_20260225	RI-MW-04_20260225	RI-MW-05_20260226	RI-MW-06_20260226	RI-MW-07_20260225	RI-MW-08_20260224	RI-MW-09_20260226	RI-MW-10_20260225	RI-MW-11_20260226
Sample Date	Water Quality	02/25/2026	02/26/2026	02/25/2026	02/25/2026	02/25/2026	02/26/2026	02/26/2026	02/25/2026	02/24/2026	02/26/2026	02/25/2026	02/26/2026
Lab Sample ID	Standards	L2610053-03	L2610320-05	L2610053-04	L2610053-05	L2610053-07	L2610320-03	L2610320-06	L2610053-08	L2609875-01	L2610320-07	L2610053-06	L2610320-04
PFAS (ug/L)													
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.0397)	ND (0.0393)	ND (0.037)	ND (0.0377)	ND (0.038)	ND (0.0413)	ND (0.0358)	ND (0.0398)	ND (0.0412)	ND (0.0416)	ND (0.0397)	ND (0.0437)
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.0397)	ND (0.0393)	ND (0.037)	ND (0.0377)	ND (0.038)	ND (0.0413)	ND (0.0358)	ND (0.0398)	ND (0.0412)	ND (0.0416)	ND (0.0397)	ND (0.0437)
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.00794)	ND (0.00787)	ND (0.0074)	ND (0.00754)	ND (0.0076)	ND (0.00825)	ND (0.00717)	ND (0.00797)	ND (0.00823)	ND (0.00833)	ND (0.00793)	ND (0.00874)
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.00635)	ND (0.0063)	ND (0.00592)	ND (0.00603)	ND (0.00608)	ND (0.0066)	ND (0.00573)	ND (0.00637)	ND (0.00658)	ND (0.00666)	ND (0.00635)	ND (0.00699)
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.00635)	ND (0.0063)	ND (0.00592)	ND (0.00603)	ND (0.00608)	ND (0.0066)	ND (0.00573)	ND (0.00637)	ND (0.00658)	ND (0.00666)	ND (0.00635)	ND (0.00699)
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.00635)	ND (0.0063)	ND (0.00592)	ND (0.00603)	ND (0.00608)	ND (0.0066)	ND (0.00573)	ND (0.00637)	ND (0.00658)	ND (0.00666)	ND (0.00635)	ND (0.00699)
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	ND (0.00635)	ND (0.0063)	ND (0.00592)	ND (0.00603)	ND (0.00608)	ND (0.0066)	ND (0.00573)	ND (0.00637)	ND (0.00658)	ND (0.00666)	ND (0.00635)	ND (0.00699)
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.00159)	ND (0.00157)	ND (0.00148)	ND (0.00151)	ND (0.00152)	ND (0.00165)	ND (0.00143)	ND (0.00159)	ND (0.00165)	ND (0.00166)	ND (0.00159)	ND (0.00175)
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.00159)	ND (0.00157) J	ND (0.00148)	ND (0.00151)	ND (0.00152)	0.00218	ND (0.00143)	ND (0.00159)	ND (0.00165)	0.0012 J	ND (0.00159)	0.00192 J
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.0159)	ND (0.0157) J	ND (0.0148)	ND (0.0151) J	ND (0.0152)	ND (0.0165) J	ND (0.0143) J	ND (0.0159)	ND (0.0165)	ND (0.0166) J	ND (0.0159)	ND (0.0175) J
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NA	ND (0.00159)	ND (0.00157)	ND (0.00148)	ND (0.00151)	ND (0.00152)	ND (0.00165)	ND (0.00143)	ND (0.00159)	ND (0.00165)	ND (0.00166)	ND (0.00159)	ND (0.016)
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.00159)	ND (0.00157)	ND (0.00148)	ND (0.00151)	ND (0.00152)	0.000677 J	ND (0.00143)	ND (0.00159)	ND (0.00165)	ND (0.00166)	ND (0.00159)	0.000908 J
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.0159)	ND (0.0157) J	ND (0.0148)	ND (0.0151) J	ND (0.0152)	ND (0.0165) J	ND (0.0143) J	ND (0.0159)	ND (0.0165)	ND (0.0166) J	ND (0.0159)	ND (0.0175) J
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.00318)	ND (0.00315)	ND (0.00296)	ND (0.00301)	ND (0.00304)	ND (0.0033)	ND (0.00287)	ND (0.00319)	ND (0.00329)	ND (0.00333)	ND (0.00317)	ND (0.00349)
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.00318)	ND (0.00315)	ND (0.00296)	ND (0.00301)	ND (0.00304)	ND (0.0033)	ND (0.00287)	ND (0.00319)	ND (0.00329)	ND (0.00333)	ND (0.00317)	ND (0.00349)
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.00318)	ND (0.00315)	ND (0.00296)	ND (0.00301)	ND (0.00304)	ND (0.0033)	ND (0.00287)	ND (0.00319)	ND (0.00329)	ND (0.00333)	ND (0.00317)	ND (0.00349)
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.00635)	ND (0.0063)	ND (0.00592)	ND (0.00603)	ND (0.00608)	ND (0.0066)	ND (0.00573)	ND (0.00637)	ND (0.00658)	ND (0.00666)	ND (0.00635)	ND (0.00699)
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.00318)	ND (0.00315)	ND (0.00296)	ND (0.00301)	ND (0.00304)	ND (0.0033)	ND (0.00287)	ND (0.00319)	ND (0.00329)	ND (0.00333)	ND (0.00317)	ND (0.00349)
Perfluorobutanesulfonic acid (PFBS)	NA	0.00314	0.00244	0.000991 J	0.00122 J	0.00503	0.00472	0.00494	0.00507	ND (0.00165)	0.00761	0.0229	0.00269
Perfluorobutanoic acid (PFBA)	NA	0.00859	0.0094	0.00553 J	0.00546 J	0.0167	0.0162	0.0175	0.0147	ND (0.00658)	0.0129	0.0148	0.0124
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.00159)	ND (0.00157)	ND (0.00148)	ND (0.00151)	ND (0.00152)	ND (0.00165)	ND (0.00143)	ND (0.00159)	ND (0.00165)	ND (0.00166)	ND (0.00159)	ND (0.00175)
Perfluorodecanoic acid (PFDA)	NA	ND (0.00159)	ND (0.00157)	ND (0.00148)	ND (0.00151)	ND (0.00152)	0.000809 J	ND (0.00143)	ND (0.00159)	ND (0.00165)	ND (0.00166)	ND (0.00159)	0.000646 J
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.00159)	ND (0.00157)	ND (0.00148)	ND (0.00151)	ND (0.00152)	ND (0.00165)	ND (0.00143)	ND (0.00159)	ND (0.00165)	ND (0.00166)	ND (0.00159)	ND (0.00175)
Perfluorododecanoic acid (PFDoDA)	NA	ND (0.00159)	ND (0.00157) J	ND (0.00148)	ND (0.00151)	ND (0.00152)	ND (0.00165) J	ND (0.00143) J	ND (0.00159)	ND (0.00165)	ND (0.00166)	ND (0.00159)	ND (0.00175) J
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.00159)	ND (0.00157)	0.000503 J	ND (0.00151)	0.00214	0.000842 J	0.00295	0.00226	0.000757 J	0.000516 J	0.000555 J	0.000681 J
Perfluoroheptanoic acid (PFHpA)	NA	0.00666	0.00609	0.0079	0.0079	0.00911	0.014	0.0132	0.00953	ND (0.00165)	0.0133	0.0114	0.00963
Perfluorohexanesulfonic acid (PFHxS)	NA	0.00254	0.0026	0.00136 J	0.00119 J	0.00537	0.00538	0.0189	0.0054	0.00084 J	0.00486	0.00652	0.00231
Perfluorohexanoic acid (PFHxA)	NA	0.0136	0.0116	0.0116	0.0111	0.0266	0.0297	0.021	0.0166	ND (0.00165)	0.0194	0.0265	0.0127
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.00159)	ND (0.00157)	ND (0.00148)	ND (0.00151)	ND (0.00152)	ND (0.00165)	ND (0.00143)	ND (0.00159)	ND (0.00165)	ND (0.00166)	ND (0.00159)	ND (0.00175)
Perfluorononanoic acid (PFNA)	NA	0.00135 J	0.000803 J	0.000458 J	0.000452 J	0.00117 J	0.00231	0.00138 J	0.00118 J	ND (0.00165)	0.00118 J	0.00184	0.00307
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.00159)	ND (0.016)	ND (0.00148)	ND (0.00151)	ND (0.00152)	ND (0.00165)	ND (0.00143)	ND (0.00159)	ND (0.00165)	ND (0.00166)	ND (0.00159)	ND (0.016) J
Perfluorooctanesulfonic acid (PFOS)	0.0027	0.00894	0.00576	0.00497	0.00497	0.0531	0.02	0.0273	0.0324	0.041	0.00888	0.0395	0.0201
Perfluorooctanoic acid (PFOA)	0.0067	0.0182	0.0183	0.0108	0.0091	0.043	0.0555	0.0755	0.0444	0.00311	0.0539	0.0496	0.0466
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.00159)	ND (0.00157)	ND (0.00148)	ND (0.00151)	0.000882 J	0.000974 J	0.00139 J	0.00116 J	ND (0.00165)	0.0005 J	0.000698 J	ND (0.00175)
Perfluoropentanoic acid (PFPeA)	NA	0.0127	0.0158	0.0149	0.0138	0.0414	0.033	0.0318	0.0248	ND (0.00329)	0.0202	0.0286	0.0233
Perfluorotetradecanoic acid (PFTeDA)	NA	ND (0.00159)	ND (0.00157) J	ND (0.00148)	ND (0.00151) J	ND (0.00152)	ND (0.00165) J	ND (0.00143) J	ND (0.00159)	ND (0.00165)	ND (0.00166) J	ND (0.00159)	ND (0.00175) J
Perfluorotridecanoic acid (PFTrDA)	NA	ND (0.00159)	ND (0.00157) J	ND (0.00148)	ND (0.00151) J	ND (0.00152)	ND (0.00165) J	ND (0.00143) J	ND (0.00159)	ND (0.00165)	ND (0.00166) J	ND (0.00159)	ND (0.00175) J
Perfluoroundecanoic acid (PFUnDA)	NA	ND (0.00159)	ND (0.00157) J	ND (0.00148)	ND (0.00151)	ND (0.00152)	ND (0.00165)	ND (0.00143)	ND (0.00159)	ND (0.00165)	ND (0.00166)	ND (0.00159)	ND (0.00175) J
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)	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)	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)	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)	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)	ND (0.014)
alpha-Chlordane (cis)	NA	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
beta-BHC	0.04	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
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)	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)	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)	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)	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)	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)	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)	ND (0.029)
Endrin aldehyde	5	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)
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)	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)	ND (0.014)
gamma-Chlordane (trans)	NA	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.015 J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
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)	ND (0.014)	ND (0.014)	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)	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)	ND (0.143)
Toxaphene	0.06	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)	ND (0.2)	ND (0.2)
Polychlorinated Biphenyls (ug/L)													
Aroclor-1016 (PCB-1016)	NA	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.089)	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 (0.089)	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 (0.089)	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 (0.089)	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)	0.243	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)	0.172	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 (0.089)	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 (0.089)	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 (0.089)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)
Polychlorinated biphenyls (PCBs)	0.09	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	0.415	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)

TABLE IV
SUMMARY OF GROUDWATER QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria												
Location Name	New York TOGS	RI-MW-01	RI-MW-02	RI-MW-03	RI-MW-03	RI-MW-04	RI-MW-05	RI-MW-06	RI-MW-07	RI-MW-08	RI-MW-09	RI-MW-10	RI-MW-11
Sample Name	111 Ambient	RI-MW-01_20260225	RI-MW-02_20260226	RI-MW-03_20260225	DUP-01_20260225	RI-MW-04_20260225	RI-MW-05_20260226	RI-MW-06_20260226	RI-MW-07_20260225	RI-MW-08_20260224	RI-MW-09_20260226	RI-MW-10_20260225	RI-MW-11_20260226
Sample Date	Water Quality	02/25/2026	02/26/2026	02/25/2026	02/25/2026	02/25/2026	02/26/2026	02/26/2026	02/25/2026	02/24/2026	02/26/2026	02/25/2026	02/26/2026
Lab Sample ID	Standards	L2610053-03	L2610320-05	L2610053-04	L2610053-05	L2610053-07	L2610320-03	L2610320-06	L2610053-08	L2609875-01	L2610320-07	L2610053-06	L2610320-04
Inorganic Compounds (ug/L)													
Aluminum, Dissolved	NA	ND (20)	ND (118)	ND (20)	ND (20)	ND (20)	ND (118)	ND (100)	ND (20)	25.4	ND (100)	ND (20)	ND (118)
Antimony, Dissolved	3	ND (4)	ND (40)	ND (4)	ND (4)	ND (4)	ND (40)	ND (40)	ND (4)	ND (4)	ND (40)	ND (4)	ND (40)
Arsenic, Dissolved	25	0.22 J	ND (5)	0.21 J	0.22 J	0.17 J	2.1 J	ND (5)	0.44 J	0.39 J	ND (5)	ND (0.5)	ND (5)
Barium, Dissolved	1000	72.59	45.78	42.74	46.67	189.3	74.36	158.3	134.2	9.29	86.98	104.7	225.3
Beryllium, Dissolved	3	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (5)	ND (0.5)	ND (5)
Cadmium, Dissolved	5	ND (0.2)	ND (2)	0.09 J	0.14 J	ND (0.2)	ND (2)	ND (2)	ND (0.2)	ND (0.2)	ND (2)	ND (0.2)	ND (2)
Calcium, Dissolved	NA	72100	296000	72800	76900	99800	323000	121000	122000	6340	84100	58600	404000
Chromium, Dissolved	50	1.47	ND (10)	0.37 J	0.37 J	0.39 J	ND (10)	ND (10)	1.31	0.25 J	ND (10)	0.34 J	ND (10)
Cobalt, Dissolved	NA	0.98	ND (5)	1.42 J	2.66 J	3.56	ND (5)	3.48 J	0.29 J	0.23 J	ND (5)	0.68	3.39 J
Copper, Dissolved	200	0.54 J	ND (10)	1.44	1.57	0.72 J	ND (10)	ND (10)	1.52	1.47	ND (10)	0.67 J	ND (10)
Iron, Dissolved	300	ND (50)	ND (500)	ND (50)	ND (50)	23.1 J	ND (500)	ND (500)	21.1 J	40.1 J	ND (500)	ND (50)	ND (500)
Lead, Dissolved	25	ND (1)	ND (10)	ND (1)	ND (1)	ND (1)	ND (10)	ND (10)	ND (1)	ND (1)	ND (10)	ND (1)	ND (10)
Magnesium, Dissolved	35000	26000	848000	22300	23700	32400	674000	36700	132000	1320	23000	15500	629000
Manganese, Dissolved	300	158.4	18.38	696.5 J	1229 J	605.6	49.07	375.6	25.85	32.12	105.6	369.2	8868
Mercury, Dissolved	0.7	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)	ND (0.2)	ND (0.2)
Nickel, Dissolved	100	1.78 J	ND (20)	6.51	8.06	4.75	ND (20)	6.16 J	2.17	0.65 J	7.58 J	5.61	ND (20)
Potassium, Dissolved	NA	3440	249000	7730	7540	5690	199000	8520	35100	687	4400	5260	176000
Selenium, Dissolved	10	ND (5)	ND (50)	ND (5)	ND (5)	2.96 J	ND (50)	ND (50)	ND (500)	ND (5)	ND (50)	2.64 J	ND (50)
Silver, Dissolved	50	ND (0.4)	ND (4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (4)	ND (4)	ND (0.4)	ND (0.4)	ND (4)	ND (0.4)	ND (4)
Sodium, Dissolved	20000	50100	6660000	50800	53000	101000	5420000	114000	964000	9450	86200	77000	5140000
Thallium, Dissolved	0.5	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (5)
Vanadium, Dissolved	NA	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (50)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5)	ND (50)
Zinc, Dissolved	2000	ND (10)	ND (100)	ND (10)	ND (10)	ND (10)	ND (100)	ND (100)	ND (10)	ND (10)	ND (100)	ND (10)	ND (100)
Aluminum, Total	NA	73.2	146	1820 J	7680 J	2170	266	415	2780	4120	1920	1210	424
Antimony, Total	3	ND (4)	ND (40)	ND (4)	ND (4)	ND (4)	ND (40)	ND (40)	ND (4)	ND (4)	ND (40)	ND (4)	ND (40)
Arsenic, Total	25	0.23 J	1.89 J	0.3 J	0.94 J	0.53	2.7 J	ND (5)	2.83	1.19	ND (5)	0.21 J	1.87 J
Barium, Total	1000	76.83	48.15	64.89 J	141.2 J	239.2	83.36	163.3	175.1	70.37	105.2	129.5	236.3
Beryllium, Total	3	ND (1)	ND (5)	ND (1)	0.31 J	0.14 J	ND (5)	ND (5)	0.15 J	0.13 J	ND (5)	ND (1)	ND (5)
Cadmium, Total	5	ND (0.2)	ND (2)	0.15 J	0.28	ND (0.2)	ND (2)	ND (2)	0.13 J	ND (0.2)	ND (2)	ND (0.2)	ND (2)
Calcium, Total	NA	75300	269000	76700	87000	108000	296000	113000	123000	7880	75900	62700	392000
Chromium, Total	50	2.02	ND (10)	10.48 J	23.87 J	16.65	ND (10)	4.01 J	13.72	13.56	24.74	9.4	1.93 J
Cobalt, Total	NA	1.1	ND (5)	3.69 J	13.64 J	6.38	ND (5)	3.93 J	5.06	4.85	2.4 J	2.02	2.84 J
Copper, Total	200	0.8 J	5.89 J	9.47 J	38.6 J	10.89	6.01 J	ND (10)	24.17	17.22	9.79 J	5.51	7.02 J
Iron, Total	300	128	327 J	3520 J	15100 J	4050	407 J	844	5180	8010	3690	2070	3400
Lead, Total	25	ND (1)	4.13 J	1.38 J	6.52 J	3.08	8.52 J	ND (10)	53.62	9.24	ND (10)	0.96 J	7.87 J
Magnesium, Total	35000	29700	751000	24200	31200	34600	586000	32400	127000	3330	22400	17300	584000
Manganese, Total	300	154.7	36.47	882.4 J	1827 J	697.9	44.12	372	1135	196.2	128.3	367.1	6051
Mercury, Total	0.7	ND (0.2)	0.09 J	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	0.29	0.1 J	ND (0.2)	ND (0.2)	0.09 J
Nickel, Total	100	2.07	ND (20)	12.62 J	36.23 J	13.28	ND (20)	7.3 J	11.36	9.26 J+	16.12 J	10.93	ND (20)
Potassium, Total	NA	3600	221000	8980	12000	7150	177000	9100	36400	2210	5140	6070	166000
Selenium, Total	10	ND (5)	ND (50)	ND (5)	ND (5)	2.55 J	ND (50)	ND (50)	2.65 J	ND (5)	ND (50)	2.7 J	ND (50)
Silver, Total	50	ND (0.4)	ND (4)	ND (0.4)	ND (0.4)	0.17 J	ND (4)	ND (4)	0.27 J	ND (0.4)	ND (4)	ND (0.4)	ND (4)
Sodium, Total	20000	67900	6890000	60700	66300	110000	5370000	101000	1070000	8360	76800	88400	5630000
Thallium, Total	0.5	ND (0.5)	ND (5)	ND (0.5)	0.24 J	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (5)
Vanadium, Total	NA	ND (5)	ND (50)	8.14 J	29.82 J	8.13	ND (50)	ND (50)	9.52	15.16	ND (50)	4.22 J	ND (50)
Zinc, Total	2000	ND (10)	ND (100)	16.55 J	65.28 J	12.12	ND (100)	ND (100)	36.4	28.02	ND (100)	7.01 J	ND (100)

ABBREVIATIONS AND NOTES:
µg/L: micrograms per liter

-: Not Analyzed
J: Value is estimated.
J+: Value is estimated, high bias.
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 TOGS 111 Ambient Water Quality Standards.
- Grey shading indicates an exceedance of AWQS criteria.

TABLE V
SUMMARY OF SOIL GAS DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

Location Name	R1-SV-01	RI-SV-02	R1-SV-03	RI-SV-04	RI-SV-05	RI-SV-06	RI-SV-07	R1-SV-08	RI-SV-09	R1-SV-10	R1-SV-11
Sample Name	R1-SV-01_20260205	RI-SV-02-20260206	R1-SV-03_20260205	RI-SV-04_20260213	RI-SV-05-20260206	RI-SV-06_20260216	RI-SV-07-20260206	R1-SV-08_20260205	RI-SV-09_20260213	R1-SV-10_20260205	R1-SV-11_20260205
Sample Date	02/05/2026	02/06/2026	02/05/2026	02/13/2026	02/06/2026	02/16/2026	02/06/2026	02/05/2026	02/13/2026	02/05/2026	02/05/2026
Lab Sample ID	L2606586-01	L2606926-01	L2606586-02	L2608676-01	L2606926-02	L2608463-01	L2606926-03	L2606586-03	L2608676-03	L2606586-04	L2606586-05
Volatile Organic Compounds (ug/m3)											
1,1,1-Trichloroethane	493	3.18	311	42.3	ND (1.09)	2830	3.93	24.9	458	5.46	2.13
1,1,2,2-Tetrachloroethane	ND (1.37)	ND (1.37)	ND (1.37)	ND (29.6)	ND (1.37)	ND (8.58)	ND (1.37)	ND (1.37)	ND (13.7)	ND (1.37)	ND (1.37)
1,1,2-Trichloroethane	ND (1.09)	ND (1.09)	ND (1.09)	ND (23.5)	ND (1.09)	ND (6.82)	ND (1.09)	ND (1.09)	ND (10.9)	ND (1.09)	ND (1.09)
1,1-Dichloroethane	ND (0.809)	ND (0.809)	ND (0.809)	ND (17.4)	ND (0.809)	14.4	ND (0.809)	ND (0.809)	2270	ND (0.809)	ND (0.809)
1,1-Dichloroethene	ND (0.793)	ND (0.793)	ND (0.793)	ND (17.1)	ND (0.793)	14.5	ND (0.793)	ND (0.793)	47.6	ND (0.793)	ND (0.793)
1,2,4-Trichlorobenzene	ND (1.48)	ND (1.48)	ND (1.48)	ND (32)	ND (1.48)	ND (9.28)	ND (1.48)	ND (1.48)	ND (14.8)	ND (1.48)	ND (1.48)
1,2,4-Trimethylbenzene	ND (0.983)	ND (0.983)	ND (0.983)	ND (21.2)	ND (0.983)	ND (6.15)	ND (0.983)	ND (0.983)	ND (9.83)	ND (0.983)	1.4
1,2-Dibromoethane (Ethylene Dibromide)	ND (1.54)	ND (1.54)	ND (1.54)	ND (33.1)	ND (1.54)	ND (9.61)	ND (1.54)	ND (1.54)	ND (15.4)	ND (1.54)	ND (1.54)
1,2-Dichlorobenzene	ND (1.2)	ND (1.2)	ND (1.2)	ND (25.9)	ND (1.2)	ND (7.52)	ND (1.2)	ND (1.2)	ND (12)	ND (1.2)	ND (1.2)
1,2-Dichloroethane	ND (0.809)	ND (0.809)	ND (0.809)	ND (17.4)	ND (0.809)	ND (5.06)	ND (0.809)	ND (0.809)	ND (8.09)	ND (0.809)	ND (0.809)
1,2-Dichloropropane	ND (0.924)	ND (0.924)	ND (0.924)	ND (19.9)	ND (0.924)	ND (5.78)	ND (0.924)	ND (0.924)	ND (9.24)	ND (0.924)	ND (0.924)
1,2-Dichlorotetrafluoroethane (CFC 114)	ND (1.4)	ND (1.4)	ND (1.4)	ND (30.1)	ND (1.4)	ND (8.74)	ND (1.4)	ND (1.4)	ND (14)	ND (1.4)	ND (1.4)
1,3,5-Trimethylbenzene	ND (0.983)	ND (0.983)	ND (0.983)	ND (21.2)	ND (0.983)	ND (6.15)	ND (0.983)	ND (0.983)	ND (9.83)	ND (0.983)	ND (0.983)
1,3-Butadiene	3.89	2.48	1.69	754	11.1	22.6	7.5	5.66	ND (4.42)	2.52	0.863
1,3-Dichlorobenzene	ND (1.2)	ND (1.2)	ND (1.2)	ND (25.9)	ND (1.2)	ND (7.52)	ND (1.2)	ND (1.2)	ND (12)	ND (1.2)	ND (1.2)
1,4-Dichlorobenzene	ND (1.2)	ND (1.2)	ND (1.2)	ND (25.9)	ND (1.2)	ND (7.52)	ND (1.2)	ND (1.2)	ND (12)	ND (1.2)	ND (1.2)
1,4-Dioxane	1.18	ND (0.721)	ND (0.721)	ND (15.5)	ND (0.721)	ND (4.5)	ND (0.721)	1.56	ND (7.21)	1.29	ND (0.721)
2,2,4-Trimethylpentane (Isooctane)	ND (0.934)	1.07	1.03	ND (20.1)	6.35	ND (5.84)	91.5	ND (0.934)	ND (9.34)	ND (0.934)	ND (0.934)
2-Butanone (Methyl Ethyl Ketone)	7.64	6.58	1.94	194	6.4	ND (9.2)	6.31	14.9	44.2	10.7	10.2
2-Hexanone (Methyl Butyl Ketone)	ND (0.82)	ND (0.82)	ND (0.82)	ND (17.7)	ND (0.82)	ND (5.12)	ND (0.82)	ND (0.82)	ND (8.2)	ND (0.82)	ND (0.82)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	ND (0.983)	ND (0.983)	ND (0.983)	ND (21.2)	ND (0.983)	ND (6.15)	ND (0.983)	ND (0.983)	10.6	ND (0.983)	ND (0.983)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (2.05)	ND (2.05)	ND (2.05)	ND (44.3)	ND (2.05)	ND (12.8)	ND (2.05)	ND (2.05)	ND (20.5)	ND (2.05)	ND (2.05)
Acetone	34	82	20.6	1510	114	146	118	52.3	316	32.1	58.2
Allyl chloride	ND (0.626)	ND (0.626)	ND (0.626)	ND (13.5)	ND (0.626)	ND (3.91)	ND (0.626)	ND (0.626)	ND (6.26)	ND (0.626)	ND (0.626)
Benzene	2.3	3.12	1.87	473	7.57	4.63	10.6	3.08	15.8	2.52	5.46
Benzyl Chloride (alpha-Chlorotoluene)	ND (1.04)	ND (1.04)	ND (1.04)	ND (22.3)	ND (1.04)	ND (6.47)	ND (1.04)	ND (1.04)	ND (10.4)	ND (1.04)	ND (1.04)
Bromodichloromethane	ND (1.34)	ND (1.34)	ND (1.34)	ND (28.9)	ND (1.34)	ND (8.37)	ND (1.34)	ND (1.34)	ND (13.4)	ND (1.34)	ND (1.34)
Bromoform	ND (2.07)	ND (2.07)	ND (2.07)	ND (44.6)	ND (2.07)	ND (12.9)	ND (2.07)	ND (2.07)	ND (20.7)	ND (2.07)	ND (2.07)
Bromomethane (Methyl Bromide)	ND (0.777)	ND (0.777)	ND (0.777)	ND (16.7)	ND (0.777)	ND (4.85)	ND (0.777)	ND (0.777)	ND (7.77)	ND (0.777)	ND (0.777)
Carbon disulfide	2.26	1.39	11.7	666	3.83	5.57	19.9	2.25	15.5	1.58	22.6
Carbon tetrachloride	ND (1.26)	ND (1.26)	ND (1.26)	ND (27.1)	ND (1.26)	ND (7.86)	ND (1.26)	ND (1.26)	ND (12.6)	ND (1.26)	ND (1.26)
Chlorobenzene	ND (0.921)	ND (0.921)	ND (0.921)	ND (19.8)	ND (0.921)	ND (5.76)	ND (0.921)	ND (0.921)	ND (9.21)	ND (0.921)	ND (0.921)
Chloroethane	ND (0.528)	ND (0.528)	ND (0.528)	ND (11.4)	ND (0.528)	ND (3.3)	ND (0.528)	ND (0.528)	37.2	ND (0.528)	ND (0.528)
Chloroform (Trichloromethane)	8.4	ND (0.977)	3.53	ND (21)	2.72	138	1.96	28.8	ND (9.77)	1.57	1.74
Chloromethane (Methyl Chloride)	ND (0.413)	ND (0.413)	ND (0.413)	237	ND (0.413)	ND (2.58)	0.508	ND (0.413)	ND (4.13)	ND (0.413)	0.613
cis-1,2-Dichloroethene	ND (0.793)	ND (0.793)	ND (0.793)	ND (17.1)	127	ND (4.96)	4.76	ND (0.793)	133	ND (0.793)	ND (0.793)
cis-1,3-Dichloropropene	ND (0.908)	ND (0.908)	ND (0.908)	ND (19.6)	ND (0.908)	ND (5.67)	ND (0.908)	ND (0.908)	ND (9.08)	ND (0.908)	ND (0.908)
Cyclohexane	ND (0.688)	ND (0.688)	ND (0.688)	32.9	4.34	ND (4.3)	22.3	ND (0.688)	16.2	ND (0.688)	1.88
Dibromochloromethane	ND (1.7)	ND (1.7)	ND (1.7)	ND (36.7)	ND (1.7)	ND (10.6)	ND (1.7)	ND (1.7)	ND (17)	ND (1.7)	ND (1.7)
Dichlorodifluoromethane (CFC-12)	13.9	2.78	19.2	ND (21.3)	2.65	129	8.26	14	62.8	13.3	2.8
Ethanol	ND (9.42)	12.8	32.8	ND (203)	ND (9.42)	ND (58.8)	20.5	153	450	ND (9.42)	31.5
Ethyl acetate	ND (1.8)	ND (1.8)	ND (1.8)	ND (38.9)	ND (1.8)	ND (11.2)	ND (1.8)	ND (1.8)	ND (18)	ND (1.8)	1.8
Ethylbenzene	1.59	1.09	1.49	ND (18.7)	1	ND (5.43)	1.45	2.12	ND (8.69)	1.95	2.18
Hexachlorobutadiene	ND (2.13)	ND (2.13)	ND (2.13)	ND (46)	ND (2.13)	ND (13.3)	ND (2.13)	ND (2.13)	ND (21.3)	ND (2.13)	ND (2.13)
Hexane	3.77	2.85	2.95	199	33.9	-	46.5	5.89	80	4.55	15.8
Isopropyl Alcohol (2-Propanol)	5.65	2.75	11	ND (52.8)	3	ND (15.4)	3.42	20.5	ND (24.6)	4.1	71.3
m,p-Xylenes	5.3	4.11	4.28	ND (37.4)	3.77	ND (10.9)	5.21	5.91	ND (17.4)	5.34	6.52
Methyl Tert Butyl Ether (MTBE)	ND (0.721)	ND (0.721)	ND (0.721)	ND (15.5)	ND (0.721)	ND (4.51)	ND (0.721)	ND (0.721)	ND (7.21)	ND (0.721)	ND (0.721)
Methylene chloride (Dichloromethane)	4.06	ND (1.74)	ND (1.74)	39.6	ND (1.74)	ND (10.8)	ND (1.74)	ND (1.74)	ND (17.4)	ND (1.74)	ND (1.74)
Naphthalene	ND (0.996)	ND (0.996)	ND (0.996)	ND (21.4)	ND (0.996)	ND (6.24)	ND (0.996)	ND (0.996)	ND (9.96)	ND (0.996)	ND (0.996)
N-Heptane	1.69	1.28	1.1	136	14.5	53.3	35.1	2.58	38.2	1.88	4.59
o-Xylene	1.77	1.37	1.45	ND (18.7)	1.3	ND (5.43)	1.79	1.9	ND (8.69)	1.74	2.2
Styrene	ND (0.852)	ND (0.852)	ND (0.852)	ND (18.4)	ND (0.852)	ND (5.32)	ND (0.852)	ND (0.852)	ND (8.52)	ND (0.852)	ND (0.852)
Tert-Butyl Alcohol (tert-Butanol)	5.82	5.06	ND (1.52)	32.7	5.61	47.9	4.79	8.31	22.9	8.55	5.79
Tetrachloroethene	3.74	27.7	3.65	ND (29.2)	9360	17	31.3	1.98	18.6	ND (1.36)	2.33
Tetrahydrofuran	2.82	ND (1.47)	3.19	ND (31.9)	ND (1.47)	ND (9.2)	1.67	4.48	ND (14.7)	5.07	8.79
Toluene	23.1	4.56	20.3	675	5.62	14.8	9.8	32.3	22.8	34.3	33.5
trans-1,2-Dichloroethene	ND (0.793)	ND (0.793)	ND (0.793)	ND (17.1)	18.8	ND (4.96)	ND (0.793)	ND (0.793)	44	ND (0.793)	ND (0.793)
trans-1,3-Dichloropropene	ND (0.908)	ND (0.908)	ND (0.908)	ND (19.6)	ND (0.908)	ND (5.67)	ND (0.908)	ND (0.908)	ND (9.08)	ND (0.908)	ND (0.908)
Trichloroethene	3.03	ND (1.07)	1.31	ND (23.2)	860	849	145	26	126	1.92	1.74
Trichlorofluoromethane (CFC-11)	14.4	3.52	66.3	49	2.56	192	8.09	23.6	31.1	44.2	3.2
Trifluorotrichloroethane (Freon 113)	9.12	ND (1.53)	ND (1.53)	ND (33)	ND (1.53)	ND (9.58)	ND (1.53)	ND (1.53)	ND (15.3)	ND (1.53)	ND (1.53)
Vinyl Bromide (Bromoethene)	ND (0.874)	ND (0.874)	ND (0.874)	ND (18.8)	ND (0.874)	ND (5.47)	ND (0.874)	ND (0.874)	ND (8.74)	ND (0.874)	ND (0.874)
Vinyl chloride	ND (0.511)	ND (0.511)	ND (0.511)	ND (11)	0.544	ND (3.2)	2.07	ND (0.511)	178	ND (0.511)	ND (0.511)
Volatile Organic Compounds SIM (ug/m3)											
Hexane	-	-	-	-	-	119	-	-	-	-	-
SUM of VOCs	652.43	169.69	522.38	5040.5	10596.6	4597.7	612.218	436.02	4438.5	184.64	299.126
SUM of BTEX	34.06	14.25	29.39	1148	19.26	19.43	28.85	45.31	38.6	45.85	49.86
SUM of CVOCs	503.83	30.88	315.96	81.9	10347.544	3710.5	187.06	52.88	961.2	7.38	6.2

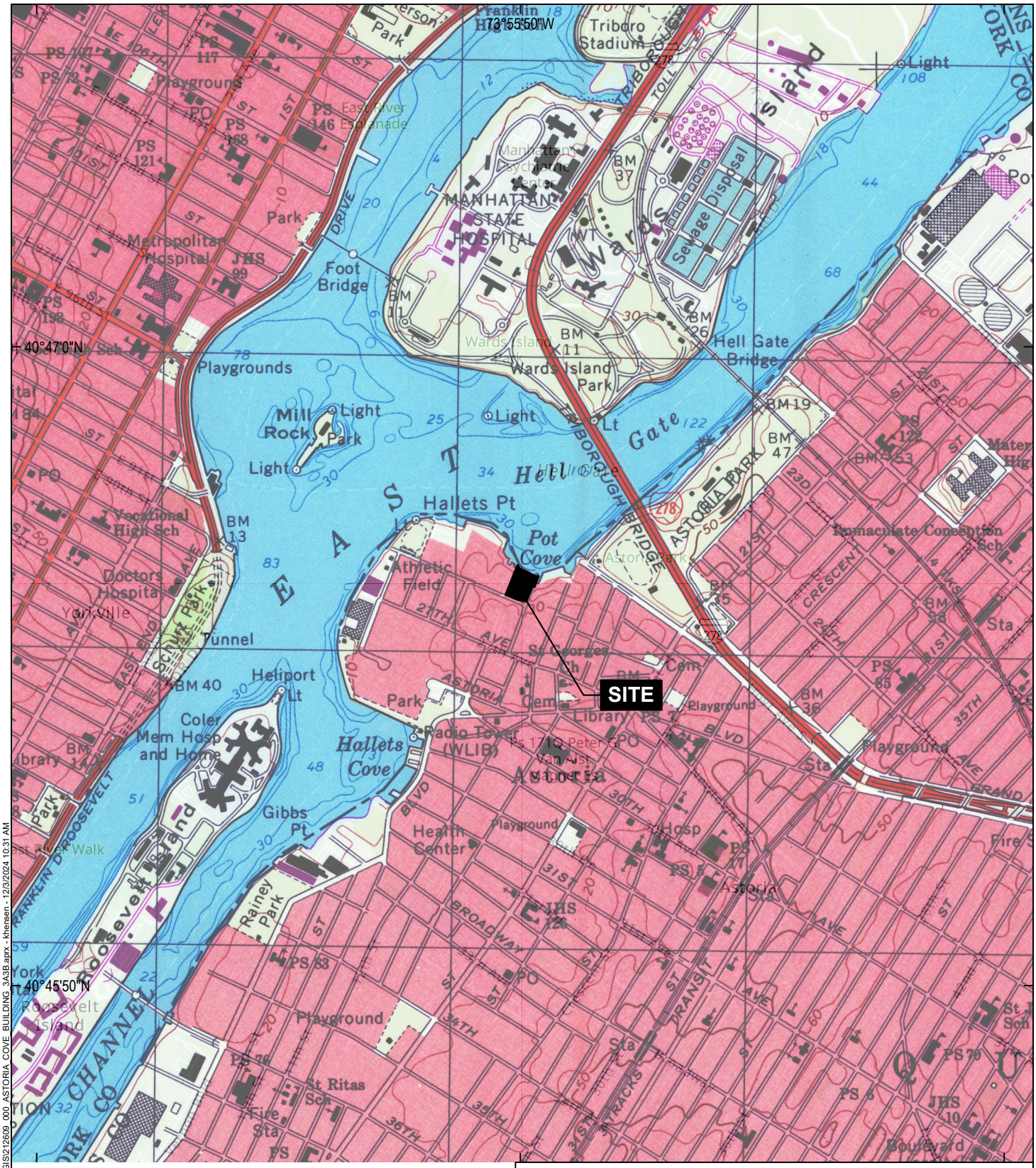
ABBREVIATIONS AND NOTES:

ug/m^3 : micrograms per cubic meter

-: Not Analyzed
BTEX: Benzene, Toluene, Ethylbenzene, Xylenes
CVOCs: Chlorinated volatile organic compounds
NA: Not Applicable
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.
- SUM of CVOCs includes the following compounds: carbon tetrachloride, 1,1-dichloroethene, cis-1,2-dichloroethene, trichloroethene, methylene chloride, tetrachloroethene, 1,1,1-trichloroethane, vinyl chloride

FIGURES



HALEY ALDRICH

8-01 AND 8-51 26TH AVENUE
QUEENS, NEW YORK

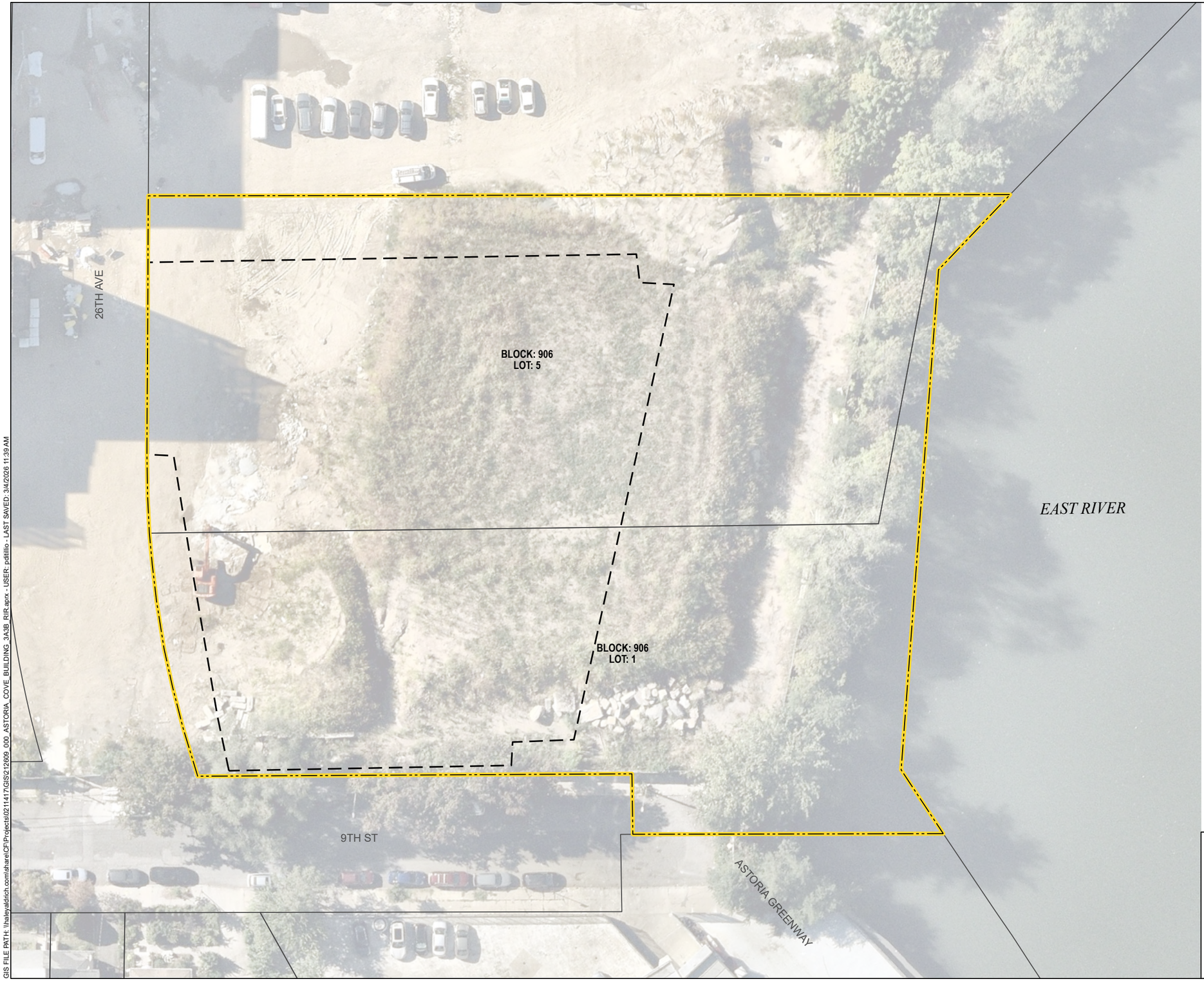
PROJECT LOCUS

MAP SOURCE: USGS
SITE COORDINATES: 40°46'34"N, 73°55'50"W

APPROXIMATE SCALE: 1 IN = 2000 FT
MARCH 2026

FIGURE 1

GIS: \\haleyaldrich.com\share\CF\Projects\021141\7\GIS\212609_000_ASTORIA_COVE_BUILDING_3A3B.aprx - khensen - 12/3/2024 10:31 AM



LEGEND

- PROPOSED BUILDING FOOTPRINT
- SITE BOUNDARY
- PARCEL BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: NEW YORK CITY DEPARTMENT OF CITY PLANNING (DCP)
3. AERIAL IMAGERY SOURCE: NEARMAP, OCTOBER 1, 2025

N

0 40 80
SCALE IN FEET

HALEY ALDRICH

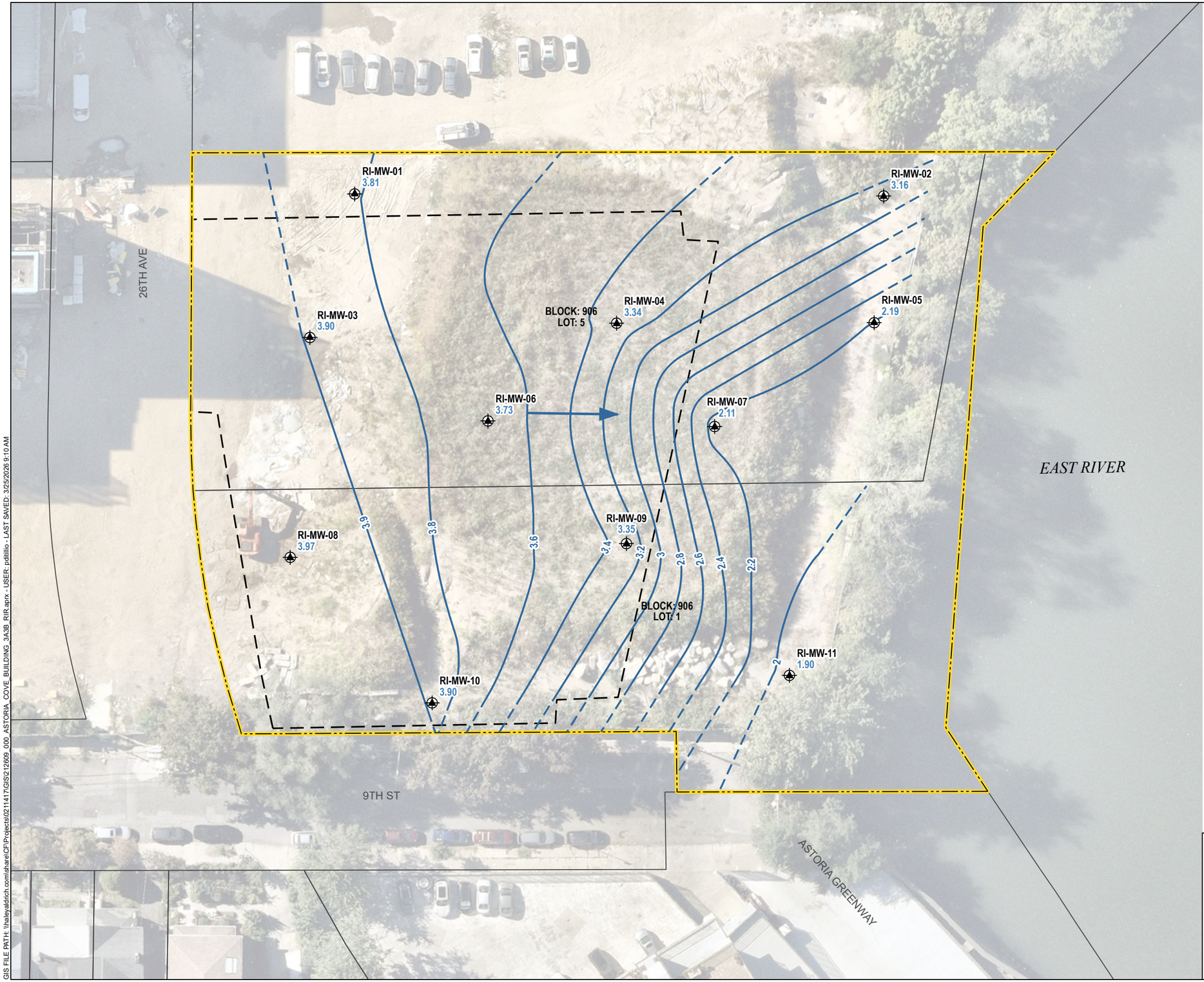
8-01 AND 8-51 26TH AVENUE
QUEENS, NEW YORK

SITE PLAN

MARCH 2026

FIGURE 2

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\0211417\GIS\212609_000_ASTORIA_COVE_BUILDING_3A3B_RIR.aprx - USER: pdilillo - LAST SAVED: 3/4/2026 11:39 AM



LEGEND

- MONITORING WELL
- GROUNDWATER ELEVATION CONTOUR, IN FEET. DASHED WHERE INFERRED
- GROUNDWATER FLOW DIRECTION
- PROPOSED BUILDING FOOTPRINT
- SITE BOUNDARY
- PARCEL BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. GROUNDWATER ELEVATIONS WERE MEASURED ON FEBRUARY 27, 2026.
3. NAVD 88 = NORTH AMERICAN VERTICAL DATUM OF 1988.
4. ASSESSOR PARCEL DATA SOURCE: NEW YORK CITY DEPARTMENT OF CITY PLANNING (DCP)
5. AERIAL IMAGERY SOURCE: NEARMAP, OCTOBER 1, 2025

N

0 40 80
SCALE IN FEET

HALEY ALDRICH

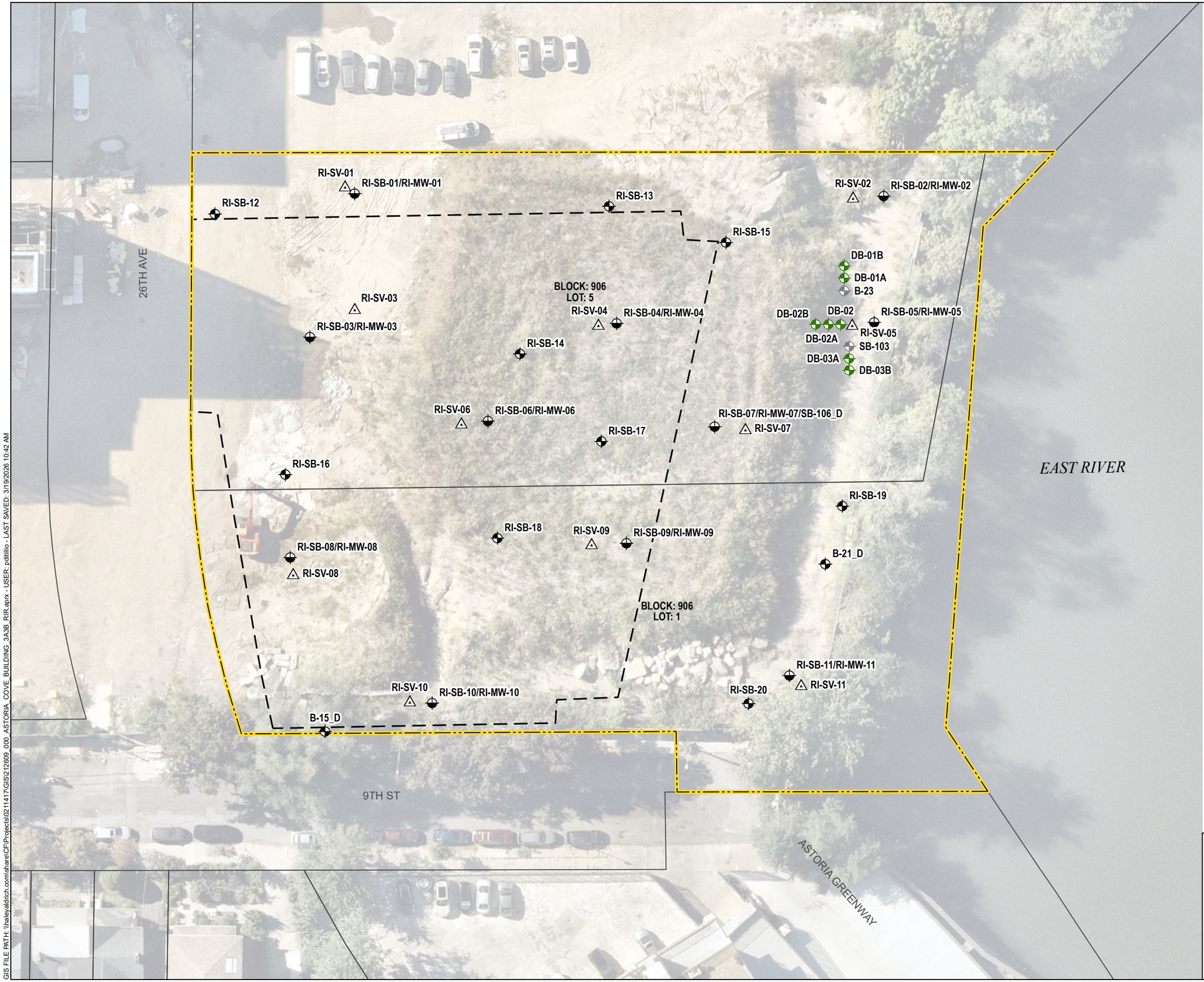
8-01 AND 8-51 26TH AVENUE
QUEENS, NEW YORK

GROUNDWATER CONTOUR MAP

MARCH 2026

FIGURE 3

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\0211417\GIS\212609_000_ASTORIA_COVE_BUILDING_3A3B_RIR.aprx - USER: pdilillo - LAST SAVED: 3/25/2026 9:10 AM



LEGEND

- SOIL BORING
- SOIL BORING/MONITORING WELL
- SOIL VAPOR SAMPLE
- PREVIOUS SOIL BORING
- CHLORINATED VOLATILE ORGANIC COMPOUND (CVOC) DELINEATION BORING
- PROPOSED BUILDING FOOTPRINT
- SITE BOUNDARY
- PARCEL BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: NEW YORK CITY DEPARTMENT OF CITY PLANNING (DCP)
3. AERIAL IMAGERY SOURCE: NEARMAP, OCTOBER 1, 2025

N

0 40 80
SCALE IN FEET

HALEY ALDRICH

8-01 AND 8-51 26TH AVENUE
QUEENS, NEW YORK

SAMPLE LOCATION MAP

MARCH 2026

FIGURE 4

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\0211417\GIS\212609_000_ASTORIA_COVE_BUILDING_3A3B_RIR.aprx - USER: pdilillo - LAST SAVED: 3/19/2026 10:42 AM

RI-SB-12	02/03/2026 L2605921-04 RI-SB-12_0-2 0 - 2 (ft) 22 to 20	02/03/2026 L2605921-05 RI-SB-12_3-5 3 - 5 (ft) 19 to 17	02/03/2026 L2605921-06 RI-SB-12_10-12 10 - 12 (ft) 12 to 10
Semi-Volatile Organic Compounds (mg/kg)			
Phenanthrene	0.089 J	0.23	1.5
Total Metals (mg/kg)			
Chromium VI (Hexavalent)	1.81	ND (0.856)	ND (0.839)

RI-SB-03	02/03/2026 L2605921-07 RI-SB-03_0-2 0 - 2 (ft) 21.64 to 19.64	02/03/2026 L2605921-08 RI-SB-03_3-5 3 - 5 (ft) 18.64 to 16.64	02/03/2026 L2605921-09 RI-SB-03_10-12 10 - 12 (ft) 11.64 to 9.64
Total Metals (mg/kg)			
Lead	82.1 J-	5.33 J-	2.76 J-
Mercury	0.186	ND (0.074)	ND (0.081)

RI-SB-06	02/13/2026 L2608265-05 RI-SB-06_0-2 2 - 2 (ft) 19.39 to 19.39	02/13/2026 L2608265-06 RI-SB-06_10-12 10 - 12 (ft) 11.39 to 9.39	02/13/2026 L2608265-07 RI-SB-06_20-22 20 - 22 (ft) 1.39 to -0.61
Pesticides (mg/kg)			
4,4'-DDT	0.00456	0.00862	ND (0.00166)
Polychlorinated Biphenyls (mg/kg)			
Polychlorinated biphenyls (PCBs)	ND (0.0554)	0.25 J	ND (0.0526)
Semi-Volatile Organic Compounds (mg/kg)			
Phenol	ND (0.19)	3	ND (0.17)
Total Metals (mg/kg)			
Lead	60.6 J+	79.2 J+	3.34 J+

RI-SB-01	02/03/2026 L2605921-01 RI-SB-01_0-2 0 - 2 (ft) 21.31 to 19.31	02/03/2026 L2605921-02 RI-SB-01_2-4 2 - 4 (ft) 19.31 to 17.31	02/03/2026 L2605921-03 RI-SB-01_10-12 10 - 12 (ft) 11.31 to 9.31
Total Metals (mg/kg)			
Arsenic	15.7	4.24	1.12
Copper	160	31	15.3
Lead	149 J-	38.2 J-	3.99 J-
Zinc	129 J-	39.9 J-	26.3 J-

RI-SB-14	02/16/2026 L2608462-09 RI-SB-14_0-2 0 - 2 (ft) 20.99 to 18.99	02/16/2026 L2608462-10 RI-SB-14_10-12 10 - 12 (ft) 10.99 to 8.99	02/16/2026 L2608462-11 RI-SB-14_20-22 20 - 22 (ft) 0.99 to -1.01	03/16/2026 L2614269-07 RI-SB-14_22-24 22 - 24 (ft) -1.01 to -3.01
Pesticides (mg/kg)				
4,4'-DDT	0.00516 J	0.00704	0.00325	ND (0.00194)
alpha-Chlordane (cis)	0.0283 J	0.00433 J	0.00137 J	ND (0.00243)
Heptachlor	0.0138	ND (0.000971) J	ND (0.000854)	ND (0.000972)
Polychlorinated Biphenyls (mg/kg)				
Polychlorinated biphenyls (PCBs)	0.607	0.416 J	0.343 J	0.0244 J
Total Metals (mg/kg)				
Copper	34.4	62.7	50.7	21.8
Lead	92.8	135	57.2	4.9
Nickel	16.5	30.1	17.2	18.3
Zinc	108	259	299	50.1

RI-SB-13	02/12/2026 L2607931-02 RI-SB-13_0-2 0 - 2 (ft) 21.02 to 19.02	02/12/2026 L2607931-03 RI-SB-13_10-12 10 - 12 (ft) 11.02 to 9.02	02/12/2026 L2607931-04 RI-SB-13_20-22 20 - 22 (ft) 1.02 to -0.98	03/16/2026 L2614269-11 RI-SB-13_22-24 22 - 24 (ft) -0.98 to -2.98	03/16/2026 L2614269-12 DUP-01_20260316 22 - 24 (ft) -0.98 to -2.98
Pesticides (mg/kg)					
4,4'-DDT	0.0134	0.0178	0.00993	ND (0.00171)	ND (0.00161)
Polychlorinated Biphenyls (mg/kg)					
Polychlorinated biphenyls (PCBs)	1.58	0.239 J	0.759	ND (0.0526)	ND (0.0473)
Total Metals (mg/kg)					
Copper	31.3	65.9	49.4	24.8	37.8
Lead	71.4	109	56.4	1.28 J	3.31 J
Mercury	0.353	0.079 J	ND (0.088)	ND (0.07)	ND (0.082)
Zinc	125	130	92.8	24.9 J	47.7 J
Volatile Organic Compounds (mg/kg)					
Acetone	ND (0.01)	0.041	0.017	ND (0.0094)	ND (0.01)

RI-SB-04	02/04/2026 L2606227-11 RI-SB-04_0-2 0 - 2 (ft) 20.41 to 18.41	02/04/2026 L2606227-12 RI-SB-04_10-12 10 - 12 (ft) 10.41 to 8.41	02/04/2026 L2606227-13 DUP-02_20260204 10 - 12 (ft) 10.41 to 8.41	02/04/2026 L2606227-14 RI-SB-04_18-20 18 - 20 (ft) 2.41 to 0.41
Pesticides (mg/kg)				
4,4'-DDT	0.00854	ND (0.00199)	ND (0.00185)	ND (0.00179)
PFAS (mg/kg)				
Perfluorooctanoic acid (PFOA)	0.000291	0.0016 J	0.000872 J	0.000196
Polychlorinated Biphenyls (mg/kg)				
Polychlorinated biphenyls (PCBs)	0.686 J	ND (0.0624)	ND (0.0562)	ND (0.0531)
Total Metals (mg/kg)				
Cadmium	0.234 J	3.99 J	1.58 J	ND (0.662)
Copper	41.9 J+	126 J+	94.2 J+	17.5 J+
Lead	108 J+	152 J+	108 J+	11.1 J+
Nickel	18.6	57.9	37.4	14.8
Zinc	139	430	318	41.5

RI-SB-15	02/16/2026 L2608462-12 RI-SB-15_0-2 0 - 2 (ft) 19.87 to 17.87	02/16/2026 L2608462-13 RI-SB-15_10-12 10 - 12 (ft) 9.87 to 7.87	02/16/2026 L2608462-14 RI-SB-15_20-22 20 - 22 (ft) -0.13 to -2.13	03/16/2026 L2614269-14 RI-SB-15_22-24 22 - 24 (ft) -2.13 to -4.13	03/16/2026 L2614269-15 RI-SB-15_24-26 24 - 26 (ft) -4.13 to -6.13
Pesticides (mg/kg)					
4,4'-DDE	0.00149 J	0.00135 J	0.0167 J	ND (0.00176)	ND (0.00184)
4,4'-DDT	0.00744	0.0045	0.0316 J	ND (0.00176)	ND (0.00184)
Polychlorinated Biphenyls (mg/kg)					
Polychlorinated biphenyls (PCBs)	0.251 J	0.292 J	0.413	ND (0.0573)	ND (0.0578)
Total Metals (mg/kg)					
Copper	35.3	37.2	37.9	126	60.2
Lead	77.1	61.4	63.4	35.4	22
Nickel	16.5	16.8	13.9	32.6	17.1
Silver	ND (0.437)	2.01	2.19	ND (0.452)	0.813
Zinc	179	90.3	311	54.4	54.4
Volatile Organic Compounds (mg/kg)					
Acetone	ND (0.01)	ND (0.011)	0.045	ND (0.01)	ND (0.01)

RI-SB-02	02/06/2026 L2606929-09 RI-SB-02_0-2 0 - 2 (ft) 15.1 to 13.1	02/06/2026 L2606929-10 RI-SB-02_7-9 7 - 9 (ft) 8.1 to 6.1	02/06/2026 L2606929-11 RI-SB-02_13-15 13 - 15 (ft) 2.1 to 0.1
Pesticides (mg/kg)			
4,4'-DDE	0.0079	ND (0.00168)	ND (0.00164)
4,4'-DDT	0.00456	ND (0.00168)	ND (0.00164)
PFAS (mg/kg)			
Perfluorooctanesulfonic acid (PFOS)	0.000138 J	0.0182	0.00125
Perfluorooctanoic acid (PFOA)	0.000052 J	0.00091	0.000126 J
Semi-Volatile Organic Compounds (mg/kg)			
Benzo(a)anthracene	0.28	7.8	0.27
Benzo(a)pyrene	0.23	6.6	0.27
Benzo(b)fluoranthene	0.42	8.5	0.37
Benzo(g,h,i)perylene	0.14	3.9	0.18
Benzo(k)fluoranthene	0.12	2.8	0.12
Chrysene	0.39	7.1	0.3
Dibenz(a,h)anthracene	0.034 J	0.99 J	0.044 J
Indeno(1,2,3-cd)pyrene	0.14	4	0.16
Phenanthrene	0.16	10	0.26
Total Metals (mg/kg)			
Lead	6.91	139	58.6
Zinc	47.7 J	154 J	49.2 J

RI-SB-18	02/16/2026 L2608462-06 RI-SB-18_0-2 0 - 2 (ft) 20.99 to 18.99	02/16/2026 L2608462-07 RI-SB-18_14-16 14 - 16 (ft) 6.99 to 4.99	02/16/2026 L2608462-08 RI-SB-18_20-22 20 - 22 (ft) 0.99 to -1.01
Pesticides (mg/kg)			
4,4'-DDT	ND (0.00189) J	ND (0.00179)	0.00428
PFAS (mg/kg)			
Perfluorooctanesulfonic acid (PFOS)	0.000852	0.00123	0.0012
Polychlorinated Biphenyls (mg/kg)			
Polychlorinated biphenyls (PCBs)	ND (0.0595)	ND (0.0567)	0.269 J
Semi-Volatile Organic Compounds (mg/kg)			
Benzo(b)fluoranthene	0.054 J	1.8	0.18
Benzo(g,h,i)perylene	0.035 J	0.75	0.081 J
Chrysene	0.043 J	1.4	0.14
Indeno(1,2,3-cd)pyrene	0.029 J	0.78	0.079 J
Phenanthrene	0.038 J	1.9	0.23
Total Metals (mg/kg)			
Lead	34.4	96.8	44.8
Zinc	75.9	170	84.7
Volatile Organic Compounds (mg/kg)			
Trichloroethene	0.0014	35	0.014

RI-SB-16	02/03/2026 L2605921-10 RI-SB-16_0-2 0 - 2 (ft) 22.19 to 20.19	02/03/2026 L2605921-11 RI-SB-16_3-5 3 - 5 (ft) 19.19 to 17.19	02/03/2026 L2605921-12 RI-SB-16_10-12 10 - 12 (ft) 12.19 to 10.19
PFAS (mg/kg)			
Perfluorooctanesulfonic acid (PFOS)	0.00707	0.00899	0.0412
Polychlorinated Biphenyls (mg/kg)			
Polychlorinated biphenyls (PCBs)	2.98	0.0352 J	0.014 J
Semi-Volatile Organic Compounds (mg/kg)			
Benzo(a)anthracene	2.4	ND (0.11)	ND (0.11)
Benzo(a)pyrene	2.3	ND (0.15)	ND (0.15)
Benzo(b)fluoranthene	2.7	ND (0.11)	ND (0.11)
Benzo(g,h,i)perylene	1.5	ND (0.13)	ND (0.13)
Benzo(k)fluoranthene	0.81	ND (0.11)	ND (0.11)
Chrysene	2.4	ND (0.11)	ND (0.11)
Indeno(1,2,3-cd)pyrene	1.3	ND (0.15)	ND (0.15)
Phenanthrene	4.2	ND (0.11)	ND (0.11)
Total Metals (mg/kg)			
Lead	13 J-	74.8 J-	4.83 J-

RI-SB-08	02/04/2026 L2606227-01 RI-SB-08_0-2 0 - 2 (ft) 21.86 to 19.86	02/04/2026 L2606227-02 RI-SB-08_3-5 3 - 5 (ft) 18.86 to 16.86	02/04/2026 L2606227-03 RI-SB-08_10-12 10 - 12 (ft) 11.86 to 9.86
PFAS (mg/kg)			
Perfluorooctanesulfonic acid (PFOS)	0.000238 J	0.0131 J	0.00452 J
Polychlorinated Biphenyls (mg/kg)			
Polychlorinated biphenyls (PCBs)	0.0565 J	0.872	ND (0.0536)
Semi-Volatile Organic Compounds (mg/kg)			
Benzo(a)anthracene	0.12	1.5 J	ND (0.11)
Benzo(a)pyrene	0.12 J	1.4 J	ND (0.15)
Benzo(b)fluoranthene	0.16	1.8 J	ND (0.11)
Benzo(g,h,i)perylene	0.1 J	0.88 J	0.036 J
Chrysene	0.12	1.4 J	ND (0.11)
Indeno(1,2,3-cd)pyrene	0.09 J	0.82 J	0.03 J
Phenanthrene	0.2	2 J	ND (0.11)
Total Metals (mg/kg)			
Lead	89 J+	56.5 J+	4.67 J+

B-15_D	02/04/2026 L2606227-04 B-15_D_0-2 0 - 2 (ft) 21.74 to 19.74	02/04/2026 L2606227-05 DUP-01_20250204 0 - 2 (ft) 21.74 to 19.74	02/04/2026 L2606227-06 B-15_D_2-4 2 - 4 (ft) 19.74 to 17.74	02/04/2026 L2606227-07 B-15_D_10-12 10 - 12 (ft) 11.74 to 9.74
PFAS (mg/kg)				
Perfluorooctanesulfonic acid (PFOS)	0.00201 J	0.00294 J	0.0017 J	0.000868 J
Perfluorooctanoic acid (PFOA)	0.00137	0.0011	0.000814	0.00213
Polychlorinated Biphenyls (mg/kg)				
Polychlorinated biphenyls (PCBs)	0.101	ND (0.0519)	ND (0.0523)	ND (0.0496)
Semi-Volatile Organic Compounds (mg/kg)				
Phenanthrene	1.2	1.1	0.29	ND (0.11)
Total Metals (mg/kg)				
Copper	192 J+	229 J+	8.43 J+	9.9 J+
Lead	528 J+	314 J+	21.3 J+	5.01 J+
Mercury	4.93 J	0.333 J	0.135	ND (0.075)
Nickel	49.5	39.7	9.25	9.78
Zinc	1550	783	42.9	23.8

RI-SB-10	02/04/2026 L2606227-08 RI-SB-10_0-2 0 - 2 (ft) 20.44 to 18.44	02/04/2026 L2606227-09 RI-SB-10_2-4 2 - 4 (ft) 18.44 to 16.44	02/04/2026 L2606227-10 RI-SB-10_10-12 10 - 12 (ft) 10.44 to 8.44
PFAS (mg/kg)			
Perfluorooctanesulfonic acid (PFOS)	0.00014 J	0.000378 J	0.00711 J
Semi-Volatile Organic Compounds (mg/kg)			
Benzo(a)anthracene	0.41	1.6	ND (0.11)
Benzo(a)pyrene	0.11 J	1.3	ND (0.14)
Benzo(b)fluoranthene	0.45	1.4	ND (0.11)
Benzo(g,h,i)perylene	0.17	0.74	ND (0.14)
Chrysene	0.73	1.6	ND (0.11)
Indeno(1,2,3-cd)pyrene	0.15	0.64	ND (0.14)
Phenanthrene	0.085 J	3.4	ND (0.11)

RI-SB-09	02/05/2026 L2606574-04 RI-SB-09_0-2 0 - 2 (ft) 18.24 to 16.24	02/05/2026 L2606574-05 RI-SB-09_10-12 10 - 12 (ft) 8.24 to 6.24	02/13/2026 L2608265-04 RI-SB-09_20-22 20 - 22 (ft) -1.76 to -3.76	03/16/2026 L2614269-03 RI-SB-09_22-24 22 - 24 (ft) -3.76 to -5.76
Pesticides (mg/kg)				
4,4'-DDD	ND (0.00169)	0.00855	ND (0.00176)	ND (0.00174)
4,4'-DDT	ND (0.00169)	0.01	ND (0.00176)	ND (0.00174)
Polychlorinated Biphenyls (mg/kg)				
Polychlorinated biphenyls (PCBs)	ND (0.0494)	0.115 J	0.215	ND (0.0532)
Semi-Volatile Organic Compounds (mg/kg)				
Benzo(b)fluoranthene	0.044 J	0.34	1.4	ND (0.11)
Chrysene	0.036 J	0.26	1.1	ND (0.11)
Indeno(1,2,3-cd)pyrene	ND (0.14)	0.16	0.53	0.036 J+
Phenanthrene	0.028 J	0.37	2.6	0.026 J
Total Metals (mg/kg)				
Copper	25.8 J-	30.7 J-	176	16.3
Lead	16.3 J-	51.4 J-	72.8 J+	5.19
Zinc	46.3 J-	81.2 J-	240	33.6
Volatile Organic Compounds (mg/kg)				
Acetone	ND (0.011)	ND (0.0093)	0.037	ND (0.011)

RI-SB-20	02/05/2026 L2606574-06 RI-SB-20_0-2 0 - 2 (ft) 14.12 to 12.12	02/05/2026 L2606574-07 DUP-03_20260205 0 - 2 (ft) 14.12 to 12.12	02/05/2026 L2606574-08 RI-SB-20_8-10 8 - 10 (ft) 6.12 to 4.12	02/05/2026 L2606574-09 RI-SB-20_11-13 11 - 13 (ft) 3.12 to 1.12
Pesticides (mg/kg)				
4,4'-DDD	ND (0.00166)	ND (0.00169)	0.0372	ND (0.00189)
4,4'-DDE	ND (0.00166)	ND (0.00169)	0.0139	ND (0.00189)
4,4'-DDT	ND (0.00166)	ND (0.00169)	0.0197 J	ND (0.00189)
PFAS (mg/kg)				
Perfluorooctanesulfonic acid (PFOS)	0.000277	0.000278	0.00389	0.000126 J
Polychlorinated Biphenyls (mg/kg)				
Polychlorinated biphenyls (PCBs)	0.954 J	0.505 J	0.395	ND (0.0601)
Semi-Volatile Organic Compounds (mg/kg)				
Benzo(a)anthracene	82 J	5.5 J	0.47	ND (0.12)
Benzo(a)pyrene	66 J	4.3 J	0.44	ND (0.16)
Benzo(b)fluoranthene	82 J	5.2 J	0.58	0.034 J
Benzo(g,h,i)perylene	26 J	1.9 J	0.32	ND (0.16)
Benzo(k)fluoranthene	21 J	1.9 J	0.21	ND (0.12)
Chrysene	71 J	5.1 J	0.54	0.047 J
Dibenz(a,h)anthracene	8.1 J	0.62 J	0.08 J	ND (0.12)
Dibenzofuran	14 J	1.5 J	0.04 J	ND (0.2)
Fluoranthene	160 J	12 J	0.8	0.028 J
Fluorene	33 J	2.6 J	0.049 J	ND (0.2)
Indeno(1,2,3-cd)pyrene	27 J	2.1 J	0.29	ND (0.16)
Phenanthrene	190 J	19 J	0.61	ND (0.12)
Phenol	0.41 J	0.071 J	ND (0.2)	ND (0.2)
Pyrene	140 J	10 J	0.73	0.042 J
Total Metals (mg/kg)				
Copper	27.5 J-	23.4 J-	75 J-	19.4 J-
Lead	69 J-	19.1 J-	262 J-	182 J-
Mercury	0.098	0.063 J	0.132	0.494
Zinc	89.8 J-	45.1 J-	229 J-	1140 J-

RI-SB-07/SB-106_D	02/05/2026 L2606574-01 RI-SB-07_0-2 0 - 2 (ft) 20.12 to 18.12	02/05/2026 L2606574-03 SB-106_D_3-5_US 3 - 5 (ft) 17.12 to 15.12	02/05/2026 L2606574-02 RI-SB-07_10-12 10 - 12 (ft) 10.12 to 8.12	02/13/2026 L2608265-02 RI-SB-07_20-22 20 - 22 (ft) 0.12 to -1.88	02/13/2026 L2608265-03 RI-SB-07_23-25 23 - 25 (ft) -2.88 to -4.88	03/16/2026 L2614269-09 RI-SB-07_25-27 25 - 27 (ft) -4.88 to -6.88	03/16/2026 L2614269-10 RI-SB-07_27-29 27 - 29 (ft) -6.88 to -8.88
Other (mg/kg)							
Cyanide	6.4 J-	-	4.5 J-	2.1	1.5	ND (1.1)	ND (1.1)
PFAS (mg/kg)							
Perfluorooctanesulfonic acid (PFOS)	0.00039	-	0.000321	ND (0.000198)	0.00102	0.00034	0.00021
Polychlorinated Biphenyls (mg/kg)							
Polychlorinated biphenyls (PCBs)	0.0345 J	-	0.236	0.934	0.137 J	ND (0.0538)	ND (0.0567)
Semi-Volatile Organic Compounds (mg/kg)							
Benzo(a)anthracene	0.071 J	-	1.4	1.9	0.12	ND (0.11)	ND (0.11)
Benzo(a)pyrene	0.072 J	-	1.5	2	0.075 J	ND (0.15)	ND (0.15)
Benzo(b)fluoranthene	0.11	-	1.7	2.5	0.16	ND (0.11)	ND (0.11)
Benzo(g,h,i)perylene	0.058 J	-	1.2 J	1.2	0.084 J	ND (0.15)	ND (0.15)
Chrysene	0.084 J	-	1.3	1.9	0.12	ND (0.11)	ND (0.11)
Indeno(1,2,3-cd)pyrene	0.052 J	-	0.81 J	1.2	0.068 J	ND (0.15)	ND (0.15)
Phenanthrene	0.1 J	-	2.2	3.7	0.11 J	ND (0.11)	ND (0.11)
Total Metals (mg/kg)							
Copper	29.6 J-	-	99.9 J-	141	42.9	21.8	19.5
Lead	57.4 J-	24.8 J-/24.8 J-	124 J-	122 J+	69.7 J+	10.5	11.2
Nickel	16.2	-	35.1	53.5 J+	11.1 J+	20.4	13.3
Silver	ND (0.414)	-	0.722	0.861 J+	ND (0.449)	3.59	1.36
Zinc	81.9 J-	-	2300 J-	212	166	126	49
TCLP Inorganic Compounds (mg/L)							
Lead	-	ND (0.5)	-	-	-	-	-

RI-SB-19	02/06/2026 L2606929-02 RI-SB-19_0-2 0 - 2 (ft) 13.44 to 11.44	02/06/2026 L2606929-03 RI-SB-19_7-9 7 - 9 (ft) 6.44 to 4.44	02/06/2026 L2606929-04 RI-SB-19_10-12 10 - 12 (ft) 3.44 to 1.44
Pesticides (mg/kg)			
4,4'-DDD	0.00488	0.0486	0.0118
4,4'-DDE	0.00168 J	0.0116	0.00774
4,4'-DDT	ND (0.00175) J	0.068	0.00501
alpha-Chlordane (cis)	0.00284	0.0233	0.00342 J
Dieldrin	ND (0.0011)	0.0107	ND (0.00109)
Semi-Volatile Organic Compounds (mg/kg)			
Benzo(b)fluoranthene	0.67 J	1.2	1.1
Indeno(1,2,3-cd)pyrene	0.29 J	0.54	0.54
Phenanthrene	1.4 J	0.74	1.2
Total Metals (mg/kg)			
Copper	9.37 J+	32.1 J+	51.1 J+
Lead	9.26	27.9	314
Mercury	ND (0.091)	0.057 J	0.563
Zinc	15.8 J	55 J	211 J

RI-SB-17	02/16/2026 L2608462-03 RI-SB-17_0-2 10 - 2 (ft) 19.79 to 17.79	02/16/2026 L2608462-04 RI-SB-17_10-12 9.79 to 7.79	02/16/2026 L2608462-05 RI-SB-17_20-22 20 - 22 (ft) -0.21 to -2.21	03/16/2026 L2614269-05 RI-SB-17_22-24 22 - 24 (ft) -2.21 to -4.21
Pesticides (mg/kg)				
4,4'-DDD	0.00445	0.00322	ND (0.00197)	ND (0.00175)
4,4'-DDT	0.0105	0.00616	ND (0.00197)	ND (0.00175)
Polychlorinated Biphenyls (mg/kg)				
Polychlorinated biphenyls (PCBs)	0.349 J	0.218 J	ND (0.0618)	ND (0.0553)
Semi-Volatile Organic Compounds (mg/kg)				
1,4-Dioxane	ND (0.031)	ND (0.03)	0.5	ND (0.029)
Total Metals (mg/kg)				
Lead	113	88.2	75.3	7.64
Zinc	139	116	66.1	36
Volatile Organic Compounds (mg/kg)				
1,4-Dioxane	ND (0.08)	ND (0.086)	ND (0.1)	ND (0.085)
Acetone	ND (0.016)	ND (0.013)	0.055	ND (0.011)

B-21_D	02/06/2026 L2606929-01 B-21_D_0-2 0 - 2 (ft) 13.57 to 11.57
Total Metals (mg/kg)	
Lead	31.2
TCLP Inorganic Compounds (mg/L)	
Lead	ND (0.5)

RI-SB-11	02/05/2026 L2606574-10 RI-SB-11_0-2 0 - 2 (ft) 13.77 to 11.77	02/05/2026 L2606574-11 RI-SB-11_8-10 8 - 10 (ft) 5.77 to 3.77	02/05/2026 L2606574-12 RI-SB-11_11-13 11 - 13 (ft) 2.77 to 0.77
Pesticides (mg/kg)			
4,4'-DDE	0.00135 J	ND (0.00178)	0.0236
4,4'-DDT	0.0054 J	ND (0.00178)	0.0834
alpha-Chlordane (cis)	0.0106 J	ND (0.00223)	0.0731 J
Dieldrin	ND (0.00109)	ND (0.00111)	0.027 J
Polychlorinated Biphenyls (mg/kg)			
Polychlorinated biphenyls (PCBs)	0.0764 J	0.131 J	2.55
Semi-Volatile Organic Compounds (mg/kg)			
Benzo(a)anthracene	0.92 J	0.3	1.2
Benzo(a)pyrene	0.85 J	0.31	1.4
Benzo(b)fluoranthene	1.1 J	0.44	1.8
Benzo(g,h,i)perylene	0.5 J	0.22	0.8
Chrysene	0.86 J	0.34	1.3
Indeno(1,2,3-cd)pyrene	0.46 J	0.18	0.69
Total Metals (mg/kg)			
Copper	39.8 J-	35.6 J-	51 J-
Lead	74.6 J-	72.8 J-	31.9 J-
Volatile Organic Compounds (mg/kg)			
Acetone	ND (0.019)	ND (0.012)	0.14

Analyte	NY-PGW	NY-RESR	NY-UNRES	TCLP
Other (mg/kg)				
Cyanide	40	13	2.3	NA
Pesticides (mg/kg)				
4,4'-DDD	14	5	0.0033	NA
4,4'-DDE	9.3	3.4	0.0033	NA
4,4'-DDT	135	3.8	0.0033	NA
alpha-Chlordane (cis)	4.5	0.65	0.014	NA
Dieldrin	0.1	0.075	0.005	NA
Heptachlor	0.38	0.53	0.013	NA
PFAS (mg/kg)				
Perfluorooctanesulfonic acid (PFOS)	0.001	0.044	0.00088	NA
Perfluorooctanoic acid (PFOA)	0.0008	0.033	0.00066	NA
Polychlorinated Biphenyls (mg/kg)				
Polychlorinated biphenyls (PCBs)	3.2	1	0.1	NA
Semi-Volatile Organic Compounds (mg/kg)				
1,4-Dioxane	0.1	5.7	0.1	NA
Benzo(a)anthracene	1	1.4	1	NA
Benzo(a)pyrene	22	1	1	NA
Benzo(b)fluoranthene	2.1	1.4	1	NA
Benzo(g,h,i)perylene	1000	4.9	0.64	NA
Benzo(k)fluoranthene	2	4.9	0.8	NA
Chrysene	1	4.9	1	NA
Dibenz(a,h)anthracene	1000	0.33	0.33	NA
Dibenzofuran	110	18	2.1	NA
Fluoranthene	1000	100	85	NA
Fluorene	386	100	30	NA
Indeno(1,2,3-cd)pyrene	6.6	1.4	0.5	NA
Phenanthrene	1000	4.9	1.1	NA
Phenol	0.33	100	0.33	NA
Pyrene	1000	100	64	NA
Total Metals (mg/kg)				
Arsenic	16	16	13	NA
Cadmium	7.5	2.5	2.5	NA
Chromium VI (Hexavalent)	19	1	1	NA
Copper	1720	280	50	NA
Lead	450	400	63	NA
Mercury	0.73	0.3	0.18	NA
Nickel	130	320	30	NA
Silver	8.3	110	2	NA
Zinc	2480	6600	109	NA
TCLP Metals (mg/kg)				
Lead	NA	NA	NA	5
Volatile Organic Compounds (mg/kg)				
Acetone	0.03	100	0.03	NA
Trichloroethene	0.47	6.4	0.47	NA

LEGEND

- SOIL BORING
- SITE BOUNDARY
- PROPOSED BUILDING FOOTPRINT

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. 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, PROTECTION OF GROUNDWATER SCO'S, AND UNITED STATES ENVIRONMENTAL PROTECTION AGENCY TOXICITY CHARACTERISTIC LEACHING PROCEDURE ALLOWABLE LIMITS (TCLP).
3. EXCEEDANCES OF THE PROTECTION OF GROUNDWATER CRITERIA ARE SHOWN IN ***ITALICS***.
4. EXCEEDANCES OF THE UNRESTRICTED SCOS ARE SHADED GRAY.
5. EXCEEDANCES OF THE RESTRICTED SCOS ARE SHADED YELLOW.
6. DEFINITIONS:
   J: VALUE IS ESTIMATED.
   J-: VALUE IS ESTIMATED, LOW BIAS.
   J+: VALUE IS ESTIMATED, HIGH BIAS.
   NY-PGW - NYSDEC PART 375 PROTECTION OF GROUNDWATER CRITERIA
   NY-RESR - NYSDEC PART 375 RESTRICTED-USE RESIDENTIAL SCOs
   NY-UNRES - NYSDEC PART 375 UNRESTRICTED USE SCOs
   mg/l: MILLIGRAM PER LITER
   mg/kg: MILLIGRAM PER KILOGRAM
   ND (2.5): NOT DETECTED, NUMBER IN PARENTHESES IS THE LABORATORY REPORTING LIMIT
7. AERIAL IMAGERY SOURCE: NEARMAP, OCTOBER 1, 2025

0 100 200
SCALE IN FEET

HALEY ALDRICH

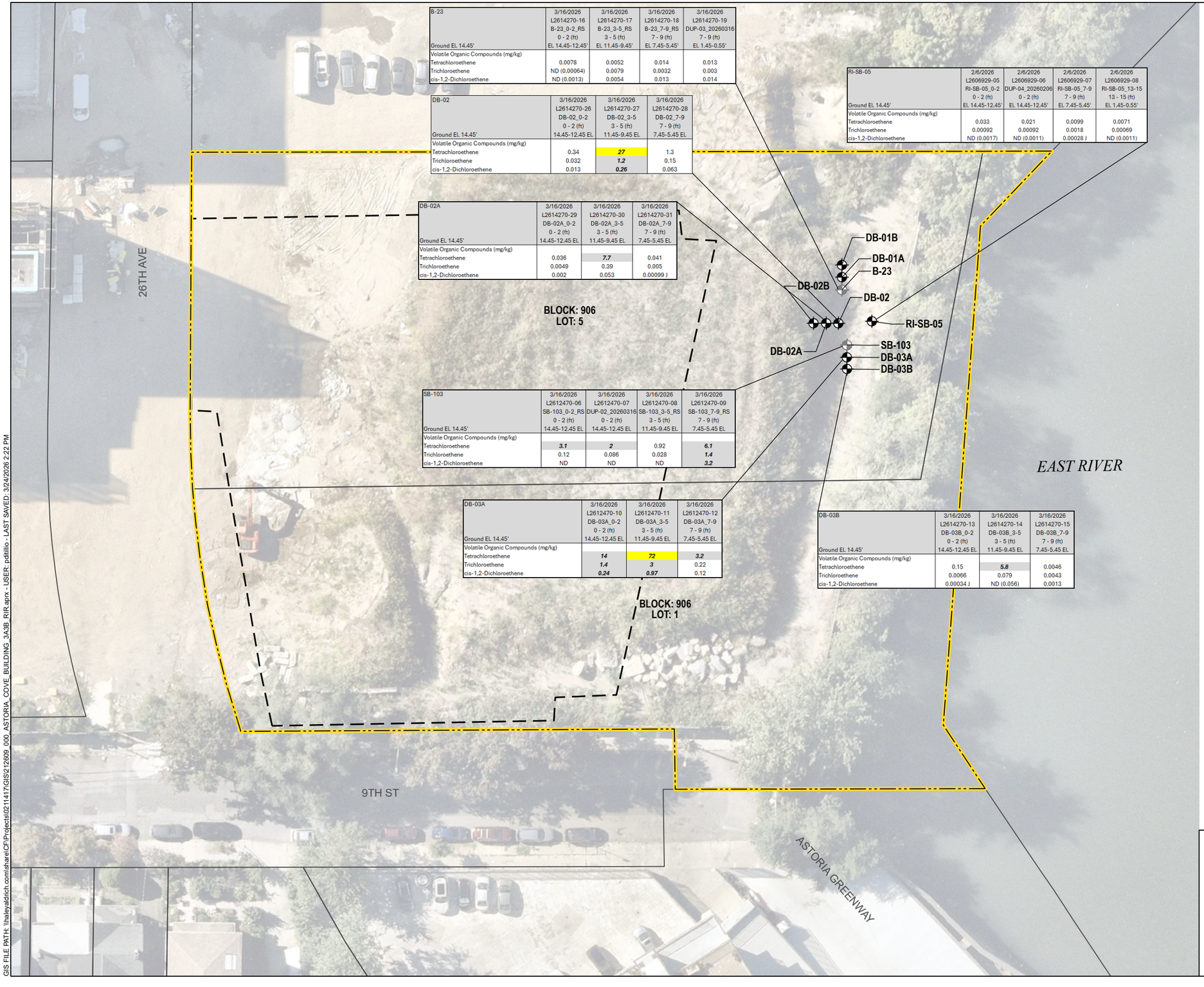
8-01 AND 8-51 26TH AVENUE
QUEENS, NEW YORK

SOIL RESULTS EXCEEDANCE MAP

JUNE 2026

FIGURE 5

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\0211417\GIS\212609_000_ASTORIA_COVE_BUILDING_3A3B_RIR.aprx - USER: pdilillio - LAST SAVED: 6/22/2026 10:46 AM



B-23	3/16/2026 L2614270-16 B-23_0-2_RS 0 - 2 (ft) El. 14.45-12.45'	3/16/2026 L2614270-17 B-23_3-5_RS 3 - 5 (ft) El. 11.45-9.45'	3/16/2026 L2614270-18 B-23_7-9_RS 7 - 9 (ft) El. 7.45-5.45'	3/16/2026 L2614270-19 DUP-03_20260316 7 - 9 (ft) El. 1.45-0.55'
Ground El. 14.45'				
Volatile Organic Compounds (mg/kg)				
Tetrachloroethene	0.0078	0.0052	0.014	0.013
Trichloroethene	ND (0.00064)	0.0079	0.0032	0.003
cis-1,2-Dichloroethene	ND (0.0013)	0.0054	0.013	0.014

DB-02	3/16/2026 L2614270-26 DB-02_0-2 0 - 2 (ft) 14.45-12.45 El.	3/16/2026 L2614270-27 DB-02_3-5 3 - 5 (ft) 11.45-9.45 El.	3/16/2026 L2614270-28 DB-02_7-9 7 - 9 (ft) 7.45-5.45 El.
Ground El. 14.45'			
Volatile Organic Compounds (mg/kg)			
Tetrachloroethene	0.34	***27***	1.3
Trichloroethene	0.032	***1.2***	0.15
cis-1,2-Dichloroethene	0.013	***0.26***	0.063

RI-SB-05	2/6/2026 L2606929-05 RI-SB-05_0-2 0 - 2 (ft) El. 14.45-12.45'	2/6/2026 L2606929-06 DUP-04_20260206 0 - 2 (ft) El. 14.45-12.45'	2/6/2026 L2606929-07 RI-SB-05_7-9 7 - 9 (ft) El. 7.45-5.45'	2/6/2026 L2606929-08 RI-SB-05_13-15 13 - 15 (ft) El. 1.45-0.55'
Ground El. 14.45'				
Volatile Organic Compounds (mg/kg)				
Tetrachloroethene	0.033	0.021	0.0099	0.0071
Trichloroethene	0.00092	0.00092	0.0018	0.00069
cis-1,2-Dichloroethene	ND (0.0017)	ND (0.0011)	0.00028 J	ND (0.0011)

DB-02A	3/16/2026 L2614270-29 DB-02A_0-2 0 - 2 (ft) 14.45-12.45 El.	3/16/2026 L2614270-30 DB-02A_3-5 3 - 5 (ft) 11.45-9.45 El.	3/16/2026 L2614270-31 DB-02A_7-9 7 - 9 (ft) 7.45-5.45 El.
Ground El. 14.45'			
Volatile Organic Compounds (mg/kg)			
Tetrachloroethene	0.036	***7.7***	0.041
Trichloroethene	0.0049	0.39	0.005
cis-1,2-Dichloroethene	0.002	0.053	0.00099 J

SB-103	3/16/2026 L2612470-06 SB-103_0-2_RS 0 - 2 (ft) 14.45-12.45 El.	3/16/2026 L2612470-07 DUP-02_20260316 0 - 2 (ft) 14.45-12.45 El.	3/16/2026 L2612470-08 SB-103_3-5_RS 3 - 5 (ft) 11.45-9.45 El.	3/16/2026 L2612470-09 SB-103_7-9_RS 7 - 9 (ft) 7.45-5.45 El.
Ground El. 14.45'				
Volatile Organic Compounds (mg/kg)				
Tetrachloroethene	***3.1***	***2***	0.92	***6.1***
Trichloroethene	0.12	0.086	0.028	***1.4***
cis-1,2-Dichloroethene	ND	ND	ND	***3.2***

DB-03A	3/16/2026 L2612470-10 DB-03A_0-2 0 - 2 (ft) 14.45-12.45 El.	3/16/2026 L2612470-11 DB-03A_3-5 3 - 5 (ft) 11.45-9.45 El.	3/16/2026 L2612470-12 DB-03A_7-9 7 - 9 (ft) 7.45-5.45 El.
Ground El. 14.45'			
Volatile Organic Compounds (mg/kg)			
Tetrachloroethene	***14***	***72***	***3.2***
Trichloroethene	***1.4***	***3***	0.22
cis-1,2-Dichloroethene	***0.24***	***0.97***	0.12

DB-03B	3/16/2026 L2614270-13 DB-03B_0-2 0 - 2 (ft) 14.45-12.45 El.	3/16/2026 L2614270-14 DB-03B_3-5 3 - 5 (ft) 11.45-9.45 El.	3/16/2026 L2614270-15 DB-03B_7-9 7 - 9 (ft) 7.45-5.45 El.
Ground El. 14.45'			
Volatile Organic Compounds (mg/kg)			
Tetrachloroethene	0.15	***5.8***	0.0046
Trichloroethene	0.0066	0.079	0.0043
cis-1,2-Dichloroethene	0.00034 J	ND (0.056)	0.0013

LEGEND

- PREVIOUS SOIL BORING
- SOIL BORING
- PROPOSED BUILDING FOOTPRINT
- SITE BOUNDARY
- PARCEL BOUNDARY

Analyte	*NY-PGW*	NY-RESR	NY-UNRES
Volatile Organic Compounds (mg/kg)			
cis-1,2-Dichloroethene	0.19	41	0.19
Tetrachloroethene	1.3	18	1.3
Trichloroethene	0.47	6.4	0.47

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

2. ASSESSOR PARCEL DATA SOURCE: NEW YORK CITY DEPARTMENT OF CITY PLANNING (DCP)

3. AERIAL IMAGERY SOURCE: NEARMAP, OCTOBER 1, 2025

4. 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 (SCOS), RESTRICTED-RESIDENTIAL USE SCOS, AND PROTECTION OF GROUNDWATER SCOS.
5. EXCEEDANCES OF NY-UNRES SCOS ARE SHADED GRAY.
6. EXCEEDANCES OF NY-UNRES AND NY-RESR ARE SHADED YELLOW.
7. EXCEEDANCES OF THE NY-PGW ARE BOLDED AND ITALICIZED.
8. NY-PGW = NYSDEC PART 375 PROTECTION OF GROUNDWATER CRITERIA.
9. NY-RESR = NYSDEC PART 375 RESTRICTED-RESIDENTIAL USE SCOS.
10. NY-UNRES = NYSDEC PART 375 UNRESTRICTED USE SCOS.
11. mg/kg = MILLIGRAMS/KILOGRAM.
10. ND (2.5) = NOT DETECTED, NUMBER IN PARENTHESIS IS THE LABORATORY REPORTING LIMIT.
11. J = ESTIMATED VALUE.

0 40 80
SCALE IN FEET

HALEY ALDRICH

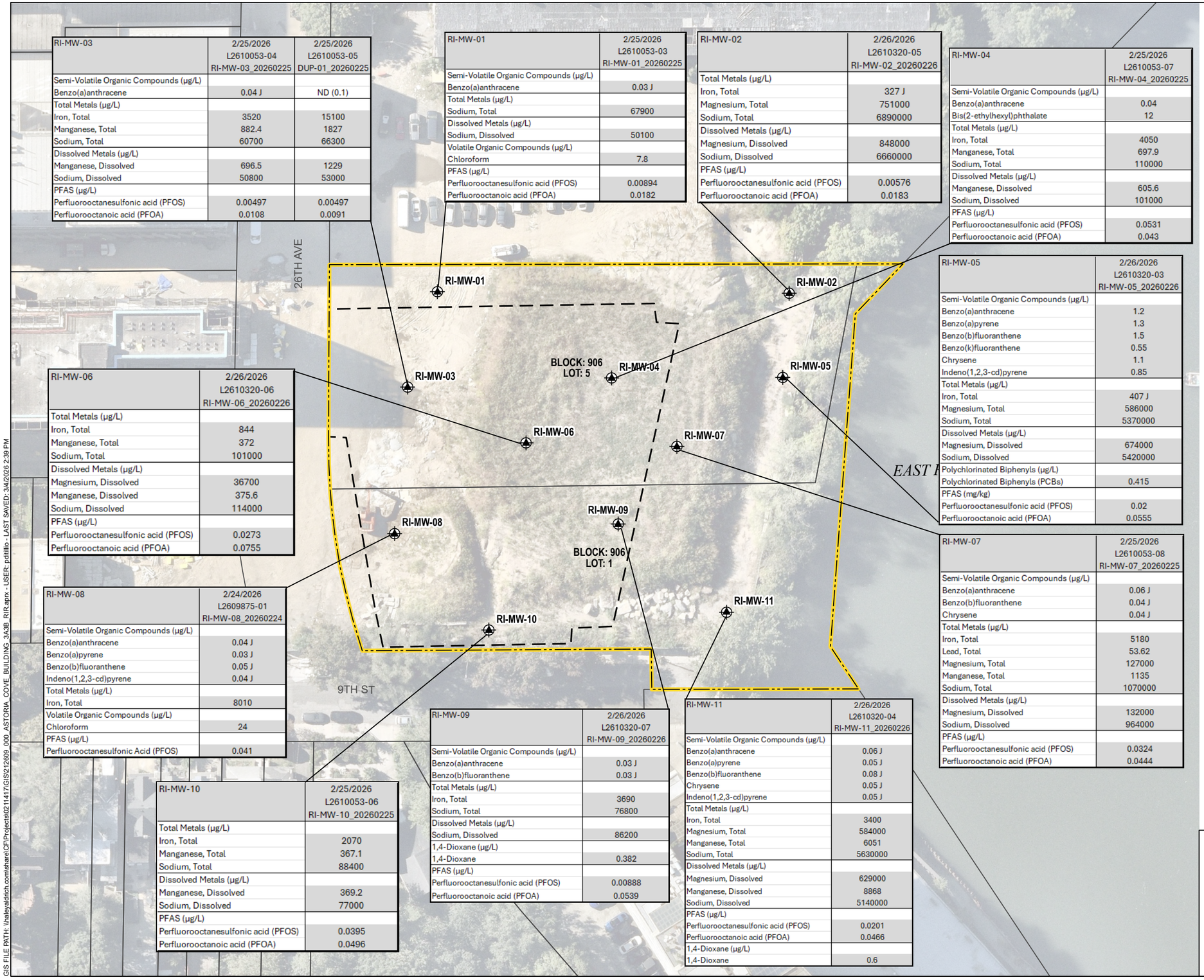
8-01 AND 8-51 26TH AVENUE
QUEENS, NEW YORK

SOIL CVOC DELINEATION EXCEEDANCE MAP

JUNE 2026

FIGURE 6

GIS FILE PATH: \\haleyaldrich.com\share\CFLProjects\0211417\GIS\212609_000_ASTORIA_COVE_BUILDING_3A3B_RIR.aprx - USER: pdifillio - LAST SAVED: 3/24/2026 2:22 PM



RI-MW-03	2/25/2026 L2610053-04 RI-MW-03_20260225	2/25/2026 L2610053-05 DUP-01_20260225
Semi-Volatile Organic Compounds (µg/L)		
Benzo(a)anthracene	0.04 J	ND (0.1)
Total Metals (µg/L)		
Iron, Total	3520	15100
Manganese, Total	882.4	1827
Sodium, Total	60700	66300
Dissolved Metals (µg/L)		
Manganese, Dissolved	696.5	1229
Sodium, Dissolved	50800	53000
PFAS (µg/L)		
Perfluorooctanesulfonic acid (PFOS)	0.00497	0.00497
Perfluorooctanoic acid (PFOA)	0.0108	0.0091

RI-MW-01	2/25/2026 L2610053-03 RI-MW-01_20260225
Semi-Volatile Organic Compounds (µg/L)	
Benzo(a)anthracene	0.03 J
Total Metals (µg/L)	
Sodium, Total	67900
Dissolved Metals (µg/L)	
Sodium, Dissolved	50100
Volatile Organic Compounds (µg/L)	
Chloroform	7.8
PFAS (µg/L)	
Perfluorooctanesulfonic acid (PFOS)	0.00894
Perfluorooctanoic acid (PFOA)	0.0182

RI-MW-02	2/26/2026 L2610320-05 RI-MW-02_20260226
Total Metals (µg/L)	
Iron, Total	327 J
Magnesium, Total	751000
Sodium, Total	6890000
Dissolved Metals (µg/L)	
Magnesium, Dissolved	848000
Sodium, Dissolved	6660000
PFAS (µg/L)	
Perfluorooctanesulfonic acid (PFOS)	0.00576
Perfluorooctanoic acid (PFOA)	0.0183

RI-MW-04	2/25/2026 L2610053-07 RI-MW-04_20260225
Semi-Volatile Organic Compounds (µg/L)	
Benzo(a)anthracene	0.04
Bis(2-ethylhexyl)phthalate	12
Total Metals (µg/L)	
Iron, Total	4050
Manganese, Total	697.9
Sodium, Total	110000
Dissolved Metals (µg/L)	
Manganese, Dissolved	605.6
Sodium, Dissolved	101000
PFAS (µg/L)	
Perfluorooctanesulfonic acid (PFOS)	0.0531
Perfluorooctanoic acid (PFOA)	0.043

RI-MW-05	2/26/2026 L2610320-03 RI-MW-05_20260226
Semi-Volatile Organic Compounds (µg/L)	
Benzo(a)anthracene	1.2
Benzo(a)pyrene	1.3
Benzo(b)fluoranthene	1.5
Benzo(k)fluoranthene	0.55
Chrysene	1.1
Indeno(1,2,3-cd)pyrene	0.85
Total Metals (µg/L)	
Iron, Total	407 J
Magnesium, Total	586000
Sodium, Total	5370000
Dissolved Metals (µg/L)	
Magnesium, Dissolved	674000
Sodium, Dissolved	5420000
Polychlorinated Biphenyls (µg/L)	
Polychlorinated Biphenyls (PCBs)	0.415
PFAS (mg/kg)	
Perfluorooctanesulfonic acid (PFOS)	0.02
Perfluorooctanoic acid (PFOA)	0.0555

RI-MW-06	2/26/2026 L2610320-06 RI-MW-06_20260226
Total Metals (µg/L)	
Iron, Total	844
Manganese, Total	372
Sodium, Total	101000
Dissolved Metals (µg/L)	
Magnesium, Dissolved	36700
Manganese, Dissolved	375.6
Sodium, Dissolved	114000
PFAS (µg/L)	
Perfluorooctanesulfonic acid (PFOS)	0.0273
Perfluorooctanoic acid (PFOA)	0.0755

RI-MW-07	2/25/2026 L2610053-08 RI-MW-07_20260225
Semi-Volatile Organic Compounds (µg/L)	
Benzo(a)anthracene	0.06 J
Benzo(b)fluoranthene	0.04 J
Chrysene	0.04 J
Total Metals (µg/L)	
Iron, Total	5180
Lead, Total	53.62
Magnesium, Total	127000
Manganese, Total	1135
Sodium, Total	1070000
Dissolved Metals (µg/L)	
Magnesium, Dissolved	132000
Sodium, Dissolved	964000
PFAS (µg/L)	
Perfluorooctanesulfonic acid (PFOS)	0.0324
Perfluorooctanoic acid (PFOA)	0.0444

RI-MW-08	2/24/2026 L2609875-01 RI-MW-08_20260224
Semi-Volatile Organic Compounds (µg/L)	
Benzo(a)anthracene	0.04 J
Benzo(a)pyrene	0.03 J
Benzo(b)fluoranthene	0.05 J
Indeno(1,2,3-cd)pyrene	0.04 J
Total Metals (µg/L)	
Iron, Total	8010
Volatile Organic Compounds (µg/L)	
Chloroform	24
PFAS (µg/L)	
Perfluorooctanesulfonic Acid (PFOS)	0.041

RI-MW-09	2/26/2026 L2610320-07 RI-MW-09_20260226
Semi-Volatile Organic Compounds (µg/L)	
Benzo(a)anthracene	0.03 J
Benzo(b)fluoranthene	0.03 J
Total Metals (µg/L)	
Iron, Total	3690
Sodium, Total	76800
Dissolved Metals (µg/L)	
Sodium, Dissolved	86200
1,4-Dioxane (µg/L)	
1,4-Dioxane	0.382
PFAS (µg/L)	
Perfluorooctanesulfonic acid (PFOS)	0.00888
Perfluorooctanoic acid (PFOA)	0.0539

RI-MW-10	2/25/2026 L2610053-06 RI-MW-10_20260225
Total Metals (µg/L)	
Iron, Total	2070
Manganese, Total	367.1
Sodium, Total	88400
Dissolved Metals (µg/L)	
Manganese, Dissolved	369.2
Sodium, Dissolved	77000
PFAS (µg/L)	
Perfluorooctanesulfonic acid (PFOS)	0.0395
Perfluorooctanoic acid (PFOA)	0.0496

RI-MW-11	2/26/2026 L2610320-04 RI-MW-11_20260226
Semi-Volatile Organic Compounds (µg/L)	
Benzo(a)anthracene	0.06 J
Benzo(a)pyrene	0.05 J
Benzo(b)fluoranthene	0.08 J
Chrysene	0.05 J
Indeno(1,2,3-cd)pyrene	0.05 J
Total Metals (µg/L)	
Iron, Total	3400
Magnesium, Total	584000
Manganese, Total	6051
Sodium, Total	5630000
Dissolved Metals (µg/L)	
Magnesium, Dissolved	629000
Manganese, Dissolved	8868
Sodium, Dissolved	5140000
PFAS (µg/L)	
Perfluorooctanesulfonic acid (PFOS)	0.0201
Perfluorooctanoic acid (PFOA)	0.0466
1,4-Dioxane (µg/L)	
1,4-Dioxane	0.6

LEGEND

- MONITORING WELL
- PROPOSED BUILDING FOOTPRINT
- SITE BOUNDARY
- PARCEL BOUNDARY

	New York TOGS 111 Ambient Water Quality Standards	New York April 2023 Ambient Water Quality Guidance Values
Semi-Volatile Organic Compounds (µg/L)		
Benzo(a)anthracene	0.002	NA
Benzo(a)pyrene	0	NA
Benzo(b)fluoranthene	0.002	NA
Benzo(k)fluoranthene	0.002	NA
Bis(2-ethylhexyl)phthalate	5	NA
Chrysene	0.002	NA
Indeno(1,2,3-cd)pyrene	0.002	NA
Total Metals (µg/L)		
Iron, Total	300	NA
Lead, Total	25	NA
Magnesium, Total	35000	NA
Manganese, Total	300	NA
Sodium, Total	20000	NA
Dissolved Metals (µg/L)		
Magnesium, Dissolved	35000	NA
Manganese, Dissolved	300	NA
Sodium, Dissolved	20000	NA
Polychlorinated Biphenyls (µg/L)		
Polychlorinated Biphenyls (PCBs)	0.09	NA
PFAS (µg/L)		
Perfluorooctanesulfonic acid (PFOS)	NA	0.0027
Perfluorooctanoic acid (PFOA)	NA	0.0067
1,4-Dioxane (µg/L)		
1,4-Dioxane	0.35	NA
Volatile Organic Compounds (µg/L)		
Chloroform	7	NA

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: NEW YORK CITY DEPARTMENT OF CITY PLANNING (DCP)
3. AERIAL IMAGERY SOURCE: NEARMAP, OCTOBER 1, 2025
4. µg/L = MICROGRAMS PER LITER

0 60 120
SCALE IN FEET

HALEY ALDRICH

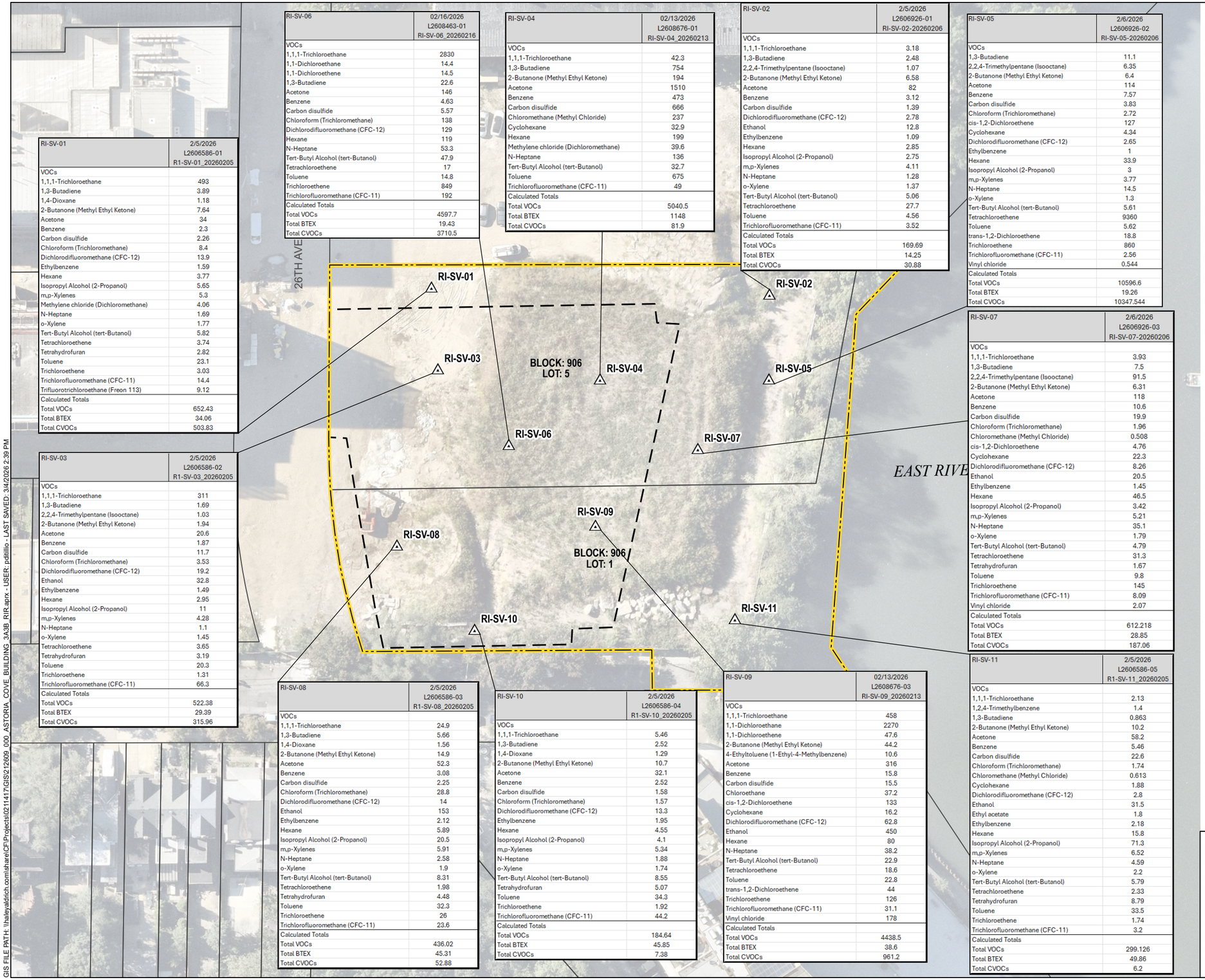
8-01 AND 8-51 26TH AVENUE
QUEENS, NEW YORK

GROUNDWATER RESULTS EXCEEDANCE MAP

JUNE 2026

FIGURE 7

GIS FILE PATH: \\haleyaldrich.com\share\CFProjects\0211417\GIS\212609_000_ASTORIA_COVE_BUILDING_3A3B_RIR.aprx - USER: pdifillio - LAST SAVED: 3/4/2026 2:39 PM



RI-SV-01	2/5/2026 L2606586-01 R1-SV-01_20260205
VOCs	
1,1,1-Trichloroethane	493
1,3-Butadiene	3.89
1,4-Dioxane	1.18
2-Butanone (Methyl Ethyl Ketone)	7.64
Acetone	34
Benzene	2.3
Carbon disulfide	2.26
Chloroform (Trichloromethane)	8.4
Dichlorodifluoromethane (CFC-12)	13.9
Ethylbenzene	1.59
Hexane	3.77
Isopropyl Alcohol (2-Propanol)	5.65
m,p-Xylenes	5.3
Methylene chloride (Dichloromethane)	4.06
N-Heptane	1.69
o-Xylene	1.77
Tert-Butyl Alcohol (tert-Butanol)	5.82
Tetrachloroethene	3.74
Tetrahydrofuran	2.82
Toluene	23.1
Trichloroethene	3.03
Trichlorofluoromethane (CFC-11)	14.4
Trifluorotrichloroethane (Freon 113)	9.12
Calculated Totals	
Total VOCs	652.43
Total BTEX	34.06
Total CVOCs	503.83

RI-SV-03	2/5/2026 L2606586-02 R1-SV-03_20260205
VOCs	
1,1,1-Trichloroethane	311
1,3-Butadiene	1.69
2,2,4-Trimethylpentane (Isooctane)	1.03
2-Butanone (Methyl Ethyl Ketone)	1.94
Acetone	20.6
Benzene	1.87
Carbon disulfide	11.7
Chloroform (Trichloromethane)	3.53
Dichlorodifluoromethane (CFC-12)	19.2
Ethanol	32.8
Ethylbenzene	1.49
Hexane	2.95
Isopropyl Alcohol (2-Propanol)	11
m,p-Xylenes	4.28
N-Heptane	1.1
o-Xylene	1.45
Tetrachloroethene	3.65
Tetrahydrofuran	3.19
Toluene	20.3
Trichloroethene	1.31
Trichlorofluoromethane (CFC-11)	66.3
Calculated Totals	
Total VOCs	522.38
Total BTEX	29.39
Total CVOCs	315.96

RI-SV-06	02/16/2026 L2608463-01 RI-SV-06_20260216
VOCs	
1,1,1-Trichloroethane	2830
1,1-Dichloroethane	14.4
1,1-Dichloroethene	14.5
1,3-Butadiene	22.6
Acetone	146
Benzene	4.63
Carbon disulfide	5.57
Chloroform (Trichloromethane)	138
Dichlorodifluoromethane (CFC-12)	129
Hexane	119
N-Heptane	53.3
Tert-Butyl Alcohol (tert-Butanol)	47.9
Tetrachloroethene	17
Toluene	14.8
Trichloroethene	849
Trichlorofluoromethane (CFC-11)	192
Calculated Totals	
Total VOCs	4597.7
Total BTEX	19.43
Total CVOCs	3710.5

RI-SV-04	02/13/2026 L2608676-01 RI-SV-04_20260213
VOCs	
1,1,1-Trichloroethane	42.3
1,3-Butadiene	754
2-Butanone (Methyl Ethyl Ketone)	194
Acetone	1510
Benzene	473
Carbon disulfide	666
Chloromethane (Methyl Chloride)	237
Cyclohexane	32.9
Hexane	199
Methylene chloride (Dichloromethane)	39.6
N-Heptane	136
Tert-Butyl Alcohol (tert-Butanol)	32.7
Toluene	675
Trichlorofluoromethane (CFC-11)	49
Calculated Totals	
Total VOCs	5040.5
Total BTEX	1148
Total CVOCs	81.9

RI-SV-02	2/5/2026 L2606926-01 RI-SV-02-20260206
VOCs	
1,1,1-Trichloroethane	3.18
1,3-Butadiene	2.48
2,2,4-Trimethylpentane (Isooctane)	1.07
2-Butanone (Methyl Ethyl Ketone)	6.58
Acetone	82
Benzene	3.12
Carbon disulfide	1.39
Dichlorodifluoromethane (CFC-12)	2.78
Ethanol	12.8
Ethylbenzene	1.09
Hexane	2.85
Isopropyl Alcohol (2-Propanol)	2.75
m,p-Xylenes	4.11
N-Heptane	1.28
o-Xylene	1.37
Tert-Butyl Alcohol (tert-Butanol)	5.06
Tetrachloroethene	27.7
Toluene	4.56
Trichlorofluoromethane (CFC-11)	3.52
Calculated Totals	
Total VOCs	169.69
Total BTEX	14.25
Total CVOCs	30.88

RI-SV-05	2/6/2026 L2606926-02 RI-SV-05-20260206
VOCs	
1,3-Butadiene	11.1
2,2,4-Trimethylpentane (Isooctane)	6.35
2-Butanone (Methyl Ethyl Ketone)	6.4
Acetone	114
Benzene	7.57
Carbon disulfide	3.83
Chloroform (Trichloromethane)	2.72
cis-1,2-Dichloroethene	127
Cyclohexane	4.34
Dichlorodifluoromethane (CFC-12)	2.65
Ethylbenzene	1
Hexane	33.9
Isopropyl Alcohol (2-Propanol)	3
m,p-Xylenes	3.77
N-Heptane	14.5
o-Xylene	1.3
Tert-Butyl Alcohol (tert-Butanol)	5.61
Tetrachloroethene	9360
Toluene	5.62
trans-1,2-Dichloroethene	18.8
Trichloroethene	860
Trichlorofluoromethane (CFC-11)	2.56
Vinyl chloride	0.544
Calculated Totals	
Total VOCs	10596.6
Total BTEX	19.26
Total CVOCs	10347.544

RI-SV-07	2/6/2026 L2606926-03 RI-SV-07-20260206
VOCs	
1,1,1-Trichloroethane	3.93
1,3-Butadiene	7.5
2,2,4-Trimethylpentane (Isooctane)	91.5
2-Butanone (Methyl Ethyl Ketone)	6.31
Acetone	118
Benzene	10.6
Carbon disulfide	19.9
Chloroform (Trichloromethane)	1.96
Chloromethane (Methyl Chloride)	0.508
cis-1,2-Dichloroethene	4.76
Cyclohexane	22.3
Dichlorodifluoromethane (CFC-12)	8.26
Ethanol	20.5
Ethylbenzene	1.45
Hexane	46.5
Isopropyl Alcohol (2-Propanol)	3.42
m,p-Xylenes	5.21
N-Heptane	35.1
o-Xylene	1.79
Tert-Butyl Alcohol (tert-Butanol)	4.79
Tetrachloroethene	31.3
Tetrahydrofuran	1.67
Toluene	9.8
Trichloroethene	145
Trichlorofluoromethane (CFC-11)	8.09
Vinyl chloride	2.07
Calculated Totals	
Total VOCs	612.218
Total BTEX	28.85
Total CVOCs	187.06

RI-SV-08	2/5/2026 L2606586-03 R1-SV-08_20260205
VOCs	
1,1,1-Trichloroethane	24.9
1,3-Butadiene	5.66
1,4-Dioxane	1.56
2-Butanone (Methyl Ethyl Ketone)	14.9
Acetone	52.3
Benzene	3.08
Carbon disulfide	2.25
Chloroform (Trichloromethane)	28.8
Dichlorodifluoromethane (CFC-12)	14
Ethanol	153
Ethylbenzene	2.12
Hexane	5.89
Isopropyl Alcohol (2-Propanol)	20.5
m,p-Xylenes	5.91
N-Heptane	2.58
o-Xylene	1.9
Tert-Butyl Alcohol (tert-Butanol)	8.31
Tetrachloroethene	1.98
Tetrahydrofuran	4.48
Toluene	32.3
Trichloroethene	26
Trichlorofluoromethane (CFC-11)	23.6
Calculated Totals	
Total VOCs	436.02
Total BTEX	45.31
Total CVOCs	52.88

RI-SV-10	2/5/2026 L2606586-04 R1-SV-10_20260205
VOCs	
1,1,1-Trichloroethane	5.46
1,3-Butadiene	2.52
1,4-Dioxane	1.29
2-Butanone (Methyl Ethyl Ketone)	10.7
Acetone	32.1
Benzene	2.52
Carbon disulfide	1.58
Chloroform (Trichloromethane)	1.57
Dichlorodifluoromethane (CFC-12)	13.3
Ethylbenzene	1.95
Hexane	4.55
Isopropyl Alcohol (2-Propanol)	4.1
m,p-Xylenes	5.34
N-Heptane	1.88
o-Xylene	1.74
Tert-Butyl Alcohol (tert-Butanol)	8.55
Tetrahydrofuran	5.07
Toluene	34.3
Trichloroethene	1.92
Trichlorofluoromethane (CFC-11)	44.2
Calculated Totals	
Total VOCs	184.64
Total BTEX	45.85
Total CVOCs	7.38

RI-SV-09	02/13/2026 L2608676-03 RI-SV-09_20260213
VOCs	
1,1,1-Trichloroethane	458
1,1-Dichloroethane	2270
1,1-Dichloroethene	47.6
2-Butanone (Methyl Ethyl Ketone)	44.2
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	10.6
Acetone	316
Benzene	15.8
Carbon disulfide	15.5
Chloroethane	37.2
cis-1,2-Dichloroethene	133
Cyclohexane	16.2
Dichlorodifluoromethane (CFC-12)	62.8
Ethanol	450
Hexane	80
N-Heptane	38.2
Tert-Butyl Alcohol (tert-Butanol)	22.9
Tetrachloroethene	18.6
Toluene	22.8
trans-1,2-Dichloroethene	44
Trichloroethene	126
Trichlorofluoromethane (CFC-11)	31.1
Vinyl chloride	178
Calculated Totals	
Total VOCs	4438.5
Total BTEX	38.6
Total CVOCs	961.2

RI-SV-11	2/5/2026 L2606586-05 R1-SV-11_20260205
VOCs	
1,1,1-Trichloroethane	2.13
1,2,4-Trimethylbenzene	1.4
1,3-Butadiene	0.863
2-Butanone (Methyl Ethyl Ketone)	10.2
Acetone	58.2
Benzene	5.46
Carbon disulfide	22.6
Chloroform (Trichloromethane)	1.74
Chloromethane (Methyl Chloride)	0.613
Cyclohexane	1.88
Dichlorodifluoromethane (CFC-12)	2.8
Ethanol	31.5
Ethyl acetate	1.8
Ethylbenzene	2.18
Hexane	15.8
Isopropyl Alcohol (2-Propanol)	71.3
m,p-Xylenes	6.52
N-Heptane	4.59
o-Xylene	2.2
Tert-Butyl Alcohol (tert-Butanol)	5.79
Tetrachloroethene	2.33
Tetrahydrofuran	8.79
Toluene	33.5
Trichloroethene	1.74
Trichlorofluoromethane (CFC-11)	3.2
Calculated Totals	
Total VOCs	299.126
Total BTEX	49.86
Total CVOCs	6.2

LEGEND

- SOIL VAPOR SAMPLE
- PROPOSED BUILDING FOOTPRINT
- SITE BOUNDARY
- PARCEL BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: NEW YORK CITY DEPARTMENT OF CITY PLANNING (DCP)
3. AERIAL IMAGERY SOURCE: NEARMAP, OCTOBER 1, 2025
4. ALL DETECTED ANALYTES ARE SHOWN ON FIGURE.
5. RESULTS ARE DISPLAYED IN MICROGRAMS PER CUBIC METER (ug/m3).
6. TOTAL DETECTED CONCENTRATIONS OF BENZENE, TOLUENE, ETHYLBENZENE AND XYLENES (BTEX).
7. TOTAL VOCs IS THE SUM OF ALL DETECTED CONCENTRATIONS.
8. SUM OF CVOCS IS THE SUM OF ALL DETECTED CHLORINATED VOCS.

N

0 60 120

SCALE IN FEET

HALEY ALDRICH

8-01 AND 8-51 26TH AVENUE
QUEENS, NEW YORK

SOIL VAPOR RESULTS MAP

JUNE 2026

FIGURE 8

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\021417\GIS\212609_000_ASTORIA_COVE_BUILDING_3A3B_RIR.aprx - USER: pdilillo - LAST SAVED: 3/4/2026 2:39 PM

APPENDIX A
Remedial Investigation Work Plan

HALEY ALDRICH

www.haleyaldrich.com

REMEDIAL INVESTIGATION WORK PLAN
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
NYSDEC BCP SITE NO. C241295
8-01 AND 8-51 26TH AVENUE
QUEENS, NEW YORK

by
H & A of New York Engineering and Geology, LLP
New York, New York

for
KS Astoria, LLC
Newark, New Jersey

File No. 0211417
January 2026

Certification

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 Work Plan was prepared in accordance with the applicable statutes and regulations and in substantial conformance with the Division of Environmental Remediation Technical Guidance for Site Investigation and Remediation (DER-10).

January 9, 2026

James M. Bellew *Date*

Table of Contents

		Page
Certification		i
List of Tables		iv
List of Figures		iv
List of Appendices		iv
List of Acronyms and Abbreviations		v
1. Introduction		1
1.1	PURPOSE	1
2. Background		3
2.1	CURRENT LAND USE	3
2.2	SITE HISTORY	3
2.3	SURROUNDING LAND USE	3
2.4	SURROUNDING LAND USE HISTORY	3
2.5	PREVIOUS INVESTIGATIONS	4
3. Remedial Investigation		9
3.1	UTILITY MARKOUT	9
3.2	SOIL SAMPLING	9
3.3	GROUNDWATER SAMPLING	10
3.4	INVESTIGATION-DERIVED WASTE	11
3.5	SOIL VAPOR SAMPLING	12
3.6	PROPOSED SAMPLING RATIONALE	12
4. Green and Sustainable Remediation and Climate Resiliency		13
4.1	BEST PRACTICES AND TECHNIQUES	13
4.2	REPORTING	14
4.3	CLIMATE RESILIENCY EVALUATION	14
4.4	ENVIRONMENTAL FOOTPRINT ANALYSIS	14
5. Quality Assurance and Quality Control		15
6. Data Use		16
6.1	DATA SUBMITTAL	16
6.2	DATA VALIDATION	16
7. Project Organization		17

8. Health and Safety **18**

8.1 HEALTH AND SAFETY PLAN 18
8.2 COMMUNITY AIR MONITORING PLAN 18
8.3 QUALITATIVE HUMAN HEALTH EXPOSURE ASSESSMENT 18

9. Reporting **20**

10. Schedule **21**

References **22**

List of Tables

Table No.	Title
1	Sampling and Analysis Plan

List of Figures

Figure No.	Title
1	Project Locus
2	Proposed Sample Location Map
3	Surrounding Land Use Map
4	Summary of Historical Soil Analytical Data
5	Summary of Historical Groundwater Data
6	Summary of Historical Soil Vapor Analytical Data

List of Appendices

Appendix	Title
A	Previous Reports
B	Field Sampling Plan
C	Quality Assurance Project Plan
D	NYSDEC Emerging Contaminant Field Sampling Guidance
E	Climate Screening Checklist
F	Green Sustainable Remediation Documents
G	Health and Safety Plan
H	NYSDOH CAMP Guidance Document
I	Fish and Wildlife Resource Impact Analysis Decision Key

List of Acronyms and Abbreviations

Acronym/Abbreviation	Definition
µg/L	micrograms per liter
µg/m^3	micrograms per cubic meter
Alpha	Alpha Analytical
ASP	Analytical Service Protocol
AWQS	Ambient Water Quality Standards
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylene
CAMP	Community Air Monitoring Plan
CEQR	City Environmental Quality Review
CFR	Code of Federal Regulations
CUSCO	Commercial Use Soil Cleanup Objectives
CVOCs	chlorinated volatile organic compounds
DER	Division of Environmental Remediation
DER-10	Division of Environmental Remediation-10 *(specifically "May 2010 NYSDEC Technical Guidance for Site Investigation and Remediation")*
DER-31	Division of Environmental Remediation-31
DUSR	Data Usability Summary Report
EA	exposure assessment
EDD	Electronic Data Deliverable
ELAP	Environmental Laboratory Approval Program
ESA	Environmental Site Assessment
FSP	Field Sampling Plan
ft	feet/foot
GEI Consultants	GEI Consultants, Inc., P.C.
GPR	Ground-penetrating radar
Haley & Aldrich of New York	H & A of New York Engineering and Geology, LLP
HASP	Health and Safety Plan
HREC	Historic Recognized Environmental Condition
L/min	liters per minute
Lakewood	Lakewood Environmental Services Corporation
LSDF	low-sulfur diesel fuel
mg/kg	milligrams per kilogram
NAVD88	North American Vertical Datum of 1988
Nova	Nova Geophysical Services, LLC
NTU	nephelometric turbidity unit
NYCRR	New York Codes, Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
OSHA	Occupational Safety and Health Administration

List of Acronyms and Abbreviations

Acronym/Abbreviation	Definition
PAHs	polycyclic aromatic hydrocarbons
PCBs	polychlorinated biphenyls
PCE	tetrachloroethene
PFAS	per- and poly-fluoroalkyl substances
PFOA	perfluorooctanoic acid
PFOS	perfluorooctanesulfonic acid
PID	photoionization detector
ppm	parts per million
QA/QC	Quality Assurance / Quality Control
QAO	Quality Assurance Officer
QAPP	Quality Assurance Project Plan
QEP	Qualified Environmental Professional
QHHEA	Qualitative Human Health Exposure Assessment
RAWP	Remedial Action Work Plan
RECs	Recognized Environmental Conditions
RI	Remedial Investigation
RIR	Remedial Investigation Report
RIWP	Remedial Investigation Work Plan
RRSCOs	Restricted Residential Use Soil Cleanup Objectives
SEFA	Spreadsheets for the Environmental Footprint Analysis
Site	Former Tilsdale Lumber and Coal Redevelopment Site located at 8-01 and 8-51 26th Avenue in Queens, New York
sq ft	square feet/square foot
SVOCs	semi-volatile organic compounds
TAL	Total Analyte List
TCE	trichloroethene
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
USEPA	U.S. Environmental Protection Agency
UUSCOs	Unrestricted Use Soil Cleanup Objectives
VOCs	volatile organic compounds
Volunteer	KS Astoria LLC

1. Introduction

On behalf of the Volunteer, KS Astoria LLC, H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) has prepared this Remedial Investigation Work Plan (RIWP) for the Former Tilsdale Lumber and Coal Redevelopment Site located at 8-01 and 8-51 26th Avenue in Queens, New York (Site). This RIWP was prepared in accordance with the regulations and guidance applicable to the Brownfield Cleanup Program (BCP).

The Site, identified as Block 906, Lots 1 and 5 on the New York City tax map, is currently an open, undeveloped lot used by several contractors for storage of equipment and materials. The Site encompasses approximately 1.598 acres (69,616 square feet [sq ft]). The Site is bounded to the north by the East River; to the east by a 23-story multi-family building and two three-story, one- and two-family residences; to the south by an unimproved section of 26th Avenue followed by an active construction site (proposed Buildings 4 and 5); and to the west by an open, unimproved lot followed by two one-story industrial use buildings. The Site location is shown on Figure 1. Existing Site features are shown on Figure 2, and the surrounding land use is depicted on Figure 3.

According to the New York City Planning Commission Zoning Map 9a, the Site is located within a residential zoning district (R7-3) with a commercial overlay (C2-4). The proposed development of this property is consistent with the current zoning. The Site has been assigned an E-Designation (E-343) for hazardous materials and air quality as part of the Astoria Cove Rezoning (City Environmental Quality Review [CEQR] Project No.13DCP127Q).

The planned project will consist of constructing a new eight-story residential building and one cellar level as Building 3A and a new 26-story residential tower atop an eight- to 10-story residential podium and one cellar level as Building 3B. The area to the west of the buildings will be developed as the 8th Street Mews, a public access area. The area to the north of the buildings will be developed as a paved pedestrian walkway. The areas to the south and east of the buildings will be finished with sidewalks. The new development is anticipated to extend approximately 10 feet (ft) below ground surface (bgs) to an elevation (El.) of 8.5 ft North American Vertical Datum of 1988 (NAVD88) and is consistent with current zoning.

1.1 PURPOSE

The objective of the Remedial Investigation (RI) is to characterize the nature and extent of environmental impacts at the Site and to provide sufficient information to evaluate remedial alternatives, as required. Based on previous investigations conducted at the Site in December 2014, February 2020, and January 2022, the primary contaminants of concern for the Site include:

- volatile organic compounds (VOCs), specifically chlorinated volatile organic compounds (CVOCs); semi-volatile organic compounds (SVOCs), specifically polycyclic aromatic hydrocarbons (PAHs); metals, including lead, mercury, and trivalent chromium; pesticides; polychlorinated biphenyls (PCBs); and per- and polyfluoroalkyl substances (PFAS) in soil;
- CVOCs, SVOCs, PCBs, and PFAS in groundwater; and

- CVOCs in soil vapor.

Historical soil, groundwater, and soil vapor analytical data collected at the Site are provided in Figures 4, 5, and 6, respectively.

The previous investigations did not comprehensively delineate the extent of soil, groundwater, and soil vapor contamination at the Site; therefore, additional targeted soil, groundwater, and soil vapor sampling are proposed The RI will be implemented upon approval of this RIWP. Results of the additional sample analyses proposed in this RIWP will be used to confirm the results of the previous Site characterization activities, delineate any on-Site source(s), address data gaps, and determine a course for remedial action. In addition, a qualitative exposure assessment will be conducted and will consider the nature of populations currently exposed or that have the potential to be exposed to Site-related contaminants both on and off Site, along with describing the reasonably anticipated future land use of the Site and affected off-Site areas.

2. Background

2.1 CURRENT LAND USE

The Site, identified as Block 906, Lots 1 and 5 on the New York City tax map, is currently an open, undeveloped lot used by several contractors for storage of equipment and materials. The Site encompasses approximately 1.598 acres (69,616 sq ft). The Site location is shown on Figure 1.

2.2 SITE HISTORY

According to historical Sanborn Fire Insurance Maps, the Site was first developed in the late 1890s. Lot 1 was improved with a dwelling, and Lot 5 was improved with a lumber shed, a coal bin, coal pockets, a small office, and a dwelling operated by "Tilsdale Lumber & Coal Yard." By 1915, the dwelling on Lot 1 was razed and replaced with lumber piles and occupied by "Tilsdale Lumber & Coal Yard." During that time, Lot 5 was improved with coal pockets, lumber piles, a lumber shed, and multiple storage buildings. By 1948, the lumber yard structures were replaced with a large industrial building on Lot 5 and a smaller building on Lot 1, which were attached to the west-adjacent buildings operated by "Morey Machinery Co. Inc.," a machine shop. The building on Lot 5 was utilized for assembly, and the building on Lot 1 was utilized for heat treatment, grinding, and storage. By 1981, the same structures were depicted on the Sanborn Fire Insurance Maps, but the buildings were occupied by "Superstud Superior Steel Stud Manufacturing." From the 1990s to 2006, both lots remained unchanged. The buildings were demolished in 2023.

The current property owner, 2030 Astoria Developers, LLC, purchased the Site in August 2014. KS Astoria, LLC is in contract negotiations to purchase the Site.

2.3 SURROUNDING LAND USE

The Site is located between 9th Street and 4th Street, bounded by 26th Avenue to the southwest within an urban area of the Astoria neighborhood of Queens, New York. The area surrounding the Site consists of low-rise commercial and industrial buildings, multi-story residential apartment buildings, and one- and two-family homes. There are no sensitive receptors within a 500-ft radius of the Site. Properties immediately surrounding the Site are in R6 and R7A zoning districts with C2-4 commercial overlays.

2.4 SURROUNDING LAND USE HISTORY

The area surrounding the Site was historically used for industrial and manufacturing purposes, including timber storage, leather manufacturing, marble and stone working, and stud manufacturing from the late 1800s through 2019. By 1991, the east-adjacent property was improved with a condominium complex.

2.5 PREVIOUS INVESTIGATIONS

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

1. June 2020, *Astoria Cove Additional Subsurface Sampling*, prepared by GEI Consultants, Inc., P.C. (GEI Consultants)
2. April 2022, *Remedial Investigation Report* (RIR), prepared by GEI Consultants
3. December 2023, *Geotechnical Report*, prepared by GEI Consultants
4. March 2025, *Phase I Environmental Site Assessment* (ESA), prepared by Haley & Aldrich of New York

Full investigation findings are included in Appendix A. A summary of environmental findings of these investigations is provided below.

June 2020, *Astoria Cove Additional Subsurface Sampling,* prepared by GEI Consultants

This report summarizes the data and findings of an additional subsurface investigation performed at the subject property, referred to as the Phase 2 development area, and the surrounding Phase 1, 3, and 4 development areas between February and June 2020.

A total of 12 geotechnical soil borings (B-12 through B-23) were completed at the subject property. The soil borings were generally advanced to 75 to 100 ft bgs, or approximately 10 ft into bedrock. One of these borings (B-16) was finished as a well to obtain depth to water readings. Soil samples were collected from five of the borings (B-15, B-16, B-21, B-22, and B-23) based on visual and olfactory findings and photoionization detector (PID) screening results. Samples were analyzed for Target Compound List (TCL), VOCs, SVOCs, PCBs, pesticides, herbicides, and Target Analyte List (TAL) metals. The analytical data were compared to Title 6 of the New York Codes, Rules, and Regulations (6NYCRR) Part 375 6.8 Unrestricted Use Soil Cleanup Objectives (UUSCOs), Restricted Residential Use Soil Cleanup Objectives (RRSCOs), and Commercial Use Soil Cleanup Objectives (CUSCOs).

Urban fill was encountered throughout the subject property and ranged in thickness from 2 ft to a maximum of 23 ft in the northern portion of the subject property. Visual and olfactory impacts, including petroleum-like odors and black soil staining and elevated PID readings, were identified in the northern portion of the Site from the surface down to approximately 22 ft bgs. SVOCs exceeding UUSCOs and RRSCOs, and metals and PCBs exceeding UUSCOs, were identified in the southeast portion of the Site. VOCs and pesticides exceeding UUSCOs were identified in the soil in the northern portion of the Site.

April 2022, RIR, prepared by GEI Consultants

GEI Consultants performed an RI at Block 906, Lots 1 and 5; a small portion of Block 907, Lot 1 (proposed Building 3A and 3B; the Site); Block 909, Lot 35 (proposed Building 4); and Block 908, Lot 12 (proposed Building 5) between January and February 2022 to provide information sufficient for establishing remedial action objectives, evaluating remedial actions, and selecting a remedy. The investigation included a geophysical survey, installation of nine soil borings (SB-100 through SB-108) across the

subject property to collect 18 soil samples, four groundwater monitoring wells (MW-1 through MW-4) to collect four samples, and six soil vapor probes (SV-1 through SV-6) to collect six samples. Soil samples were analyzed for VOCs, SVOCs, TAL metals, pesticides, PCBs, 1,4-dioxane, and PFAS. Groundwater samples were analyzed for VOCs, SVOCs, TAL metals, pesticides, PCBs, 1,4-dioxane, and PFAS. Soil vapor samples were analyzed for VOCs.

Field observations and laboratory analytical results are summarized below:

- The stratigraphy from the Site, from the surface down, consists of historic fill material to a depth of 5 to 10 ft underlain by glacial sands and gravel to the termination depth of the borings. The historic fill generally consisted of sand with silt and gravel containing brick and concrete fragments. No visual impacts (e.g., staining, odors, sheens, etc.) were identified, and no PID readings above background were noted. Depth to bedrock was encountered at a previous geotechnical investigation at approximately 75 to greater than 100 ft bgs. The depth to groundwater at the Site ranges between 10 to 20 ft in the northern portion of the subject property and generally flows from south to north beneath the Site towards the East River.
- Soil/fill samples collected during the RI were compared to the 6NYCRR Part 375-6.8 UUSCOs and the RRSCOs. Soil results for proposed Building 3A and Building 3B are summarized below:
  - VOCs, including acetone (maximum of 0.12 milligrams per kilogram [mg/kg]), tetrachloroethene (PCE; maximum of 38 mg/kg), and trichloroethene (TCE; 0.86 mg/kg) were detected at concentrations exceeding UUSCOs. Of these VOCs, PCE was also detected at concentrations above RRSCOs.
  - SVOCs, including benzo(a)anthracene (maximum of 3.4 mg/kg), benzo(a)pyrene (maximum of 2.9 mg/kg), benzo(b)fluoranthene (maximum of 4.2 mg/kg), benzo(k)fluoranthene (1.2 mg/kg), chrysene (maximum of 3.1 mg/kg), dibenzo(a,h)anthracene (0.38 mg/kg), and indeno(1,2,3-cd)pyrene(maximum of 2 mg/kg) were detected at concentrations exceeding their UUSCOs. Of these SVOCs, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene were also detected at concentrations exceeding their RRSCOs.
  - Pesticides, including 4,4'-DDE (0.00562 mg/kg), 4,4'-DDD (0.0072 mg/kg), and 4,4'-DDT (0.0233 mg/kg) were detected at concentrations exceeding their UUSCOs.
  - PCBs, including Aroclor 1248 (maximum of 3.21 mg/kg), Aroclor 1254 (3.44 mg/kg), Aroclor 1260 (0.117 mg/kg), Aroclor 1268 (1.22 mg/kg), and total PCBs (maximum of 3.44 mg/kg) were detected at concentrations exceeding their UUSCOs. Of these PCBs, Aroclor 1248, Aroclor 1254, Aroclor 1268, and total PCBs were also detected at concentrations exceeding their RRSCOs.
  - Metals, including copper (maximum of 156 mg/kg), lead (maximum of 168 mg/kg), mercury (maximum of 1.45 mg/kg), nickel (140 mg/kg), trivalent chromium (maximum of 220 mg/kg), and zinc (maximum of 265 mg/kg) were detected at concentrations exceeding their UUSCOs. Of these metals, mercury and trivalent chromium were also detected at concentrations exceeding their RRSCOs.
  - Emerging contaminants, including perfluorooctanoic acid (PFOA) (0.000046 mg/kg), perfluorooctanesulfonic acid (PFOS) (0.00128 mg/kg), and perfluoroundecanoic acid

(PFUnA) (0.000059 mg/kg) were detected in the soil samples. 1,4-dioxane was not detected in any of the soil samples.

- Groundwater samples collected during the RI were compared to the New York State 6NYCRR Part 703.5 Class GA Ambient Water Quality Standards (AWQS). Groundwater results for Building 3A and Building 3B are summarized below:
  - No pesticides were detected at concentrations above their AWQS.
  - VOCs, including PCE (11 micrograms per liter [µg/L]) and TCE (maximum of 13 µg/L), were detected at concentrations exceeding their AWQS.
  - SVOCs, including benzo(a)anthracene (maximum of 0.54 µg/L), benzo(a)pyrene (maximum of 0.56 µg/L), benzo(b)fluoranthene (maximum of 0.77 µg/L), benzo(k)fluoranthene (maximum of 0.2 µg/L), chrysene (maximum of 0.45 µg/L), indeno(1,2,3-cd)pyrene (maximum of 0.47 µg/L), and phenol (maximum of 3.9 µg/L), were detected at concentrations exceeding their AWQS. Phenol was detected in the field blank sample (FB-020222) at a concentration of 2.4 µg/L, which is above the AWQS of 1 µg/L.
  - PCBs, including Aroclor 1248 (1.01 µg/L), Aroclor 1254 (1.13 µg/L), Aroclor 1260 (0.145 µg/L), and total PCBs (2.29 µg/L), were detected at concentrations exceeding their AWQS.
  - Dissolved metals, including magnesium (maximum of 494,000 µg/L), manganese (1,124 µg/L), and sodium (maximum of 4,410,000 µg/L) were detected at concentrations exceeding their AWQS.
  - Emerging contaminants, including perfluorobutanoic acid (PFBA) (maximum of 0.0131 µg/L), perfluoropentanoic acid (PFPeA) (maximum of 0.0204 µg/L), perfluorobutanesulfonic acid (PFBS) (maximum of 0.00727 µg/L), perfluorohexanoic acid (PFHxA) (maximum of 0.0227 µg/L), perfluoroheptanoic acid (PFHpA) (maximum of 0.0157 µg/L), perfluorohexanesulfonic acid (PFHxS) (maximum of 0.0272 µg/L), PFOA (maximum of 0.0409 µg/L), perfluoroheptanesulfonic acid (PFHpS) (maximum of 0.00638 µg/L), perfluorononanoic acid (PFNA) (0.0026 µg/L), PFOS (maximum of 0.038 µg/L), perfluorodecanoic acid (PFDA) (0.00081 µg/L), perfluorotetradecanoic acid (PFTA) (0.000508 µg/L), and 1,4-dioxane (maximum of 0.425 µg/L), were detected in the groundwater samples.
- Soil vapor samples collected during the RI were compared to the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion matrices dated October 2006. Soil vapor results are summarized below:
  - Soil vapor results indicated low levels of petroleum-related VOCs and elevated levels of CVOCs.
  - The total concentration of petroleum-related VOCs (benzene, toluene, ethylbenzene, and xylenes [BTEX]) ranged from 2.449 micrograms per cubic meter (µg/m³) to 14.9 µg/m³.
  - CVOCs, including 1,1,1-trichloroethane (ranging from 7.15 µg/m³ to 606 µg/m³), methylene chloride (2.48 µg/m³), and TCE (23.2 µg/m³), were detected in the soil vapor

samples. Other CVOCs, including carbon tetrachloride, PCE, and vinyl chloride, were not detected in any of the soil vapor samples.

- Acetone was detected in the soil vapor samples ranging from 69.8 µg/m³ to 3,470 µg/m³. Acetone is a common laboratory contaminant.

December 2023, *Geotechnical Report*, prepared by GEI Consultants

GEI Consultants completed a subsurface investigation to investigate subsurface conditions at the subject property (Buildings 3A/3B) and surrounding proposed development areas (Buildings 4 and 5) and present recommendations for foundations and other geotechnical aspects of design and construction. The geotechnical subsurface investigation tasks included:

- Engaging a test boring contractor to drill 27 geotechnical test borings and install six observation wells in support of Buildings 3A/3B, Building 4, and Building 5 for geotechnical design (borings B12 through B23, B101, and B102 are located on the Site);
- Performing split spoon sampling and cumulatively collected about 68 ft of rock cores;
- Evaluating soil and rock samples recovered from the test borings and preparing test boring logs; and
- Performing geotechnical index testing on soil samples from the test borings.

The following observations were made during the investigation:

- The stratigraphy at the subject property consists of pavement and fill underlain by native loose sand, followed by a discontinuous clay layer, a sand layer, till, decomposed/weathered rock then bedrock.
- Fill was identified at all exploration locations completed at the Site to depths between 2 to 10 ft bgs. The fill generally consisted of brown silty sand with varying amounts of glass, wood, bricks, and other construction debris.
- Groundwater levels were gauged in the observation wells installed in geotechnical test borings in March 2020: B5 (OW), B8 (OW), B16 (OW), B29(OW), and B53 (OW). B16(OW), located within the Site, had a groundwater level reading of 17.3 ft bgs (El. 4 ft [NAVD88]). In February 2022, four temporary wells (MW-1 through MW-4) were installed at the Site and subsequently gauged. Groundwater level readings ranged from approximately 11.3 to 17.6 ft bgs (El. 1.1 to 2 ft [NAVD88]).

March 2025, Phase I ESA, prepared by Haley & Aldrich of New York

The Phase I ESA prepared by Haley & Aldrich of New York revealed two Recognized Environmental Conditions (RECs) in connection with the Site associated with the former uses of the Site and documented contamination in soil, groundwater, and soil vapor. The Site was historically used for industrial and manufacturing purposes since the late 1800s. Manufacturing and dry cleaning facilities commonly utilize hazardous materials, including petroleum products and chlorinated solvents. The historical uses of the Site and adjacent properties are considered a REC, as potential or undocumented releases of petroleum products, solvents, and/or other hazardous materials may have adversely

affected groundwater, soil, and/or soil vapor at the Site. A subsurface investigation performed by GEI Consultants from February to June 2020 identified contamination in soil, including SVOCs, metals, and PCBs, at the Site. A RI performed by GEI Consultants in January and February 2022 at the Site identified heavy metals, PFAS, CVOCs, SVOCs, PCBs, and pesticides in soil; heavy metals, PFAS, and CVOCs in groundwater; and VOCs and CVOCs in soil vapor. The presence of fill material was observed in both investigations to depths of 5 to 20 ft bgs. Documented subsurface contamination at the Site is considered a REC. Additionally, the Phase I ESA revealed one Historical Recognized Environmental Condition (HREC) in connection with the Site associated with a listing in the NY Spills database. According to the database, spill number 9602429 occurred on the Site on May 20, 1996, due to a fire at the former Superstud Superior Steel Stud Manufacturing facility. This spill resulted in an unknown quantity of limestone runoff discharged into the East River. This spill is considered an HREC because the case was closed by the New York State Department of Environmental Conservation (NYSDEC) on May 21, 1996.

3. Remedial Investigation

This section describes the field activities to be conducted during the RI and provides the sampling scope, objectives, methods, anticipated number of samples, and sample locations. The following activities will be conducted to fill data gaps and determine the nature and extent of contamination at the Site.

3.1 UTILITY MARKOUT

A geophysical survey will be performed across accessible areas of the Site prior to the commencement of any ground-intrusive activities. The ground-penetrating radar (GPR) scan will potentially identify any underground structures in areas that were previously inaccessible in preparation for the proposed sampling work. It is noted that borings may be adjusted based on the results of the GPR scan, and any adjustments to the locations presented below will be communicated to the NYSDEC. Field personnel will mobilize to the Site to mark out (with flagging or paint) the proposed soil sample locations. Prior to mobilization, 811-Dig Safe New York will be contacted to mark public underground utilities. If necessary, the adjacent property owners and/or private vendors will be contacted for assistance with marking out utilities. Once the utilities are marked, field equipment and personnel will be mobilized to the Site.

3.2 SOIL SAMPLING

To further characterize surface soil conditions, additional on-Site soil samples will be collected to meet NYSDEC Division of Environmental Remediation (DER)-10 requirements for RIs. The sampling and analysis plan is summarized in Table 1. Proposed sample locations are presented on Figure 2.

As part of this RI, a total of 20 soil borings will be installed to 20 ft bgs (or 5 ft into the water table, whichever is deeper, if the soil boring is converted to a monitoring well) by a track-mounted direct-push drill rig (Geoprobe®), or other drilling technology as needed, operated by a licensed operator. Soil samples will be collected from dedicated acetate liners using a stainless-steel trowel or sampling spoon. Samples will be collected using laboratory-provided clean bottle ware. VOC grab samples will be collected using Terra core® or En Core® samplers.

Soils will be logged continuously by a geologist or engineer using a Modified Burmeister Soil Classification System. The presence of staining, odors, and PID readings will be noted. Sampling methods are described in the Field Sampling Plan (FSP) provided as Appendix B. A Quality Assurance Project Plan (QAPP) is provided as Appendix C. Laboratory data will be reported in Analytical Services Protocol (ASP) Category B deliverable format.

Soil samples representative of Site conditions will be collected at 20 locations widely distributed across the Site, as shown in Figure 2. Up to three grab samples will be collected from each boring. One surface sample will be collected from the top 0 to 2 ft immediately beneath the impervious Site cover (i.e., surface soils) at each location. A second sample will be collected at an intermediate depth within the historic fill layer (estimated at 4 to 6 ft bgs, but subject to field observation), and a third sample will be collected from immediately below the proposed development depth of 10 ft bgs, or the two-foot interval above the observed groundwater table, whichever is shallower. The number of samples collected during the RI may vary based on field conditions.

Soil samples will be analyzed for:

- TCL VOCs using United States Environmental Protection Agency (USEPA) Method 8260D;
- TCL SVOCs using USEPA Method 8270E;
- TAL metals (including total and hexavalent chromium and cyanide) using USEPA Method 6020B;
- PCBs using USEPA Method 8082A;
- TCL pesticides using USEPA Method 8081B;
- PFAS by USEPA Method 1633A;
- 1,4-dioxane by USEPA Method 8270E SIM; and
- Total and Toxicity Characteristic Leaching Procedure (TCLP) lead using USEPA method 6010B.

Samples to be analyzed for PFAS will be collected and analyzed in accordance with the NYSDEC-issued April 2023 "Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs." As needed, additional samples may be collected to satisfy waste characterization analytical needs for facilities located in neighboring states.

In addition, delineation soil sampling for elevated lead will be conducted at B-15, B-21, and SB-106, where total lead was greater than 100 parts per million (ppm) during previous sampling events. Soil samples will be collected from the same locations and depths as these select locations and will be analyzed for total and TCLP lead. Soil borings advanced at these locations will be indicated with an "_D" following their original nomenclature, as shown in Figure 2. Additionally, soil boring B-15_D will be advanced to 20 ft bgs and up to three soil samples will be collected according to the intervals and analyses above and listed on Table 1.

3.3 GROUNDWATER SAMPLING

The purpose of the groundwater sampling is to obtain current groundwater data and analyze for additional parameters (i.e., PFAS and 1,4-dioxane) to meet NYSDEC DER-10 requirements for RIs. Groundwater flow is presumed to flow from the south to the north.

Up to 11, 2-inch permanent monitoring wells will be installed to approximately 25 ft bgs or to at least 8 ft below the groundwater interface (if encountered at a shallower depth) by a track-mounted direct-push drill rig (Geoprobe®), or other drilling technology as needed, operated by a licensed operator. Monitoring wells will be screened to straddle the groundwater interface, assumed to be encountered between approximately 11 to 17 ft bgs. Monitoring wells will consist of 10 feet of screen, extending at least 3 feet above the observed groundwater interface for tidal influence and groundwater elevation changes, with the remaining section of the well constructed of solid riser to grade surface. The wells will have a 2-inch annular space and be installed using #2 certified clean sand fill to a depth of 2 ft above the screen. A bentonite seal will be placed above the sand pack for each well, and the remainder of the borehole will be filled with bentonite grout. Each monitoring well will be completed using locking gate boxes, flush with grade. The groundwater interface depth will be evaluated during initial work on the implementation of this RI in order to establish the proper range of well screening in the field. Observations will be communicated with NYSDEC daily in field reports, further detailed in Section 9.

Monitoring wells will be developed after installation by surging a pump in the well several times to pull fine-grained material from the well. Development will be completed until the water turbidity is 50 nephelometric turbidity units (NTU) or less, or 10 well volumes are removed, if possible. Groundwater sampling will occur at a minimum of one week after monitoring well installation and development. The well casings will be surveyed by a New York State-licensed surveyor and gauged during a round of synoptic groundwater depth readings to facilitate the preparation of a groundwater contour map and to determine the direction of groundwater flow.

The sampling and analysis plan is summarized in Table 1. Proposed and previous monitoring well locations (former temporary well points and geotechnical monitoring wells) are provided in Figure 2. Proposed locations will be dependent on field observation and will be communicated with NYSDEC in daily reporting. Any previously installed monitoring wells will not be sampled due to unconfirmed well construction details.

Monitoring wells will be sampled and analyzed for:

- TCL VOCs using USEPA Method 8260D;
- TCL SVOCs using USEPA Method 8270E;
- Total and dissolved metals using USEPA Method 6020B;
- PCBs using USEPA Method 8082A;
- TCL pesticides using USEPA Method 8081B;
- PFAS using USEPA Method 1633A; and
- 1,4-dioxane using USEPA Method 8270E SIM isotope dilution.

Samples to be analyzed for PFAS will be collected and analyzed in accordance with the NYSDEC-issued April 2023 “Sampling, Analysis and Assessment of PFAS.”

Groundwater wells will be sampled using low-flow sampling methods described in the FSP. Following the low-flow purge, samples will be collected from monitoring wells for analysis of the analytes mentioned above. Groundwater sampling will be conducted at least one week after monitoring well development.

The FSP presented in Appendix B details field procedures and protocols that will be followed during field activities. The QAPP presented in Appendix C details the analytical methods and procedures that will be used to analyze samples collected during field activities. PFAS sampling at each monitoring well will be conducted following the purge and sampling method detailed in the NYSDEC guidance documents (see Appendix D).

3.4 INVESTIGATION-DERIVED WASTE

Following sample collection, leftover soil cuttings will be stored in 5-gallon buckets, and any boreholes that are not converted to monitoring wells will be backfilled with soil cuttings to within 24 inches of the surface, in accordance with DER-10 Section 3.3 (e)(1)(ii), and an upper bentonite plug to grade.

Boreholes will be restored to grade with the surrounding area. If soil is observed to have visual or olfactory impacts, it will be separated and placed into a sealed and labeled New York State Department of Transportation (NYSDOT)-approved 55-gallon drum pending characterization and off-Site disposal. Groundwater purged from the monitoring wells during development and sample collection will be placed into a NYSDOT-approved 55-gallon drum pending off-Site disposal.

3.5 SOIL VAPOR SAMPLING

Samples will be collected in accordance with the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH, October 2006). Eleven soil vapor probes will be installed to 1 to 2 ft above the groundwater interface (between 11 to 18 ft bgs). The vapor implants will be installed with a direct-push drilling rig (e.g., Geoprobe®) to advance a stainless-steel probe to the desired sample depth. Sampling will occur for the duration of two hours.

Samples will be collected in appropriately sized Summa® canisters that have been certified clean by the laboratory, and samples will be analyzed using USEPA Method TO-15. Flow rate for both purging and sampling will not exceed 0.2 liters per minute (L/min). The soil vapor sampling and analysis plan is summarized in Table 1. Proposed soil vapor point locations are provided in Figure 2. Sampling methods are described in the FSP provided as Appendix B.

3.6 PROPOSED SAMPLING RATIONALE

Haley & Aldrich of New York has proposed the sample plan described herein and as shown in Figure 2, in consideration of the data generated during the previous investigations conducted at the Site. Previous investigations left data gaps throughout the Site, including a lack of analytical data for potentially high-risk areas that may have been impacted during historical Site operations. To properly characterize the Site and identify potential source areas, all phases of media will be comprehensively investigated as part of this RI, and data gaps will be evaluated.

Sampling locations have been proposed to investigate areas of the Site with identified data gaps. Proposed sampling locations will include groundwater, soil, and soil vapor sampling to address data gaps and confirm if there is an on-Site source of contamination. Results of previous investigations have also been reviewed and taken into account while developing the proposed sampling plan.

The Proposed Sample Location Map (included as Figure 2) is designed to generate sufficient data to identify the source of contamination and classify subsurface conditions throughout the Site as a whole.

4. Green and Sustainable Remediation and Climate Resiliency

The work completed as part of this work plan will comply with all NYSDEC guidance documents, including DER-31: Green Remediation (NYSDEC, 2011). To ensure compliance with DER-31, the work will be completed using the best practices and techniques described below. Specific reporting methods relative to DER-31 are further described below.

4.1 BEST PRACTICES AND TECHNIQUES

DER-31 provides examples of best practices and techniques that could be applied during all phases of remediation (Attachment 1 of the DER-31 policy). In addition, the techniques identified below will be implemented at sites unless a site-specific evaluation demonstrates impracticability or favors an alternative green approach:

Practice/Technique	Potential Benefits[1]	Applicable to this Work Plan
Use renewable energy where possible or purchase Renewable Energy Credits	Reduce/supplement purchased energy use	
Use of remediation technologies with an intermittent energy supply (i.e., energy use during peak energy generation only)	Reduce energy use	X
Incorporate green building design	Reduce future use impacts	
Reuse existing buildings and infrastructure to reduce waste	Reduce waste and material use	
Reuse and recycle construction and demolition debris and other materials (i.e., grind waste wood and other organics for on-Site use)	Reduce waste and material use	
Design cover systems to be usable (i.e., habitat or recreation)	Reduce construction impacts of future development	
Reduce vehicle idling	Reduce air emissions and fuel use	X
Use of Low-Sulfur Diesel Fuel (LSDF) or alternate fuels (i.e., biodiesel or E85) when possible	Reduce air emissions	
Sequence work to minimize double handling of materials	Reduce construction impacts	X
Use energy-efficient systems and office equipment in the job trailer	Reduce energy use	X

[1]*Potential benefits listed are not comprehensive and will vary depending upon the site and implementation of the practice or technique.*

In order to comply with the requirements of DER-31, the following actions will be taken:

1. All vehicles and fuel-consuming equipment on the Site will be shut off if not in use for more than three minutes;
2. Work will be sequenced, to the extent practicable, to allow the direct loading of waste containers for off-Site disposal;
3. Work will be sequenced, to the extent practicable, to limit unnecessary mobilizations to and throughout the Site; and
4. To the extent practicable, energy-efficient systems and office equipment will be utilized.

4.2 REPORTING

All green and sustainable practices and techniques employed will be discussed in the forthcoming RIR.

4.3 CLIMATE RESILIENCY EVALUATION

The Site is not located within a 100-year flood zone. The development plan is still under design but will incorporate consideration for resiliency to climate change, including the design of a cover system that will mimic, rather than alter, the current setting in the vicinity of the Site and will provide pathways for surface runoff and resiliency against future flooding events. A Climate Screening Checklist is provided in Appendix E.

4.4 ENVIRONMENTAL FOOTPRINT ANALYSIS

A preliminary environmental footprint analysis has been performed using Spreadsheets for the Environmental Footprint Analysis (SEFA) for the RI. The RI would potentially export up to approximately 60 tons of non-hazardous waste off the Site to a recycling facility. Additionally, the RI will potentially result in air emissions during drilling and off-Site disposal required. The RI will require the collection, transportation, and analysis of soil, groundwater, and soil vapor samples. Results of the preliminary analysis, available in Appendix F, indicate the majority of greenhouse gas emissions, potentially exceeding 1.25 metric tons, to be the product of consumables and transportation associated with the RI.

5. Quality Assurance and Quality Control

Quality Assurance/Quality Control (QA/QC) procedures will be used to provide performance information with regard to the accuracy, precision, sensitivity, representation, completeness, and comparability associated with the sampling and analysis for this investigation. Field QA/QC procedures will be used (1) to document that samples are representative of actual conditions at the Site and (2) to identify possible cross-contamination from field activities or sample transit. Laboratory QA/QC procedures and analyses will be used to demonstrate whether analytical results have been biased either by interfering compounds in the sample matrix or by laboratory techniques that may have introduced systematic or random errors to the analytical process.

QA/QC procedures are defined in the QAPP included in Appendix C.

6. Data Use

6.1 DATA SUBMITTAL

Analytical data will be supplied in ASP Category B Data Packages. If more stringent than those suggested by the USEPA, the laboratory's in-house QA/QC limits will be utilized. Validated data will be submitted to the NYSDEC EQuIS database in an Electronic Data Deliverable (EDD) package.

6.2 DATA VALIDATION

Data packages will be sent to a qualified data validation specialist to evaluate the accuracy and precision of the analytical results. A Data Usability Summary Report (DUSR) will be created to confirm the compliance of methods with the protocols described in the NYSDEC ASP. DUSRs will summarize and confirm the usability of the data for project-related decisions. Data validation will be completed in accordance with the DUSR guidelines from the NYSDEC DER. DUSRs will be included with the submittal of an RIR, further discussed in Section 9. Additional details on the DUSRs are provided in the QAPP in Appendix C.

7. Project Organization

A project team for the Site has been created based on qualifications and experience with personnel suited for successfully completing the project.

The NYSDEC-designated Case Manager, Rebecca Kerrigan, will be responsible for overseeing the successful completion of the project work and adherence to the work plan on behalf of NYSDEC.

The NYSDOH-designated Case Manager, Jacob Tyler, will be responsible for overseeing the successful completion of the project work and adherence to the work plan on behalf of NYSDOH.

James M. Bellew will be the Principal in Charge for this work. In this role, Mr. Bellew will be 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.

Emily Butler will be the Project Manager and Qualified Environmental Professional (QEP) for this work. In this role, Ms. Butler will manage 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. As the Project Manager, Ms. Butler will also be responsible for communications with the NYSDEC Case Manager regarding project status, schedule, issues, and updates for project work.

Zachary P. Simmel will be the Assistant Project Manager for this work and will also function as the Quality Assurance Officer (QAO). The QAO will ensure the application and effectiveness of the QAPP by the analytical laboratory and the project staff, provide input to the field team as to corrective actions that may be required as a result of the above-mentioned evaluations, and prepare and/or review data validation and audit reports.

Charlotte Lorthioir will be the field geologist responsible for implementing the field effort for this work. Her responsibilities will include implementing the work plan activities and directing the subcontractors to ensure the successful completion of all field activities.

The drilling subcontractor will be Lakewood Environmental Services Corporation (Lakewood). Lakewood will provide a Geoprobe® operator to implement the scope of work in this RIWP.

The geophysical survey contractor will be Nova Geophysical Services, LLC (Nova). In this role, Nova will conduct a geophysical survey throughout all accessible regions of the Site prior to the performance of ground-intrusive work.

The analytical laboratory will be Alpha Analytical (Alpha) of Westborough, Massachusetts, a New York Environmental Laboratory Approval Program (ELAP)-certified laboratory (No. 11148). Alpha will be responsible for analyzing samples as per the analyses and methods identified in Section 3.

8. Health and Safety

8.1 HEALTH AND SAFETY PLAN

A Site-specific Health and Safety Plan (HASP) has been prepared in accordance with NYSDEC and NYSDOH guidelines and is provided as Appendix G of this work plan. The HASP includes a description of health and safety protocols to be followed by Haley & Aldrich of New York field staff during implementation of the remedy, including monitoring within the work area, along with response actions should impacts be observed. The HASP has been developed in accordance with the Occupational Safety and Health Administration (OSHA) 40 Code of Federal Regulations (CFR) Part 1910.120 regulatory requirements for use by Haley & Aldrich of New York field staff who will work at the Site during planned activities. Contractors or other personnel who perform work at the Site are required to develop their own HASP and procedures of comparable or higher content for their respective personnel in accordance with relevant OSHA regulatory requirements for work at hazardous waste sites, as well as the general industry, as applicable, based on the nature of work being performed.

8.2 COMMUNITY AIR MONITORING PLAN

The proposed investigation work will be completed outdoors at the Site. Where intrusive drilling operations are planned, community air monitoring will be implemented to protect downwind receptors. A Haley & Aldrich of New York representative will continually monitor the breathing air in the vicinity of the immediate work area using a PID to measure total VOCs in the air at concentrations as low as 1 ppm. The air in the work zone will also be monitored for visible dust generation.

If VOC measurements above 5 ppm are sustained for 15 minutes or visible dust generation is observed, the intrusive work will be temporarily halted, and a more rigorous monitoring of VOCs and dust using recordable meters will be implemented in accordance with the NYSDOH Generic Community Air Monitoring Plan (CAMP). CAMP data will be provided to NYSDEC in the daily reports, further detailed in Section 9. The NYSDOH CAMP guidance document is included as Appendix H.

8.3 QUALITATIVE HUMAN HEALTH EXPOSURE ASSESSMENT

A comprehensive Qualitative Human Health Exposure Assessment (QHHEA) will be performed following the collection of all RI data. The exposure assessment (EA) will be performed in accordance with Section 3.3(c)4 of DER-10 and the NYSDOH guidance for performing a qualitative EA (DER-10; Appendix 3B). The results of the QHHEA will be provided in the RIR. Based on the requirements stipulated in Section 3.10 and the decision key in Appendix 3C of DER-10, there was no need to prepare a Fish and Wildlife Resource Impact Analysis for the Site. This is due to the fact that the Site is not related to a spill or discharge event (Item 1 of the Decision Key), and while the Site is a point source of contamination to the groundwater with soil contamination confined under historical building foundations (Item 2 of the Decision Key), the Site does not have the potential to migrate to, erode into, or otherwise impact any on-Site or off-Site habitat of endangered, threatened, or special concern species or other fish and wildlife resource (Item 13 of the Decision Key). The land area of the Site provides poor conditions for the wildlife population due to a lack of food sources and cover. Urban-

adapted species such as raccoons and rats use the Site infrequently. Therefore, as per Item 14 of the Decision Key, no Fish and Wildlife Resource Impact Analysis is required at this time.

9. Reporting

Daily reports will be submitted to NYSDEC and NYSDOH summarizing the Site activities completed during the RI. Daily reports will include a Site figure, a description of Site activities, a photo log, and CAMP data. Daily reports will be submitted on the following calendar day after Site work is completed.

Following the completion of the work, a summary of the RI will be provided to NYSDEC in an RIR to support the implementation of the proposed remedial action. The report will include:

- Summary of the RI activities;
- Figure showing sampling locations;
- Tables summarizing laboratory analytical results;
- Laboratory analytical data reports;
- Field sampling data sheets;
- Community air monitoring data;
- Findings regarding the nature and extent of contamination at the Site;
- Qualitative exposure assessment of any contamination from an on-Site source that has migrated off the Site; and
- Conclusions and recommendations.

The RIR may be combined with the Remedial Action Work Plan (RAWP) as an RIR/RAWP. The RIR/RAWP will include all data collected during the RI and adhere to the technical requirements of DER-10.

10. Schedule

The Site owner, as Volunteer, plans to implement this RIWP promptly upon execution of a Brownfield Cleanup Agreement (BCA) and after approval of the RIWP. The below anticipated schedule highlights BCP milestones anticipated for the Site.

Anticipated RI Schedule	
BCP Application, Permitting, RIWP, and 30-Day Public Comment Period (Concurrent with BCP Application)	June 2025 to September 2026
Executed BCA	October 2025
NYSDEC Approval of RIWP	January 2026
RI Implementation	January 2026 to February 2026
RIR and RAWP Submittal and 45-Day Public Comment Period	February 2026 to March 2026
NYSDEC Approval of RIR and RAWP	July 2026

References

1. Astoria Cove Additional Subsurface Sampling, prepared by GEI Consultants, Inc., P.C., June 2020.

2. DER-31/Green Remediation DEC Program Policy, New State Department of Environmental Conservation, January 2011.

3. "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York," New York State Department of Health, October 2006.

4. Geotechnical Report, prepared by GEI Consultants, Inc., P.C., December 2023.

5. "Green Remediation Best Management Practices: Site Investigation and Environmental Monitoring," United States Environmental Protection Agency, September 2016.

6. "Guidelines on Installation of Overburden Wells (Monitoring Wells) for Environmental Investigations," undated.

7. Phase I Environmental Site Assessment, prepared by Haley & Aldrich of New York, March 2025.

8. Program Policy DER-10, "Technical Guidance for Site Investigation and Remediation," New York State Department of Environmental Conservation, May 2010.

9. Remedial Investigation Report, prepared by GEI Consultants, Inc., P.C., April 2022.

TABLE

TABLE 1
SAMPLING AND ANALYSIS PLAN
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK

Boring Number	Sample Depth	Target Compound List VOCs (8260D)	Target Compound List SVOCs (8270E)	Total Analyte List Metals (6020B)	PCBs (8082A)	Pesticides (8081B)	PFAS (1633A)	1,4-Dioxane (8270E SIM)	Dissolved Target Analyte Metals (6020B)	VOCs (TO-15)	Total and TCLP Lead (6010B)
SOIL											
RI-SB-01	0-2'	X	X	X	X	X	X	X		-	-
	Intermediate depth of fill layer	X	X	X	X	X	X	X		-	-
	Development depth or 2 ft interval above water table	X	X	X	X	X	X	X		-	-
RI-SB-02	0-2'	X	X	X	X	X	X	X		-	-
	Intermediate depth of fill layer	X	X	X	X	X	X	X		-	-
	Development depth or 2 ft interval above water table	X	X	X	X	X	X	X		-	-
RI-SB-03	0-2'	X	X	X	X	X	X	X		-	-
	Intermediate depth of fill layer	X	X	X	X	X	X	X		-	-
	Development depth or 2 ft interval above water table	X	X	X	X	X	X	X		-	-
RI-SB-04	0-2'	X	X	X	X	X	X	X		-	-
	Intermediate depth of fill layer	X	X	X	X	X	X	X		-	-
	Development depth or 2 ft interval above water table	X	X	X	X	X	X	X		-	-
RI-SB-05	0-2'	X	X	X	X	X	X	X		-	-
	Intermediate depth of fill layer	X	X	X	X	X	X	X		-	-
	Development depth or 2 ft interval above water table	X	X	X	X	X	X	X		-	-
RI-SB-06	0-2'	X	X	X	X	X	X	X		-	-
	Intermediate depth of fill layer	X	X	X	X	X	X	X		-	-
	Development depth or 2 ft interval above water table	X	X	X	X	X	X	X		-	-
RI-SB-07	0-2'	X	X	X	X	X	X	X		-	-
	Intermediate depth of fill layer	X	X	X	X	X	X	X		-	-
	Development depth or 2 ft interval above water table	X	X	X	X	X	X	X		-	-
RI-SB-08	0-2'	X	X	X	X	X	X	X		-	-
	Intermediate depth of fill layer	X	X	X	X	X	X	X		-	-
	Development depth or 2 ft interval above water table	X	X	X	X	X	X	X		-	-
RI-SB-09	0-2'	X	X	X	X	X	X	X		-	-
	Intermediate depth of fill layer	X	X	X	X	X	X	X		-	-
	Development depth or 2 ft interval above water table	X	X	X	X	X	X	X		-	-
RI-SB-10	0-2'	X	X	X	X	X	X	X		-	-
	Intermediate depth of fill layer	X	X	X	X	X	X	X		-	-
	Development depth or 2 ft interval above water table	X	X	X	X	X	X	X		-	-

TABLE 1
SAMPLING AND ANALYSIS PLAN
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK

Boring Number	Sample Depth	Target Compound List VOCs (8260D)	Target Compound List SVOCs (8270E)	Total Analyte List Metals (6020B)	PCBs (8082A)	Pesticides (8081B)	PFAS (1633A)	1,4-Dioxane (8270E SIM)	Dissolved Target Analyte Metals (6020B)	VOCs (TO-15)	Total and TCLP Lead (6010B)
RI-SB-11	0-2'	X	X	X	X	X	X	X		-	-
	Intermediate depth of fill layer	X	X	X	X	X	X	X		-	-
	Development depth or 2 ft interval above water table	X	X	X	X	X	X	X		-	-
RI-SB-12	0-2'	X	X	X	X	X	X	X		-	-
	Intermediate depth of fill layer	X	X	X	X	X	X	X		-	-
	Development depth or 2 ft interval above water table	X	X	X	X	X	X	X		-	-
RI-SB-13	0-2'	X	X	X	X	X	X	X		-	-
	Intermediate depth of fill layer	X	X	X	X	X	X	X		-	-
	Development depth or 2 ft interval above water table	X	X	X	X	X	X	X		-	-
RI-SB-14	0-2'	X	X	X	X	X	X	X		-	-
	Intermediate depth of fill layer	X	X	X	X	X	X	X		-	-
	Development depth or 2 ft interval above water table	X	X	X	X	X	X	X		-	-
RI-SB-15	0-2'	X	X	X	X	X	X	X		-	-
	Intermediate depth of fill layer	X	X	X	X	X	X	X		-	-
	Development depth or 2 ft interval above water table	X	X	X	X	X	X	X		-	-
RI-SB-16	0-2'	X	X	X	X	X	X	X		-	-
	Intermediate depth of fill layer	X	X	X	X	X	X	X		-	-
	Development depth or 2 ft interval above water table	X	X	X	X	X	X	X		-	-
RI-SB-17	0-2'	X	X	X	X	X	X	X		-	-
	Intermediate depth of fill layer	X	X	X	X	X	X	X		-	-
	Development depth or 2 ft interval above water table	X	X	X	X	X	X	X		-	-
RI-SB-18	0-2'	X	X	X	X	X	X	X		-	-
	Intermediate depth of fill layer	X	X	X	X	X	X	X		-	-
	Development depth or 2 ft interval above water table	X	X	X	X	X	X	X		-	-
RI-SB-19	0-2'	X	X	X	X	X	X	X		-	-
	Intermediate depth of fill layer	X	X	X	X	X	X	X		-	-
	Development depth or 2 ft interval above water table	X	X	X	X	X	X	X		-	-
RI-SB-20	0-2'	X	X	X	X	X	X	X		-	-
	Intermediate depth of fill layer	X	X	X	X	X	X	X		-	-
	Development depth or 2 ft interval above water table	X	X	X	X	X	X	X		-	-
SB-106_D	3-5'	-	-	-	-	-	-	-		-	X
B-15_D	0-2'	X	X	X	X	X	X	X		-	X
	Intermediate depth of fill layer	X	X	X	X	X	X	X			
	Development depth or 2 ft interval above water table	X	X	X	X	X	X	X			
B-21_D	0-2'	-	-	-	-	-	-	-		-	X

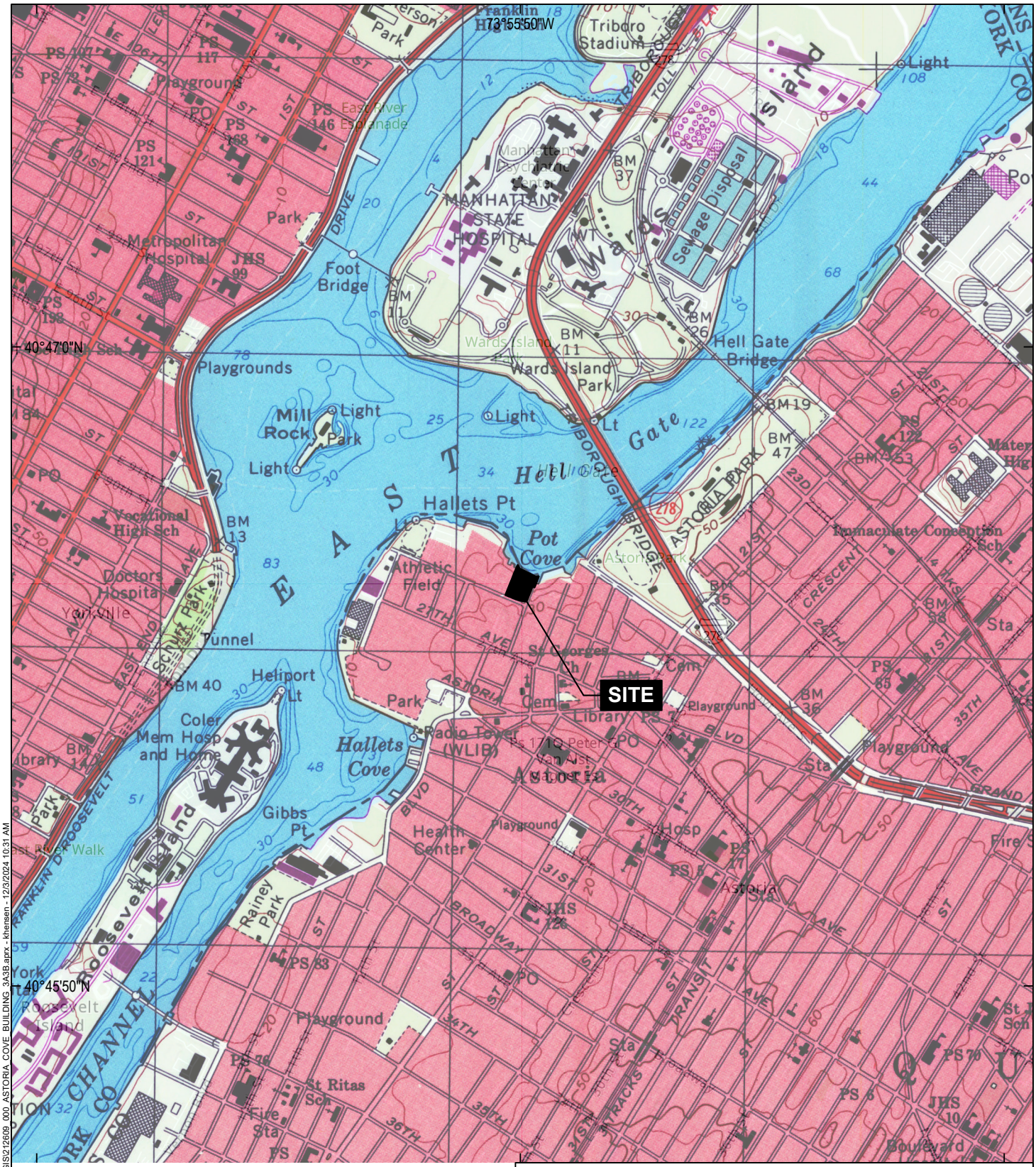
TABLE 1
SAMPLING AND ANALYSIS PLAN
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK

Boring Number	Sample Depth	Target Compound List VOCs (8260D)	Target Compound List SVOCs (8270E)	Total Analyte List Metals (6020B)	PCBs (8082A)	Pesticides (8081B)	PFAS (1633A)	1,4-Dioxane (8270E SIM)	Dissolved Target Analyte Metals (6020B)	VOCs (TO-15)	Total and TCLP Lead (6010B)
GROUNDWATER											
RI-MW-01	-	X	X	X	X	X	X	X	X	-	-
RI-MW-02	-	X	X	X	X	X	X	X	X	-	-
RI-MW-03	-	X	X	X	X	X	X	X	X	-	-
RI-MW-04	-	X	X	X	X	X	X	X	X	-	-
RI-MW-05	-	X	X	X	X	X	X	X	X	-	-
RI-MW-06	-	X	X	X	X	X	X	X	X	-	-
RI-MW-07	-	X	X	X	X	X	X	X	X	-	-
RI-MW-08	-	X	X	X	X	X	X	X	X	-	-
RI-MW-09	-	X	X	X	X	X	X	X	X	-	-
RI-MW-10	-	X	X	X	X	X	X	X	X	-	-
RI-MW-11	-	X	X	X	X	X	X	X	X	-	-
SOIL VAPOR											
RI-SV-01	Development depth or 2 ft interval above water table	-	-	-	-	-	-	-		X	-
RI-SV-02	Development depth or 2 ft interval above water table	-	-	-	-	-	-	-		X	-
RI-SV-03	Development depth or 2 ft interval above water table	-	-	-	-	-	-	-		X	-
RI-SV-04	Development depth or 2 ft interval above water table	-	-	-	-	-	-	-		X	-
RI-SV-05	Development depth or 2 ft interval above water table	-	-	-	-	-	-	-		X	-
RI-SV-06	Development depth or 2 ft interval above water table	-	-	-	-	-	-	-		X	-
RI-SV-07	Development depth or 2 ft interval above water table	-	-	-	-	-	-	-		X	-
RI-SV-08	Development depth or 2 ft interval above water table	-	-	-	-	-	-	-		X	-
RI-SV-09	Development depth or 2 ft interval above water table	-	-	-	-	-	-	-		X	-
RI-SV-10	Development depth or 2 ft interval above water table	-	-	-	-	-	-	-		X	-
RI-SV-11	Development depth or 2 ft interval above water table	-	-	-	-	-	-	-		X	-

Notes:
VOCs - Volatile Organic Compounds
SVOCs - Semi-volatile Organic Compounds
PCBs - Polychlorinated Biphenyls
PFAS - Per- and Polyfluoroalkyl Substances
X = Run for analysis
Groundwater to be sampled for total and dissolved metals

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
"-" = Not applicable

FIGURES



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HALEY ALDRICH

8-01 AND 8-51 26TH AVENUE
QUEENS, NEW YORK

PROJECT LOCUS

MAP SOURCE: USGS
SITE COORDINATES: 40°46'34"N, 73°55'50"W

APPROXIMATE SCALE: 1 IN = 2000 FT
DECEMBER 2024

FIGURE 1

Coal Pockets & Steel Assembly Building

Potential limestone runoff

RI-SB-12
RI-SV-01
RI-SB-01/RI-MW-01
RI-SB-13
RI-SV-02
RI-SB-02/RI-MW-02
RI-SB-15
RI-SB-03/RI-MW-03
RI-SV-03
BLOCK: 906
LOT: 5
RI-SB-14
RI-SV-04
RI-SB-04/RI-MW-04
RI-SV-05
RI-SB-05/RI-MW-05
RI-SB-16
RI-SV-06
RI-SB-06/RI-MW-06
RI-SB-17
RI-SB-07/RI-MW-07/SB-106_D
RI-SV-07
RI-SB-19
RI-SV-08
RI-SB-08/RI-MW-08
RI-SB-18
RI-SV-09
RI-SB-09/RI-MW-09
B-21_D
BLOCK: 906
LOT: 1
B-15_D
RI-SV-10
RI-SB-10/RI-MW-10
RI-SV-11
RI-SB-11/RI-MW-11
RI-SB-20

26TH AVE

9TH ST

ASTORIA GREENWAY

EAST RIVER

Steel Grinding and heat treatment buildings

LEGEND

- PROPOSED SOIL BORING
- PROPOSED SOIL BORING/MONITORING WELL
- PROPOSED SOIL VAPOR SAMPLE
- PROPOSED BUILDING FOOTPRINT
- SITE BOUNDARY
- PARCEL BOUNDARY
- AREAS OF CONCERN

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: NEW YORK CITY DEPARTMENT OF CITY PLANNING (DCP)
3. AERIAL IMAGERY SOURCE: NEARMAP, 18 JUNE 2024

N

0 40 80
SCALE IN FEET

HALEY ALDRICH

8-01 AND 8-51 26TH AVENUE
QUEENS, NEW YORK

PROPOSED SAMPLE LOCATION MAP

DECEMBER 2025

FIGURE 2

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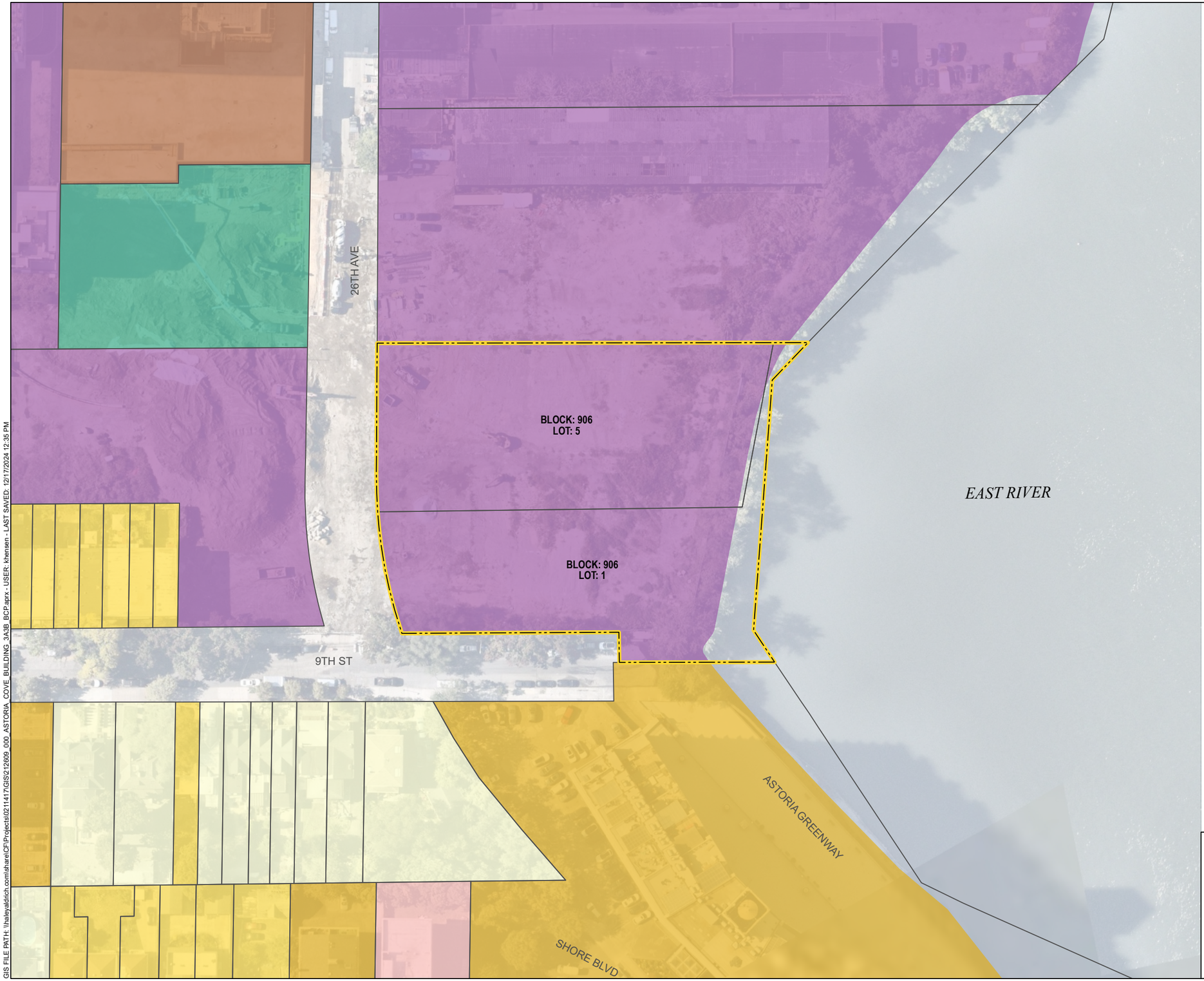


LEGEND

LAND USE CATEGORY

- ONE AND TWO FAMILY BUILDINGS
- MULTI-FAMILY WALK-UP BUILDINGS
- MULTI-FAMILY ELEVATOR BUILDINGS
- MIXED RESIDENTIAL AND COMMERCIAL BUILDINGS
- INDUSTRIAL AND MANUFACTURING BUILDINGS
- VACANT LAND
- NOT CATEGORIZED
- SITE BOUNDARY
- TAX LOT BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING, INFORMATION TECHNOLOGY DIVISION
3. LAND USE DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING
3. AERIAL IMAGERY SOURCE: NEARMAP, 11 OCTOBER 2024

0 80 160
SCALE IN FEET

HALEY ALDRICH

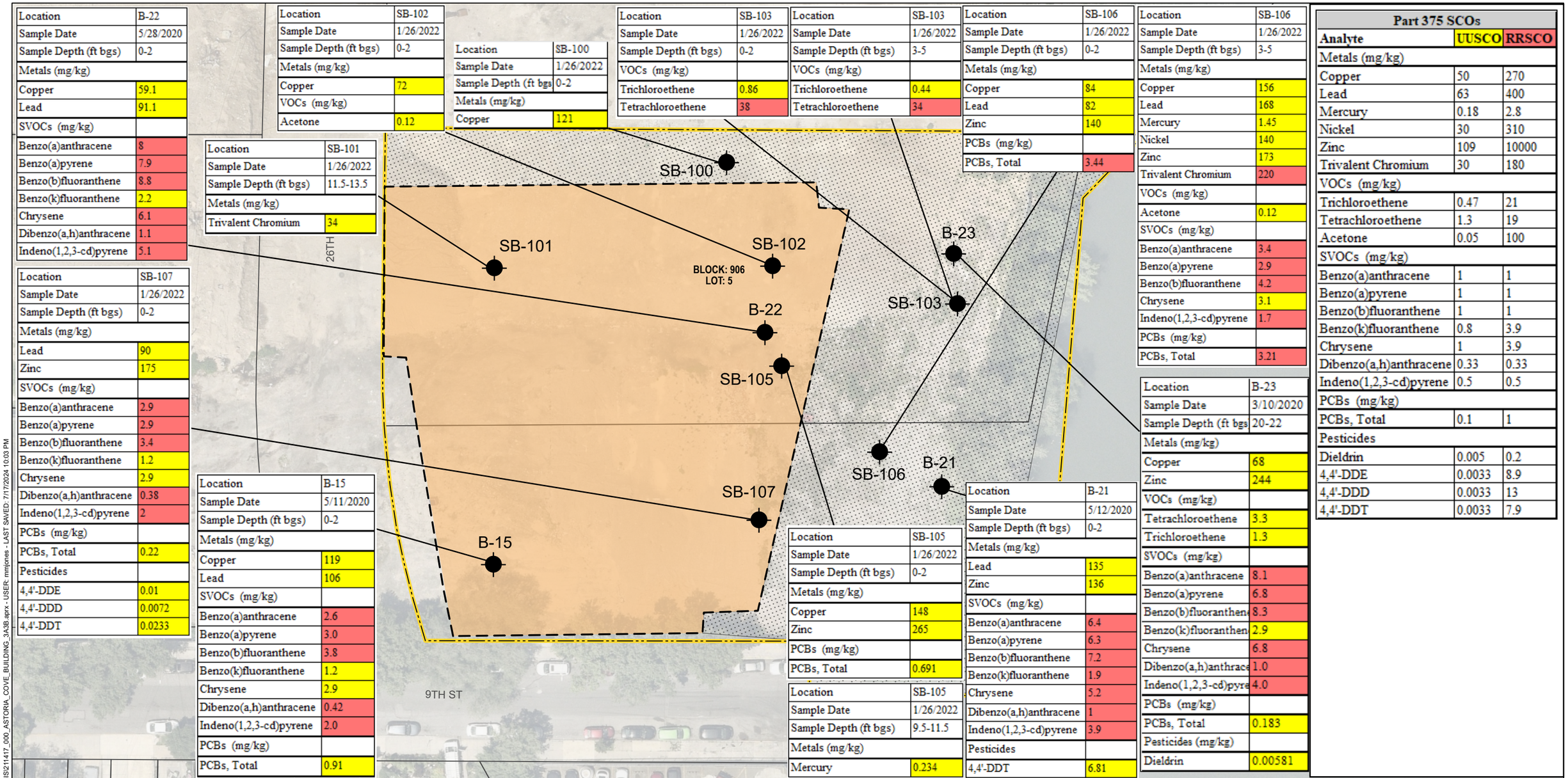
8-01 AND 8-51 26TH AVENUE
QUEENS, NEW YORK

SURROUNDING LAND USE

DECEMBER 2024

FIGURE 3

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\0211417\GIS\212609_000_ASTORIA_COVE_BUILDING_3A3B_BCP.aprx - USER: khensen - LAST SAVED: 12/17/2024 12:35 PM



Location	B-22
Sample Date	5/28/2020
Sample Depth (ft bgs)	0-2
Metals (mg/kg)	
Copper	59.1
Lead	91.1
SVOCs (mg/kg)	
Benzo(a)anthracene	8
Benzo(a)pyrene	7.9
Benzo(b)fluoranthene	8.8
Benzo(k)fluoranthene	2.2
Chrysene	6.1
Dibenzo(a,h)anthracene	1.1
Indeno(1,2,3-cd)pyrene	5.1

Location	SB-102
Sample Date	1/26/2022
Sample Depth (ft bgs)	0-2
Metals (mg/kg)	
Copper	72
VOCs (mg/kg)	
Acetone	0.12

Location	SB-100
Sample Date	1/26/2022
Sample Depth (ft bgs	0-2
Metals (mg/kg)	
Copper	121

Location	SB-103
Sample Date	1/26/2022
Sample Depth (ft bgs)	0-2
VOCs (mg/kg)	
Trichloroethene	0.86
Tetrachloroethene	38

Location	SB-103
Sample Date	1/26/2022
Sample Depth (ft bgs)	3-5
VOCs (mg/kg)	
Trichloroethene	0.44
Tetrachloroethene	34

Location	SB-106
Sample Date	1/26/2022
Sample Depth (ft bgs)	0-2
Metals (mg/kg)	
Copper	84
Lead	82
Zinc	140
PCBs (mg/kg)	
PCBs, Total	3.44

Location	SB-106
Sample Date	1/26/2022
Sample Depth (ft bgs)	3-5
Metals (mg/kg)	
Copper	156
Lead	168
Mercury	1.45
Nickel	140
Zinc	173
Trivalent Chromium	220
VOCs (mg/kg)	
Acetone	0.12
SVOCs (mg/kg)	
Benzo(a)anthracene	3.4
Benzo(a)pyrene	2.9
Benzo(b)fluoranthene	4.2
Chrysene	3.1
Indeno(1,2,3-cd)pyrene	1.7
PCBs (mg/kg)	
PCBs, Total	3.21

Location	SB-101
Sample Date	1/26/2022
Sample Depth (ft bgs)	11.5-13.5
Metals (mg/kg)	
Trivalent Chromium	34

Location	SB-107
Sample Date	1/26/2022
Sample Depth (ft bgs)	0-2
Metals (mg/kg)	
Lead	90
Zinc	175
SVOCs (mg/kg)	
Benzo(a)anthracene	2.9
Benzo(a)pyrene	2.9
Benzo(b)fluoranthene	3.4
Benzo(k)fluoranthene	1.2
Chrysene	2.9
Dibenzo(a,h)anthracene	0.38
Indeno(1,2,3-cd)pyrene	2
PCBs (mg/kg)	
PCBs, Total	0.22
Pesticides	
4,4'-DDE	0.01
4,4'-DDD	0.0072
4,4'-DDT	0.0233

Location	B-23
Sample Date	3/10/2020
Sample Depth (ft bgs	20-22
Metals (mg/kg)	
Copper	68
Zinc	244
VOCs (mg/kg)	
Tetrachloroethene	3.3
Trichloroethene	1.3
SVOCs (mg/kg)	
Benzo(a)anthracene	8.1
Benzo(a)pyrene	6.8
Benzo(b)fluoranthene	8.3
Benzo(k)fluoranthene	2.9
Chrysene	6.8
Dibenzo(a,h)anthracene	1.0
Indeno(1,2,3-cd)pyrene	4.0
PCBs (mg/kg)	
PCBs, Total	0.183
Pesticides (mg/kg)	
Dieldrin	0.00581

Location	B-15
Sample Date	5/11/2020
Sample Depth (ft bgs)	0-2
Metals (mg/kg)	
Copper	119
Lead	106
SVOCs (mg/kg)	
Benzo(a)anthracene	2.6
Benzo(a)pyrene	3.0
Benzo(b)fluoranthene	3.8
Benzo(k)fluoranthene	1.2
Chrysene	2.9
Dibenzo(a,h)anthracene	0.42
Indeno(1,2,3-cd)pyrene	2.0
PCBs (mg/kg)	
PCBs, Total	0.91

Location	SB-105
Sample Date	1/26/2022
Sample Depth (ft bgs)	0-2
Metals (mg/kg)	
Copper	148
Zinc	265
PCBs (mg/kg)	
PCBs, Total	0.691

Location	SB-105
Sample Date	1/26/2022
Sample Depth (ft bgs)	9.5-11.5
Metals (mg/kg)	
Mercury	0.234

Location	B-21
Sample Date	5/12/2020
Sample Depth (ft bgs)	0-2
Metals (mg/kg)	
Lead	135
Zinc	136
SVOCs (mg/kg)	
Benzo(a)anthracene	6.4
Benzo(a)pyrene	6.3
Benzo(b)fluoranthene	7.2
Benzo(k)fluoranthene	1.9
Chrysene	5.2
Dibenzo(a,h)anthracene	1
Indeno(1,2,3-cd)pyrene	3.9
Pesticides	
4,4'-DDT	6.81

Part 375 SCOs		
Analyte	**UUSCO**	**RRSCO**
Metals (mg/kg)		
Copper	50	270
Lead	63	400
Mercury	0.18	2.8
Nickel	30	310
Zinc	109	10000
Trivalent Chromium	30	180
VOCs (mg/kg)		
Trichloroethene	0.47	21
Tetrachloroethene	1.3	19
Acetone	0.05	100
SVOCs (mg/kg)		
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(k)fluoranthene	0.8	3.9
Chrysene	1	3.9
Dibenzo(a,h)anthracene	0.33	0.33
Indeno(1,2,3-cd)pyrene	0.5	0.5
PCBs (mg/kg)		
PCBs, Total	0.1	1
Pesticides		
Dieldrin	0.005	0.2
4,4'-DDE	0.0033	8.9
4,4'-DDD	0.0033	13
4,4'-DDT	0.0033	7.9

LEGEND

- PROPOSED BUILDING FOOTPRINT
- EXCAVATION DEPTHS IN FEET BELOW GRADE
- LIMITED TO GRADING AS NEEDED
- 4.5 TO 12.5 FEET
- SITE BOUNDARY
- PARCEL BOUNDARY
- SOIL SAMPLE

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: NEW YORK CITY DEPARTMENT OF CITY PLANNING (DCP)
3. AERIAL IMAGERY SOURCE: NEARMAP, 18 JUNE 2024

0 45 90
SCALE IN FEET

HALEY ALDRICH

8-01 AND 8-51 26TH AVENUE
ASTORIA, NEW YORK

SOIL EXCEEDANCE MAP

JANUARY 2025

FIGURE 4

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Location	MW-1
Sample Date	2/1/2022
SVOCs (µg/L)	
Benzo(b)fluoranthene	0.01
Metals (µg/L)	
Magnesium (Dissolved)	36,300
Sodium (Dissolved)	80,500
Iron, Total	4,700
Magnesium, Total	38,800
Sodium, Total	77,800

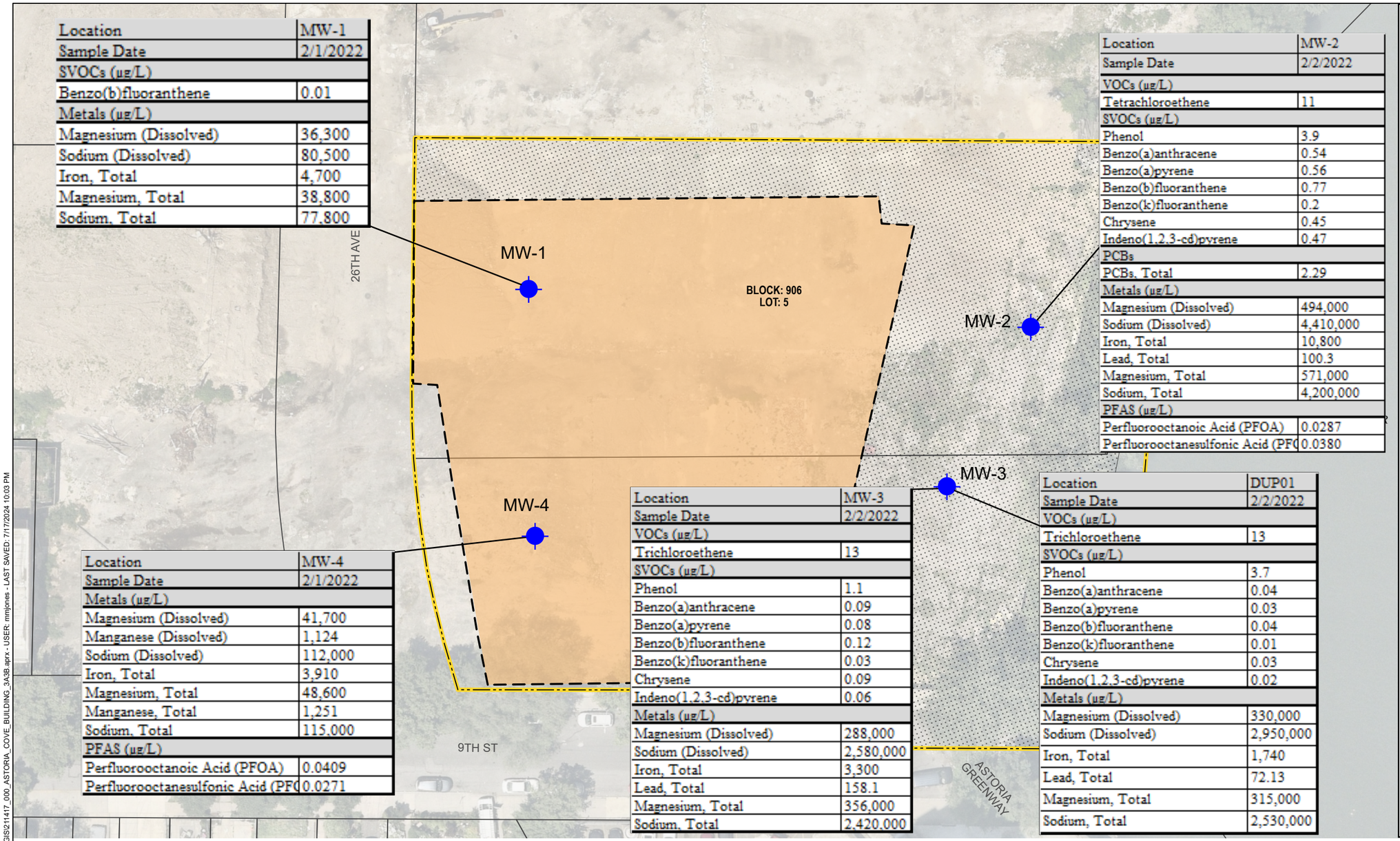
Location	MW-2
Sample Date	2/2/2022
VOCs (µg/L)	
Tetrachloroethene	11
SVOCs (µg/L)	
Phenol	3.9
Benzo(a)anthracene	0.54
Benzo(a)pyrene	0.56
Benzo(b)fluoranthene	0.77
Benzo(k)fluoranthene	0.2
Chrysene	0.45
Indeno(1,2,3-cd)pyrene	0.47
PCBs	
PCBs, Total	2.29
Metals (µg/L)	
Magnesium (Dissolved)	494,000
Sodium (Dissolved)	4,410,000
Iron, Total	10,800
Lead, Total	100.3
Magnesium, Total	571,000
Sodium, Total	4,200,000
PFAS (µg/L)	
Perfluorooctanoic Acid (PFOA)	0.0287
Perfluorooctanesulfonic Acid (PFO	0.0380

Location	MW-4
Sample Date	2/1/2022
Metals (µg/L)	
Magnesium (Dissolved)	41,700
Manganese (Dissolved)	1,124
Sodium (Dissolved)	112,000
Iron, Total	3,910
Magnesium, Total	48,600
Manganese, Total	1,251
Sodium, Total	115,000
PFAS (µg/L)	
Perfluorooctanoic Acid (PFOA)	0.0409
Perfluorooctanesulfonic Acid (PFO	0.0271

Location	MW-3
Sample Date	2/2/2022
VOCs (µg/L)	
Trichloroethene	13
SVOCs (µg/L)	
Phenol	1.1
Benzo(a)anthracene	0.09
Benzo(a)pyrene	0.08
Benzo(b)fluoranthene	0.12
Benzo(k)fluoranthene	0.03
Chrysene	0.09
Indeno(1,2,3-cd)pyrene	0.06
Metals (µg/L)	
Magnesium (Dissolved)	288,000
Sodium (Dissolved)	2,580,000
Iron, Total	3,300
Lead, Total	158.1
Magnesium, Total	356,000
Sodium, Total	2,420,000

Location	DUP01
Sample Date	2/2/2022
VOCs (µg/L)	
Trichloroethene	13
SVOCs (µg/L)	
Phenol	3.7
Benzo(a)anthracene	0.04
Benzo(a)pyrene	0.03
Benzo(b)fluoranthene	0.04
Benzo(k)fluoranthene	0.01
Chrysene	0.03
Indeno(1,2,3-cd)pyrene	0.02
Metals (µg/L)	
Magnesium (Dissolved)	330,000
Sodium (Dissolved)	2,950,000
Iron, Total	1,740
Lead, Total	72.13
Magnesium, Total	315,000
Sodium, Total	2,530,000

Analyte	AWQS
VOCs (µg/L)	
Tetrachloroethene	5
Trichloroethene	5
SVOCs (µg/L)	
Phenol	1
Benzo(a)Anthracene	0.002
Benzo(a)Pyrene	0.00
Benzo(b)Fluoranthene	0.002
Benzo(k)Fluoranthene	0.002
Chrysene	0.002
Indeno(1,2,3-c,d)Pyrene	0.002
Polychlorinated Biphenyls (µg/L)	
Total PCBs	0.09
Metals (µg/L)	
Iron	300
Lead	25
Magnesium	35000
Manganese	300
Sodium	20000
PFAS (µg/L)	**NYSDEC GVs**
Perfluorooctanoic Acid (PFOA)	0.01
Perfluorooctanesulfonic Acid (PFO	0.01



LEGEND

- PROPOSED BUILDING FOOTPRINT
- EXCAVATION DEPTHS IN FEET BELOW GRADE
- LIMITED TO GRADING AS NEEDED
- 4.5 TO 12.5 FEET
- SITE BOUNDARY
- PARCEL BOUNDARY
- GROUND WATER SAMPLE

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: NEW YORK CITY DEPARTMENT OF CITY PLANNING (DCP)
3. AERIAL IMAGERY SOURCE: NEARMAP, 18 JUNE 2024

0 45 90
SCALE IN FEET

HALEY ALDRICH

8-01 AND 8-51 26TH AVENUE
ASTORIA, NEW YORK

GROUNDWATER EXCEEDANCE MAP

JANUARY 2025

FIGURE 5

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\0211417\GIS\211417_000_ASTORIA_COVE_BUILDING_3A3B.aprx - USER: mmjones - LAST SAVED: 7/17/2024 10:03 PM

Location	SV-2
Sample Date	2/02/2022
VOCs µg/m³	
n-Hexane	1.46
1,1,1-Trichloroethane	7.15
Benzene	1.36
Cyclohexane	0.76
2,2,4-Trimethylpentane	1.03
Heptane	0.979
Toluene	2.69

Location	SV-3
Sample Date	2/02/2022
VOCs µg/m³	
1,1-Dichloroethene	32.9
n-Hexane	2.07
1,1,1-Trichloroethane	606.00
Benzene	1.19
Cyclohexane	0.781
Heptane	3.38
Toluene	8.86

Location	SV-4
Sample Date	2/02/2022
VOCs µg/m³	
Benzene	0.799
Methylene Chloride	2.480
Toluene	1.65

Location	SV-5
Sample Date	2/02/2022
VOCs µg/m³	
cis-1,2-Dichloroethene	16.9
n-Hexane	10.8
1,1,1-Trichloroethane	316
Benzene	5.62
Cyclohexane	5.20
Trichloroethene	23.2
Toluene	6.52

Location	SV-6
Sample Date	2/02/2022
VOCs µg/m³	
n-Hexane	2.48

SV-2
SV-3
SV-4
SV-5
SV-6
BLOCK: 906
LOT: 5
BLOCK: 906
LOT: 1
9TH ST
ASTORIA GREENWAY

LEGEND

- PROPOSED BUILDING FOOTPRINT
- EXCAVATION DEPTHS IN FEET BELOW GRADE
- LIMITED TO GRADING AS NEEDED
- 4.5 TO 12.5 FEET
- SITE BOUNDARY
- PARCEL BOUNDARY
- SOIL VAPOR SAMPLE

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: NEW YORK CITY DEPARTMENT OF CITY PLANNING (DCP)
3. AERIAL IMAGERY SOURCE: NEARMAP, 18 JUNE 2024

0 45 90
SCALE IN FEET

HALEY ALDRICH

8-01 AND 8-51 26TH AVENUE
ASTORIA, NEW YORK

SOIL VAPOR CHEMISTRY MAP

JANUARY 2025

FIGURE 6

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\0211417\GIS\211417_000_ASTORIA_COVE_BUILDING_3A3B.aprx - USER: mmjones - LAST SAVED: 7/17/2024 10:03 PM

APPENDIX A
Previous Reports (Provided as Separate Files)

APPENDIX B
Field Sampling Plan

HALEY ALDRICH

www.haleyaldrich.com

FIELD SAMPLING PLAN
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
8-01 AND 8-51 26TH AVENUE
QUEENS, NEW YORK

by
H & A of New York Engineering and Geology, LLP
New York, New York

for
KS Astoria LLC
Newark, New Jersey

File No. 0211417-001
December 2025

Table of Contents

Page

List of Appendices iii

1. Introduction 1

2. Field Program 2

3. Utility Clearance 3

4. Field Data Recording 6

4.1 WRITTEN FIELD DATA 6
4.2 ELECTRONIC DATA 7

5. Aquifer Characterization 9

5.1 PROCEDURE 9

6. Sample Collection for Laboratory Analysis 10

6.1 SOIL SAMPLE COLLECTION FOR LABORATORY ANALYSIS 10
6.1.1 Preparatory Requirements 10
6.1.2 Soil Classification 10
6.1.3 Soil Sampling 11
6.1.4 Sampling Techniques 12
6.2 GROUNDWATER SAMPLE COLLECTION FOR LABORATORY ANALYSIS 12
6.2.1 Preparatory Requirements 13
6.2.2 Well Development 13
6.2.3 Well Purging and Stabilization Monitoring (Low-Stress/Low-Flow Method) 14
6.2.4 Sampling Techniques 15
6.3 SUB-SLAB/SOIL VAPOR SAMPLING 17
6.3.1 Preparatory Requirements 17
6.3.2 Sampling Techniques 17
6.4 SAMPLE HANDLING AND SHIPPING 18
6.4.1 Sample Handling 18
6.4.2 Sample Labeling 18
6.4.3 Field Code 19
6.4.4 Packaging 19
6.4.5 Chain-of-Custody Records 20
6.4.6 Shipment 21

7. Field Instruments – Use and Calibration 22

7.1 GENERAL PROCEDURE DISCUSSION 22
7.2 DECONTAMINATION OF MONITORING EQUIPMENT 23

Table of Contents

		Page
7.3	DISPOSAL OF WASH SOLUTIONS AND CONTAMINATED EQUIPMENT	23
8.	**Investigation-Derived Waste Disposal**	**24**
8.1	RATIONALE/ASSUMPTIONS	24
8.2	PROCEDURE	24
References		**25**

List of Appendices

Appendix	Title
A	Field Forms

1. Introduction

This Field Sampling Plan (FSP) has been prepared as a component of the Remedial Investigation Work Plan (RIWP) for the Former Tilsdale Lumber and Coal Redevelopment Site located at 8-01 and 8-51 26th Avenue, Queens, New York (the "Site"). This document was prepared to establish field procedures for field data collection to be performed in support of the RIWP for the Site.

The RIWP includes this FSP, a Quality Assurance Project Plan (QAPP), a Health and Safety Plan (HASP), and a Community Air Monitoring Plan (CAMP), which are included as part of this plan by reference.

The standard operating procedures (SOPs) included as components of this plan will provide the procedures necessary to meet the project objectives. The SOPs will be used as reference for the methods to be employed for field sample collection and handling and the management of field data collected in the execution of the approved RIWP. The SOPs include numerous methods to execute the tasks of the RIWP. The Project Manager will select the appropriate method as required by field conditions and/or the objective of the respective project task at the time of sample collection. Field procedures will be conducted in general accordance with the New York State Department of Conservation (NYSDEC) Technical Guidance for Site Investigation and Remediation (Division of Environmental Remediation [DER]-10) and the Sampling, Analysis and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) under NYSDEC Part 375 Remedial Program when applicable.

2. Field Program

This FSP provides the general purpose of sampling as well as procedural information. The RIWP contains the details on sampling and analysis (locations, depths, frequency, analyte lists, etc.).

The field program has been designed to acquire the necessary data to comply with the RIWP, and includes the following tasks:

- Soil sampling;
- Groundwater sampling;
- Soil vapor sampling; and
- Sampling of investigation-derived waste (IDW) as needed for disposal.

Previous investigations conducted at the Site identified the presence of contaminated soil/fill with exceedances of heavy metals, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), chlorinated volatile organic compounds (CVOCs), specifically tetrachloroethene (PCE), pesticides, and polychlorinated biphenyls (PCBs). Emerging contaminants (PFOA, PFOS, PFUnA) were identified in soil at the Site. Previous investigations conducted at the Site identified the presence of contaminated groundwater with exceedances of VOCs, SVOCs, PCBs, and dissolved metals. Emerging contaminants (PFBA, PFPeA, PFBS, PFHxA, PFHpA, PFHxS, PFOA, PFHpS, PFNA, PFOS, PFTA, and 1,4-dioxane) were identified in groundwater at the Site. VOCs, CVOCs, and acetone were identified in sub-slab vapor at the Site.

Previous investigations did not comprehensively delineate the extent of soil, groundwater, and soil vapor contamination at the Site. A Remedial Investigation (RI) will be performed upon acceptance of the Site into the Brownfield Cleanup Program (BCP) and approval of the RIWP, which will include additional targeted soil, groundwater, and soil vapor sampling. Results of the additional sample analyses will be used to confirm the results of the previous Site characterization activities, potentially identify an on-site source, and determine a course for remedial action.

The SOPs presented herein may be changed as required, dependent on Site conditions or equipment limitations at the time of sample collection. If the procedures employed differ from the SOP, the deviations will be documented in the associated sampling report.

3. Utility Clearance

Invasive remedial activities, such as excavation or remedial construction activities, require the location of underground utilities prior to initiating work. Such clearance is sound practice in that it minimizes the potential for damage to underground facilities and, more importantly, is protective of the health and safety of personnel. Under no circumstances will invasive activities be allowed to proceed without obtaining proper utility clearance by the appropriate public agencies and/or private entities. This clearance requirement applies to all work on both public and private properties, whether located in a dense urban area or a seemingly out-of-the-way rural location.

The drilling contractor performing the work will be responsible for obtaining utility clearance.

Utility clearance is required by law, and obtaining clearance includes contacting a public or private central clearance agency via a "one-call" telephone service and providing the proposed exploration location information. It is important to note that public utility agencies may not, and usually do not, have information regarding utility locations on private property.

Before beginning subsurface work at any proposed exploration locations, it is critical that all readily available information on underground utilities and structures be obtained. This includes publicly available information as well as information in the possession of private landowners. Any drawings obtained must be reviewed in detail for information pertaining to underground utilities.

Using the information obtained, the Site should be viewed in detail for physical evidence of buried lines or structures, including pavement cuts and patches, variation in or lack of vegetation, variations in grading, etc. Care must also be taken to avoid overhead utilities as well. Presence of surface elements of buried utilities should be documented, such as manholes, gas or water service valves, catch basins, monuments, or other evidence.

Overhead utility lines must be considered when choosing exploration and excavation locations. Most states require a minimum of 10 feet (ft) of clearance between equipment and energized wires. Such separation requirements may also be voltage-based and may vary depending on state or municipality regulations. In evaluating clearance from overhead lines, the same restrictions may apply to "drops," or wires on a utility pole connecting overhead and underground lines.

Using the information obtained and observations made, proposed exploration or construction locations should be marked in the field. Marking locations can be accomplished using spray paint on the ground, stakes, or other means. All markings of proposed locations should be made in white, in accordance with the generally accepted universal color code for facilities identification (American Public Works Association [APWA] 4/99):

- White: Proposed Excavation or Drilling Location
- Pink: Temporary Survey Markings
- Red: Electrical Power Lines, Cables, Conduit, and Lighting Cables
- Yellow: Gas, Oil, Steam, Petroleum, or Gaseous Materials
- Orange: Communication, Alarm or Signal Lines, Cables or Conduits
- Blue: Potable Water

- Purple: Reclaimed Water, Irrigation and Slurry Lines
- Green: Sewers and Drain Lines

To effectively evaluate the proposed locations with these entities, detailed, accurate measurements between the proposed locations and existing surface features should be obtained. Such features can be buildings, street intersections, utility poles, guardrails, etc.

Obtaining utility clearance generally involves the designated "one-call" underground facilities protection organization for the area and the landowner, and one or both of the following:

- A third-party utility locator company will be utilized to locate underground utilities outside of the public right-of-way; and/or
- "Soft dig" excavation techniques to confirm or deny the presence of underground utilities in the area.

The proposed locations should be evaluated in light of the information available for existing underground facilities. The detailed measurement information described above will be required by the "one-call" agency. The owners of the applicable, participating underground utilities are obligated to mark their respective facilities at the Site in the colors described above. Utility stake-out activities will typically not commence for approximately 72 hours after the initial request is made.

The public and private utility entities generally only mark the locations of their respective underground facilities within public rights-of-way. Determination of the locations of these facilities on private property will be the responsibility of the property owner or Contractor. If available information does not contain sufficient detail to locate underground facilities with a reasonable amount of confidence, alternate measures may be appropriate, as described below. In some cases, the memory of a long-time employee of a facility on private property may be the best or only source of information. It is incumbent on the Consultant or Contractor to exercise caution and use good judgement when faced with uncertainty.

Note: It is important to note that not all utilities are participants in the "one-call" agency or process. As such, inquiries must be made with the "one-call" agency to determine which entities do not participate, so they can be contacted independently.

Most utility stakeouts have a limited time period for which they remain valid, typically two to three weeks. It is critical that this time period be considered to prevent expiration of clearance prior to completion of the invasive activities and the need to repeat the stake-out process.

Care must be exercised to document receipt of notice from the involved agencies of the presence or absence of utilities in the vicinity of the proposed locations.

Most agencies will generally provide a telephone or fax communication indicating the lack of facilities in the project area. If contact is not made by all of the agencies identified by the "one-call" process, do not assume that such utilities are not present. Re-contact the "one-call" agency to determine the status.

For complicated sites with multiple proposed locations and multiple utilities, it is advisable to arrange an on-site meeting with utility representatives. This will minimize the potential for miscommunication amongst the involved parties.

Completion of the utility stake out process is not a guarantee that underground facilities will not be encountered in excavations or boreholes; in fact, most “one-call” agencies and individual utilities do not offer guarantees, nor do they accept liability for damage that might occur. In areas outside the public right-of-way, a utility locating service may be utilized to locate underground utilities. It is advisable that any invasive activities proceed with extreme caution in the upper 4 to 5 ft in the event the clearance has failed to identify an existing facility. This may necessitate hand-excavation or probing to confirm the potential presence of shallow utilities. If uncertainty exists for any given utility, extra activities can be initiated to solve utility clearance concerns. These options include:

- Screening the proposed work areas with utility locating devices, and/or hiring a utility locating service to perform this task.
- Hand digging, augering, or probing to expose or reveal shallow utilities and confirm presence and location. In northern climates, this may require advancing to below the frost line, typically at least 4 ft.
- Using “soft dig” techniques that utilize specialized tools and compressed air to excavate soils and locate utilities. This technique is effective in locating utilities to a depth of 4 to 5 ft.

Equipment/Materials:

- White Spray paint
- Wooden stakes, painted white or containing white flagging
- Color-code key
- Available drawings

4. Field Data Recording

This procedure describes the protocol for documenting the investigation activities in the field. Field data serves as the cornerstone for an environmental project, not only for site characterization but for additional phases of investigation or remedial design. Producing defensible data includes proper and appropriate recording of field data as it is obtained in a manner to preserve the information for future use. This procedure provides guidelines for accurate, thorough collection and preservation of written and electronic field data.

Field data to be recorded during the project generally includes, but is not limited to, the following:

- general field observations;
- numeric field measurements and instrument readings;
- quantity estimates;
- sample locations and corresponding sample numbers;
- relevant comments and details pertaining to the samples collected;
- documentation of activities, procedures, and progress achieved;
- contractor pay item quantities;
- weather conditions;
- a listing of personnel involved in Site-related activities;
- a log of conversations, Site meetings, and other communications; and,
- field decisions and pertinent information associated with the decisions.

4.1 WRITTEN FIELD DATA

Written field data will be collected using a standardized, pre-printed field log form. In general, the use of a field log form is preferable as it prompts field personnel to make appropriate observations and record data in a standardized format. This promotes completeness and consistency from one person to the next. Otherwise, electronic data collection using a handheld device produces equal completeness and consistency using a preformatted log form.

In the absence of an appropriate pre-printed form, the data should be recorded in an organized and structured manner in a dedicated project field log book. Log books must be hardcover, bound so that pages cannot be added or removed, and should be made from high-grade 50 percent rag paper with a water-resistant surface.

The following are guidelines for use of field log forms and log books:

1. Information must be factual and complete.
2. All entries will be made in black indelible ink with a ballpoint pen and will be written legibly. Do not use “rollerball” or felt tip-style pens, since the water-soluble ink can run or smear in the presence of moisture.
3. Field log forms should be consecutively numbered.

4. Each day's work must start on a new form/page.
5. At the end of each day, the current log book page or forms must be signed and dated by the field personnel making the entries.
6. Make data entries immediately upon obtaining the data. Do not make temporary notes in other locations for later transfer; this only increases the potential for error or loss of data.
7. Entry errors are to be crossed out with a single line and initialed by the person making the correction.
8. Do not leave blanks on log forms; if no entry is applicable for a given data field, indicate so with "NA" or a dash ("--").
9. At the earliest practical time, photocopies or typed versions of log forms and log book pages should be made and placed in the project file as a backup in the event the book or forms are lost or damaged.
10. Log books should be dedicated to one project only, i.e., do not record data from multiple projects in one log book.

4.2 ELECTRONIC DATA

Electronic data recording involves electronic measurement of field information through the use of monitoring instruments, sensors, gauges, and equipment controls. The following is a list of guidelines for proper recording and management of electronic field data:

1. Field data management should follow the requirements of a project-specific data management plan (DMP), if applicable.
2. Use only instruments that have been calibrated in accordance with manufacturer's recommendations.
3. Usage of instruments, controls, and computers for the purpose of obtaining field data should only be performed by personnel properly trained and experienced in the use of the equipment and software.
4. Use only fully-licensed software on personal computers and laptops.
5. Loss of electronic files may mean loss of irreplaceable data. Every effort should be made to back up electronic files obtained in the field as soon as practical. A backup file placed on the file server will minimize the potential for loss.
6. Electronic files, once transferred from field instruments or laptops to office computers, should be protected, if possible, to prevent unwanted or inadvertent manipulation or modification of data. Several levels of protection are usually available for spreadsheets, including making a file "read-only" or assigning a password to access the file.
7. Protect CDs from exposure to moisture, excessive heat or cold, magnetic fields, or other potentially damaging conditions.
8. Remote monitoring is often used to obtain stored electronic data from site environmental systems. A thorough discussion of this type of electronic field data recording is beyond the scope of this Section. Such on-site systems are generally capable of storing a limited amount of data as a comma-delimited or spreadsheet file. Users must remotely access the monitoring equipment files via modem or other access and download the data. In order to minimize the

potential for loss of data, access and downloading of data should be performed frequently enough to ensure the data storage capacity of the remote equipment is not exceeded.

Equipment/Materials:

- Appropriate field log forms, or iPad® or equivalent with preformatted log forms.
- Indelible ball point pen (do not use “rollerball” or felt-tip style pens);
- Straight edge;
- Pocket calculator; and,
- Laptop computer (if required).

5. Aquifer Characterization

This procedure describes the measurement of water levels in groundwater monitoring.

A synoptic gauging round will be completed to obtain water levels in monitoring wells. Water levels will be acquired in a manner that provides accurate data that can be used to calculate vertical and horizontal hydraulic gradients and other hydrogeologic parameters. Accuracy in obtaining the measurements is critical to ensure the usability of the data.

5.1 PROCEDURE

To provide reliable data, water level monitoring events should be collected over as short of a period of time as practical. Barometric pressure can affect groundwater levels; therefore, observation of significant weather changes during the period of water level measurements must be noted. Rainfall events and groundwater pumping can also affect groundwater level measurements. Personnel collecting water level data must note if any of these controls are in effect during the groundwater level collection period. Due to possible changes during the groundwater level collection period, it is imperative that the time of data collection at each station be accurately recorded. Water levels will also be collected prior to any sample collection that day.

The depth to groundwater will be measured with an electronic depth-indicating probe. Prior to obtaining a measurement, a fixed reference point on the well casing will be established for each well to be measured. Unless otherwise established, the reference point is typically established and marked on the north side of the well casing. Do not use protective casings or flush-mounted road boxes as a reference, due to the potential for damage or settlement. The elevation of the reference point shall be obtained by accepted surveying methods, to the nearest 0.01 ft.

The water level probe will be lowered into the well until the meter indicates (via indicator light or tone) that the water has been reached. The probe will be raised above the water level and slowly lowered again until water is indicated. The cable will be held against the side of the inner protective casing at the point designated for water level measurements and a depth reading taken. This procedure will be followed three times or until a consistent value is obtained. The value will be recorded to the nearest 0.01 ft on the Groundwater Level Monitoring Report form.

Upon completion, the probe will be raised to the surface and, together with the amount of cable that entered the well casing, will be decontaminated in accordance with methods described in the Equipment Decontamination Procedure.

Equipment/Materials:

- Battery-operated, non-stretch electronic water level probe with permanent markings at 0.01-ft increments, such as the Solinst Model 101 or equivalent.
- The calibrated cable on the depth indicator will be checked against a surveyor's steel tape once per quarter year. A new cable will be installed if the cable has changed by more than 0.01 percent (0.01 ft for a 100-ft cable). See also the Field Instruments – Use and Calibration Procedure.
- Groundwater Level Monitoring Report form.

6. Sample Collection for Laboratory Analysis

6.1 SOIL SAMPLE COLLECTION FOR LABORATORY ANALYSIS

The following procedure is an introduction to soil sampling techniques and an outline of field staff responsibilities. All samples will be collected with dedicated sampling equipment.

6.1.1 Preparatory Requirements

Prior to the beginning of any RI or remedial measures activities, staff must attend a project briefing for the purpose of reviewing the project work plan, Site and utility plans, drawings, applicable regulations, sampling location, depth, and criteria, Site contacts, and other related documents. Health and safety concerns will be documented in a Site-specific HASP.

A file folder for the field activities should be created and maintained such that all relevant documents and log forms likely to be useful for the completion of field activities by others are readily available in the event of personnel changes.

6.1.2 Soil Classification

The stratigraphic log is a factual description of the soil at the borehole location and is relied upon to interpret the soil characteristics, their influence, and significance in the subsurface environment. The accuracy of the stratigraphic log is to be verified by the person responsible for interpreting subsurface conditions. An accurate description of the soil stratigraphy is essential for a reasonable understanding of the subsurface conditions. Confirmation of the field description by examination of representative soil samples by the project geologist, hydrogeologist, or geotechnical engineer (whenever practicable) is recommended.

The ability to describe and classify soil correctly is a skill that is learned from a person with experience and by systematic training and comparison of laboratory results to field descriptions.

6.1.2.1 Data Recording

Several methods for classifying and describing soils or unconsolidated sediments are in relatively widespread use. The Unified Soil Classification System (USCS) is the most common. With the USCS, a soil is first classified according to whether it is predominantly coarse-grained or fine-grained.

The description of fill soil is similar to that of natural undisturbed soil except that it is identified as fill and not classified by USCS group, relative density, or consistency. Those logging soils must attempt to distinguish between soils that have been placed (i.e., fill) and not naturally present; or soils that have been naturally present but disturbed (i.e., disturbed native).

It is necessary to identify and group soil samples consistently to determine the subsurface pattern or changes and non-conformities in soil stratigraphy in the field at the time of drilling. The stratigraphy in each borehole during drilling is to be compared to the stratigraphy found at the previously completed boreholes to ensure that patterns or changes in soil stratigraphy are noted and that consistent terminology is used.

Visual examination, physical observations, and manual tests (adapted from ASTM D2488, visual-manual procedures) are used to classify and group soil samples in the field and are summarized in this subsection. ASTM D2488 should be reviewed for detailed explanations of the procedures. Visual-manual procedures used for soil identification and classification include:

- visual determination of grain size, soil gradation, and percentage fines;
- dry strength, dilatancy, toughness, and plasticity (thread or ribbon test) tests for identification of inorganic fine-grained soil (e.g., CL, CH, ML, or MH); and
- soil compressive strength and consistency estimates based on thumb indent and pocket penetrometer (preferred) methods.

Soil characteristics like plasticity, strength, and dilatancy should be determined using the H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) Soil Identification Field Form.

6.1.2.2 Field Sample Screening

Upon the collection of soil samples, the soil is screened with a photoionization detector (PID) for the presence of organic vapor. This is accomplished by running the PID across the soil sample. The highest reading and sustained readings are recorded.

Note: The PID measurement must be done upwind of the excavating equipment or any running engines so that exhaust fumes will not affect the measurements.

Another method of field screening is headspace measurements. This consists of placing a portion of the soil sample in a sealable glass jar, placing aluminum foil over the jar top, and tightening the lid. Alternatively, plastic sealable bags may be utilized for a field screen in lieu of glass containers. The jar should only be partially filled. Shake the jar and set aside for at least 30 minutes. After the sample has equilibrated, the lid of the jar can be opened; the foil is punctured with the PID probe, and the air (headspace) above the soil sample is monitored. This headspace reading on the field form or in the field book is recorded. All headspace measurements must be completed under similar conditions to allow comparability of results. Soil classification and PID readings will be recorded in the daily field report.

Equipment/Materials:

- Pocket knife or small spatula
- Small handheld lens
- Stratigraphic Log (Overburden) (Form 2001)
- Tape measure
- When sampling for PFAS, acceptable materials for sampling include stainless steel, high-density polyethylene (HDPE), polyvinyl chloride (PVC), silicone, acetate, and polypropylene.

6.1.3 Soil Sampling

Soil samples will be collected from acetate liners installed by a track-mounted direct-push drill rig (Geoprobe®) operated by a licensed operator. Soil samples will be collected using a stainless-steel trowel or sampling spoon into laboratory-provided sample containers. If it is necessary to relocate any

proposed sampling location due to terrain, utilities, access, etc., the Project Manager must be notified, and an alternate location will be selected.

Prior to use and between each sampling location at an environmental site, the sampling equipment must be decontaminated. All decontamination must be conducted in accordance with the project-specific plans or the methods presented in SOP 7.0.

6.1.4 Sampling Techniques

The following procedure describes typical soil sample collection methods for submission of samples to a laboratory for chemical analysis. The primary goal of soil sampling is to collect representative samples for examination and chemical analysis (if required).

Environmental soil samples obtained for chemical analyses are collected with special attention given to the rationale behind determining the precise zone to sample, the specifics of the method of soil extraction, and the requisite decontamination procedures. Preservation, handling, and glassware for environmental soil samples vary considerably depending upon several factors, including the analytical method to be conducted and the analytical laboratory being used.

Soil sampling for PFAS will be performed in accordance with NYSDEC, DER, Sampling, Analysis and Assessment of PFAS under NYSDEC Part 375 Remedial Program (June 2021).

6.1.4.1 Grab Versus Composite Samples

A grab sample is collected to identify and quantify conditions at a specific location or interval. The sample is comprised of the minimum amount of soil necessary to make up the volume of the sample dictated by the required sample analyses. Composite samples may be obtained from several locations or along a linear trend (in a test pit or excavation). Sampling may occur within or across stratification.

6.2 GROUNDWATER SAMPLE COLLECTION FOR LABORATORY ANALYSIS

The following section describes two techniques for groundwater sampling: “Low-Stress/Low-Flow Methods” and “Typical Sampling Methods.”

“Low-Stress/Low-Flow” methods will be employed when collecting groundwater samples for the evaluation of volatile constituents (i.e., dissolved oxygen [DO]) or in fine-grained formations where sediment/colloid transport is possible. Analyses typically sensitive to colloidal transport issues include PCBs, polyaromatic hydrocarbons (PAHs), and metals.

The “Typical Sampling Methods” will be employed where parameters less sensitive to turbidity/sediment issues are being collected (general chemistry, pesticides, and other SVOCs).

NOTE: If non-aqueous phase liquids (NAPL) (light or dense) are detected in a monitoring well, groundwater sample collection will not be conducted, and the Project Manager must be contacted to determine a course of action.

6.2.1 Preparatory Requirements

- Verify well identification and location using borehole log details and location layout figures. Note the condition of the well and record any necessary repair work required.
- Prior to opening the well cap, measure the breathing space above the well casing with a handheld organic vapor analyzer to establish baseline breathing space VOC levels. Repeat this measurement once the well cap is opened. If either of these measurements exceeds the air quality criteria in the HASP, field personnel should adjust their personal protective equipment (PPE) accordingly.
- Prior to commencing the groundwater purging/sampling, a water level must be obtained to determine the well volume for hydraulic purposes. In some settings, it may be necessary to allow the water level time to equilibrate. This condition exists if a watertight seal exists at the well cap and the water level has fluctuated above the top of screen, creating a vacuum or pressurized area in this air space. Three water level checks will verify that static water level conditions have been achieved.
- Calculate the volume of water in the well. Typically, overburden well volumes consider only the quantity of water standing in the well screen and riser; bedrock well volumes are calculated on the quantity of water within the open core hole and within the overburden casing.

6.2.2 Well Development

Well development is completed to remove fine-grained materials from the well but in such a manner as not to introduce fines from the formation into the sand pack. Well development continues until the well responds to water level changes in the formation (i.e., a good hydraulic connection is established between the well and formation) and the well produces clear, sediment-free water to the extent practical.

- Attach the appropriate pump and lower tubing into the well.
- Gauge well and calculate one-well volume. Turn on the pump. If the well runs dry, shut off the pump and allow it to recover.
- Surging will be performed by raising and lowering the pump several times to pull fine-grained material from the well. Periodically measure the turbidity level using a La Motte turbidity reader.
- The second and third steps will be repeated until turbidity is less than 50 nephelometric turbidity units (NTU) or when 10 well volumes have been removed.
- All water generated during cleaning and development procedures will be collected and contained on the Site in 55-gallon drums for future analysis and appropriate disposal.

Equipment:

- Appropriate health and safety equipment
- Knife
- Power source (generator)
- Field book
- Well Development Form (Form 3006)

- Well keys
- Graduated pails
- Pump and tubing
- Cleaning supplies (including non-phosphate soap, buckets, brushes, laboratory-supplied distilled/deionized water, tap water, cleaning solvent, aluminum foil, plastic sheeting, etc.)
- Water level meter

6.2.3 Well Purging and Stabilization Monitoring (Low-Stress/Low-Flow Method)

The preferred method for groundwater sampling will be the low-stress/low-flow method described below.

- Slowly lower the pump, safety cable, tubing, and electrical lines into the well to the depth specified by the project requirements. The pump intake must be at the midpoint of the well screen to prevent disturbance and resuspension of any sediment in the screen base.
- Before starting the pump, measure the water level again with the pump in the well, leaving the water level measuring device in the well when completed.
- Purge the well at 100 to a maximum of 500 milliliters per minute (mL/min). During purging, the water level should be monitored approximately every five minutes, or as appropriate. A steady flow rate should be maintained that results in a drawdown of 0.3 ft or less. The rate of pumping should not exceed the natural flow rate conditions of the well. Care should be taken to maintain pump suction and to avoid entrainment of air in the tubing. Record adjustments made to the pumping rates and water levels immediately after each adjustment.
- During the purging of the well, monitor and record the field indicator parameters (pH, temperature, conductivity, oxidation-reduction [redox] reaction potential [ORP], DO, and turbidity) approximately every five minutes. Stabilization is considered to be achieved when the final groundwater flow rate is achieved, and three consecutive readings for each parameter are within the following limits:
  - pH: 0.1 pH units of the average value of the three readings;
  - Temperature: 3 percent of the average value of the three readings;
  - Conductivity: 0.005 milliSiemen per centimeter (mS/cm) of the average value of the three readings for conductivity less than 1 mS/cm and 0.01 mS/cm of the average value of the three readings for conductivity greater than 1 mS/cm;
  - ORP: 10 millivolts (mV) of the average value of the three readings;
  - DO: 10 percent of the average value of the three readings; and
  - Turbidity: 10 percent of the average value of the three readings, or a final value of less than 50 NTU.
- The pump must not be removed from the well between purging and sampling.

6.2.4 Sampling Techniques

- If an alternate pump is utilized, the first pump discharge volumes should be discarded to allow the equipment a period of acclimation to the groundwater.
- Samples are collected directly from the pump, with the groundwater being discharged directly into the appropriate sample container. Avoid handling the interior of the bottle or bottle cap, and don new gloves for each well sampled to avoid contamination of the sample.
- Order of sample collection:
  - PFAS
  - VOCs
  - 1,4-dioxane
  - SVOCs
  - Total Analyte List (TAL) metals
  - PCBs and pesticides
- No sampling equipment components or sample containers should come in contact with aluminum foil, low-density polyethylene, glass, or polytetrafluoroethylene (PTFE, Teflon™) materials, including plumbers' tape and sample bottle cap liners with a PTFE layer.
- For low-stress/low-flow sampling, samples should be collected at a flow rate between 100 and 500 mL/min and such that the drawdown of the water level within the well does not exceed the maximum allowable drawdown of 0.3 ft.
- The pumping rate used to collect a sample for VOC should not exceed 100 mL/min. Samples should be transferred directly to the 40-mL glass vials, the final container, completely full and topped with a Teflon™ cap. Once capped, the vial must be inverted and tapped to check for headspace/air presence (bubbles). If air is present, the sample will be discarded and recollected until free of air.
- Groundwater sampling for PFAS will be performed in accordance with NYSDEC, DER, Sampling, Analysis and Assessment of PFAS under NYSDEC Part 375 Remedial Program (June 2021).
- All samples must be labeled with:
  - A unique sample number
  - Date and time
  - Parameters to be analyzed
  - Project Reference ID
  - Sampler's initials
- Labels should be written in indelible ink and secured to the bottle with clear tape.

Equipment/Materials:

- pH meter, conductivity meter, DO meter, ORP meter, nephelometer, temperature gauge
- Field filtration units (if required)
- Purging/sampling equipment
  - Peristaltic Pump
- Water level probe

- Sampling materials (containers, log book/forms, coolers, chain of custody [COC])
- Work Plan
- HASP
- When sampling for PFAS, acceptable materials for sampling include stainless steel, HDPE, PVC, silicone, acetate, and polypropylene.

Note: Peristaltic pump use for VOC collection is not acceptable on NYSDEC/U.S. Environmental Protection Agency (EPA)/Resource Conservation and Recovery Act (RCRA) sites; this technique has gained acceptance in select areas where it is permissible to collect VOCs using a peristaltic pump at a low-flow rate (e.g., Michigan).

Note: 1,4-dioxane and PFAS purge and sample techniques will be conducted following the NYSDEC guidance documents (see Appendix D of the RIWP). Acceptable groundwater pumps include a stainless-steel inertia pump with HDPE tubing, a peristaltic pump equipped with HDPE tubing and silicone tubing, and a stainless-steel bailer with stainless-steel ball or bladder pump (identified as PFAS-free) with HDPE tubing.

Field Notes:

- Field notes must document all the events, equipment used, and measurements collected during the sampling activities. Section 2.0 describes the data/recording procedure for field activities.
- The log book should document the following for each well sampled:
  - Identification of well
  - Well depth
  - Static water level depth and measurement technique
  - Sounded well depth
  - Presence of immiscible layers and detection/collection method
  - Well yield – high or low
  - Purge volume and pumping rate
  - Time well purged
  - Measured field parameters
  - Purge/sampling device used
  - Well sampling sequence
  - Sampling appearance
  - Sample odors
  - Sample volume
  - Types of sample containers and sample identification
  - Preservative(s) used
  - Parameters requested for analysis
  - Field analysis data and method(s)
  - Sample distribution and transporter
  - Laboratory shipped to

- COC number for shipment to laboratory
- Field observations on sampling event
- Name collector(s)
- Climatic conditions including air temperature
- Problems encountered and any deviations made from the established sampling protocol.

Standard log forms for documentation and reporting groundwater purging and sampling events are presented on the Groundwater Sampling Record, Low-Flow Groundwater Sampling Form, and Low-Flow Monitored Natural Attenuation (MNA) Field Sampling Form. Refer to Appendix A for example field forms.

Groundwater/Decon Fluid Disposal:

- Groundwater disposal methods will vary on a case-by-case basis but may range from:
  - Off-site treatment at private treatment/disposal facilities or publicly owned treatment facilities
  - On-site treatment
  - Direct discharge to the surrounding ground surface, allowing groundwater infiltration to the underlying subsurface regime
- Decontamination fluids should be segregated and collected separately from wash waters/groundwater containers.

6.3 SUB-SLAB/SOIL VAPOR SAMPLING

The following procedure is an introduction to soil vapor sampling techniques and an outline of field staff responsibilities.

6.3.1 Preparatory Requirements

Prior to collecting the field sample, ensure the stainless-steel or polyethylene soil vapor probe has been installed to the desired depth and sealed completely to the surface using a material such as bentonite. As part of the vapor intrusion evaluation, a tracer gas should be used in accordance with New York State Department of Health (NYSDOH) protocols to serve as a quality assurance/quality control (QA/QC) device to verify the integrity of the soil vapor probe seal. A container (box, plastic pail, etc.) will serve to keep the tracer gas in contact with the probe during testing. A portable monitoring device will be used to analyze a sample of soil vapor for the tracer gas prior to sampling. If the tracer sample results show a significant presence of the tracer, the probe seals will be adjusted to prevent infiltration. At the conclusion of the sampling round, tracer monitoring should be performed a second time to confirm the integrity of the probe seals.

6.3.2 Sampling Techniques

Samples will be collected in appropriately sized Summa canisters that have been certified clean by the laboratory, and samples will be analyzed using EPA Method TO-15. Flow rate for both purging and sampling will not exceed 0.2 liters per minute (L/min). One to three implant volumes shall be purged prior to the collection of any soil-gas samples. A sample log sheet will be maintained summarizing

sample identification, date and time of sample collection, sampling depth, identity of samplers, sampling methods and devices, soil vapor purge volumes, volume of the soil vapor extracted, vacuum of canisters before and after the samples are collected, apparent moisture content of the sampling zone, and COC protocols.

6.4 SAMPLE HANDLING AND SHIPPING

Sample management is the continuous care given to each sample from the point of collection to receipt at the analytical laboratory. Good sample management ensures that samples are properly recorded, properly labeled, and not lost, broken, or exposed to conditions that may affect the sample's integrity.

All sample submissions must be accompanied by a COC document to record sample collection and submission. Personnel performing sampling tasks must check the sample preparation and preservation requirements to ensure compliance with the QAPP.

The following sections provide the minimum standards for sample management.

6.4.1 Sample Handling

Prior to entering the field area where sampling is to be conducted, especially at sites with defined exclusion zones, the sampler should ensure that all materials necessary to complete the sampling are on hand. If samples must be maintained at a specified temperature after collection, dedicated coolers and ice must be available for use. Conversely, when sampling in cold weather, proper protection of water samples, trip blanks, and field blanks must be considered. Sample preservation will involve pH adjustment, cooling to 4 degrees Celsius, and sample filtration and preservation.

6.4.2 Sample Labeling

Samples must be properly labeled immediately upon collection.

Note that the data shown on the sample label is the minimum data required. The sample label data requirements are listed below for clarity.

- Project name
- Sample name/number/unique identifier
- Sampler's initials
- Date of sample collection
- Time of sample collection
- Analysis required
- Preservatives

To ensure that samples are not confused, a clear notation should be made on the container with a permanent marker. If the containers are too soiled for marking, the container can be put into a “Zip Lock” bag, which can then be labeled.

All sample names will be as follows:

- Sample unique identifier: Enter the sample name or number. There should be NO slashes, spaces, or periods in the date.
- Date: Enter the six-digit date when the sample was collected. Note that for one-digit days, months, and/or years, add zeros so that the format is MMDDYY (050210). There should be NO slashes, dashes, or periods in the date.

The QA/QC samples will be numbered consecutively as collected with a sample name, date and number of samples collected throughout the day (i.e., when multiple QA/QC samples are collected in one day).

Examples of this naming convention are as follows:

Sample Name:	Comments
TB-050202-0001	TRIP BLANK
TB-050202-0002	TRIP BLANK
FD-050202-0001	FIELD DUPLICATE
FD-050202-0002	FIELD DUPLICATE

NOTE: The QA/QC Sample # resets to 0001 EACH DAY. This will avoid having to look back to the previous day for the correct sequential number.

6.4.3 Field Code

The field code will be written in the "Comments" field on the COC for EVERY sample but will not be a part of the actual sample name. Enter the one/two-character code for the type of sample (must be in CAPITALS):

N	Normal Field Sample
FD	Field Duplicate (note sample number (i.e., 0001) substituted for time)
TB	Trip Blank (note sample number (i.e., 0001) substituted for time)
EB	Equipment Blank (note sample number (i.e., 0001) substituted for time)
FB	Field Blank (note sample number (i.e., 0001) substituted for time)
KD	Known Duplicate
FS	Field Spike Sample
MS	Matrix Spike Sample (note on "Comments" field of COC – laboratory to spike matrix.
MD	Matrix Spike Duplicate Sample (note on 'Comments' field of COC – laboratory to spike matrix.
RM	Reference Material

The sample labeling – both chain and sample bottles must be EXACTLY as detailed above. In addition, the Field Sample Key for each sample collected must be filled out.

6.4.4 Packaging

Sample container preparation and packing for shipment should be completed in a well-organized and clean area, free of any potential cross-contamination. The following is a list of standard guidelines that must be followed when packing samples for shipment.

- Double-bag ice in “Zip Lock” bags.
- Double check to ensure trip and temperature blanks have been included for all shipments containing VOCs, or where otherwise specified in the QAPP.
- Enclose the COC form in a “Zip Lock” bag.
- Containers should be wiped clean of all debris/water using paper towels (paper towels must be disposed of with other contaminated materials).
- Clear, wide packing tape should be placed over the sample label for protection.
- Do not bulk pack. Each sample must be individually padded.
- Large glass containers (1 liter and up) require much more space between containers.
- Ice is not a packing material due to the reduction in volume when it melts.

Note: Never store sterile sample containers in enclosures containing equipment that uses any form of fuel or volatile petroleum-based product. When conducting sampling in freezing conditions at sites without a heated storage area (free of potential cross-contaminants), unused trip blanks should be isolated from coolers immediately after receipt. Trip blanks should be double-bagged and kept from freezing.

6.4.5 Chain-of-Custody Records

COC forms will be completed for all samples collected. The form documents the transfer of sample containers. The COC record, completed at the time of sampling, will contain, but not be limited to, the sample number, date and time of sampling, and the name of the sampler. The COC document will be signed and dated by the sampler when transferring the samples.

Each sample cooler being shipped to the laboratory will contain a COC form. The cooler will be sealed properly for shipment. The laboratory will maintain a copy for its records. One copy will be returned with the data deliverables package.

The following list provides guidance for the completion and handling of all COCs:

- COCs used should be a Haley & Aldrich of New York standard form or supplied by the analytical laboratory.
- COCs must be completed in black ball point ink only.
- COCs must be completed neatly using printed text.
- If a simple mistake is made, cross out the error with a single line and initial and date the correction.
- Each separate sample entry must be sequentially numbered.
- If numerous repetitive entries must be made in the same column, place a continuous vertical arrow between the first entry and the next different entry.
- When more than one COC form is used for a single shipment, each form must be consecutively numbered using the “Page ___ of ___” format.
- If necessary, place additional instructions directly onto the COC in the Comment Section. Do not enclose separate instructions.

- Include a contact name and phone number on the COC in case there is a problem with the shipment.
- Before using an acronym on a COC, clearly define the full interpretation of your designation [i.e., polychlorinated biphenyls (PCBs)].

6.4.6 Shipment

Prior to the start of the field sampling, the carrier should be contacted to determine if pickup will be at the field site location. If pick-up is not available at the Site, the nearest pick-up or drop-off location should be determined. Sample shipments must not be left at unsecured drop locations.

Copies of all shipment manifests must be maintained in the field file.

7. Field Instruments – Use and Calibration

A significant number of field activities involve the use of electronic instruments to monitor for environmental conditions and health and safety purposes. It is imperative that the instruments are used and maintained properly to optimize their performance and minimize the potential for inaccuracies in the data obtained. This section provides guidance on the usage, maintenance, and calibration of electronic field equipment.

- All monitoring equipment will be in proper working order and operated in accordance with manufacturer's recommendations.
- Field personnel will be responsible for ensuring that the equipment is maintained and calibrated in the field in accordance with manufacturer's recommendations.
- Instruments will be operated only by personnel trained in the proper usage and calibration.
- Personnel must be aware of the range of conditions, such as temperature and humidity, for instrument operation. Usage of instruments in conditions outside these ranges will only proceed with approval of the Project Manager and/or Health and Safety Officer as appropriate.
- Instruments that contain radioactive source material, such as x-ray fluorescence (XRF) analyzers or moisture-density gauges, require specific transportation, handling, and usage procedures that are generally associated with a license from the Nuclear Regulatory Commission (NRC) or an NRC-Agreement State. Under no circumstances will the operation of such instruments be allowed on site unless by properly authorized and trained personnel, using the proper personal dosimetry badges or monitoring instruments.

7.1 GENERAL PROCEDURE DISCUSSION

Care must be taken to minimize the potential for transfer of contaminated materials to the ground or onto other materials. Regardless of the size or nature of the equipment being decontaminated, the process will utilize a series of steps that involve removal of gross material (dirt, grease, oil, etc.), washing with a detergent, and multiple rinsing steps. In lieu of a series of washes and rinse steps, steam cleaning with low-volume, high-pressure equipment (i.e., steam cleaner) is acceptable.

Exploration equipment, and all monitoring equipment in contact with the sampling media must be decontaminated prior to initiating site activities, in between exploration locations to minimize cross-contamination, and prior to mobilizing off site after completion of site work.

The following specific decontamination procedure is recommended for sampling equipment and tools:

- Brush loose soil off equipment;
- Wash equipment with laboratory-grade detergent (i.e., Alconox or equivalent);
- Rinse with tap water;
- Rinse equipment with distilled water;
- Allow water to evaporate before reusing equipment; and
- Wrap equipment in aluminum foil when not being used.

7.2 DECONTAMINATION OF MONITORING EQUIPMENT

Because monitoring equipment is difficult to decontaminate, care should be exercised to prevent contamination. Sensitive monitoring instruments should be protected when they are at risk of exposure to contaminants. This may include enclosing them in plastic bags, allowing an opening for the sample intake. Ventilation ports should not be covered.

If contamination does occur, decontamination of the equipment will be required; however, immersion in decontamination fluids is not possible. As such, care must be taken to wipe the instruments down with detergent-wetted wipes or sponges, and then with de-ionized water-wetted wipes or sponges.

7.3 DISPOSAL OF WASH SOLUTIONS AND CONTAMINATED EQUIPMENT

All contaminated wash water, rinses, solids, and materials used in the decontamination process that cannot be effectively decontaminated (such as polyethylene sheeting) will be containerized and disposed of in accordance with applicable regulations. All containers will be labeled with an indelible marker as to contents and date of placement in the container, and any appropriate stickers required (such as PCBs). Storage of decontamination wastes on site will not exceed 90 days under any circumstances.

Equipment/Materials:

Decontamination equipment and solutions are generally selected based on ease of decontamination and disposability.

- Polyethylene sheeting;
- Metal racks to hold equipment;
- Soft-bristle scrub brushes or long-handle brushes for removing gross contamination and scrubbing with wash solutions;
- Large galvanized wash tubs, stock tanks, or wading pools for wash and rinse solutions;
- Plastic buckets or garden sprayers for rinse solutions;
- Large plastic garbage cans or other similar containers lined with plastic bags can be used to store contaminated clothing; and
- Contaminated liquids and solids should be segregated and containerized in New York State Department of Transportation (NYSDOT)-approved plastic or metal drums, appropriate for offsite shipping/disposal if necessary.

8. Investigation-Derived Waste Disposal

8.1 RATIONALE/ASSUMPTIONS

This procedure applies to the disposition of IDW, including soils and/or groundwater. IDW is dealt with the following "Best Management Practices" and is not considered a listed waste due to the lack of generator knowledge concerning chemical source, chemical origin, and timing of chemical introduction to the subsurface.

Consequently, waste sampling and characterization are performed to determine if the wastes exhibit a characteristic of hazardous waste. The disposal of soil cuttings, test pit soils, and/or purged groundwater will be reviewed on a case-by-case basis prior to initiation of field activities. Two scenarios typically exist:

- When no information is available in the area of activity or investigation, and impacted media/soils are identified. Activities such as new construction and /or maintenance below grade may encounter environmental conditions that were unknown.
- Disposal Required/Containerization Required – When sufficient Site information regarding the investigative Site conditions warrants that all materials handled will be contained and disposed.

If a known listed hazardous and/or characteristically hazardous waste/contaminated environmental media is being handled, then handling must be performed in accordance with RCRA Subtitle C (reference 2, Part V, Section 1(a),(b),(c)).

The following outlines the waste characterization procedures to be employed when IDW disposal is required.

The following procedure describes the techniques for characterization of IDW for disposal purposes. IDW may consist of soil cuttings (augering, boring, well installation soils, test pit soils), rock core or rock flour (from coring, reaming operations), groundwater (from well development, purging, and sampling activities), decontamination fluids, PPE, and disposal equipment (DE).

8.2 PROCEDURE

The procedures for handling and characterization of field activity-generated wastes are:

A.) Soil Cuttings - Soils removed from boring activities will be contained within an approved container, suitable for transportation and disposal.

- Once placed into the approved container, any free liquids (i.e., groundwater) will be removed for disposal as waste fluids or solidified within the approved container using a solidification agent such as Speedy Dri (or equivalent).
- Contained soils will be screened for the presence of VOCs, using a PID; this data will be logged for future reference.

- Once screened, full, and closed, the container will be labeled and placed into the container storage area. At a minimum, the following information will be shown on each container label: date of filling/generation, Site name, source of soils (i.e., borehole or well), and contact.
- Prior to container closure, representative samples from the containers will be collected for waste characterization purposes and submitted to the project laboratory.
- Typically, at a location where an undetermined site-specific parameter group exists, sampling and analysis may consist of the full RCRA Waste Characterization (ignitability, corrosivity, reactivity, toxicity), or a subset of the above based upon data collected, historical information, and generator knowledge.

B.) Groundwater - purging and sampling groundwater, which requires disposal, will be contained.

- Containment may be performed in 55-gallon drums, tanks suitable for temporary storage (i.e., Nalgene tanks 500 to 1,000 gallons), or, if large volumes of groundwater are anticipated, a tanker trailer (5,000 to 10,000 gallons ±) or drilling "Frac" tanks may be utilized (20,000 gallons ±). In all cases, the container/tank used for groundwater storage must be clean before use, such that cross-contamination does not occur.

C.) Decon Waters/Decon Fluids - Decon waters and/or fluids will be segregated, contained, and disposed accordingly.

- Decon waters may be disposed of with the containerized groundwater once analytical results have been acquired.

D.) PPE/DE – A number of disposal options exist for spent PPE/DE generated from investigation tasks. The options typically employed are:

- Immediately disposed of within on-Site dumpster/municipal trash; or
- If known to be contaminated with RCRA hazardous waste, dispose off-Site at an RCRA Subtitle C facility.
- Spent Solvent/Acid Rinses - The need for sampling must be determined in consultation with the waste management organization handling the materials. If known that only the solvent and/or acids are present, then direct disposal/treatment using media-specific options may be possible without sampling (i.e., incineration).
- PPE/DE – Typically not sampled and included with the disposal of the solid wastes.

Equipment/Materials:

- Sample spoons, trier, auger,
- Sample mixing bowl,
- Sampling bailer, or pump,
- Sample glassware.

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6. ASTM D5088 - Practice for Decontamination of Field Equipment Used at Non-Radioactive Waste Sites

7. ASTM D5474: Guide for Selection of Data Elements for Groundwater Investigations

8. ASTM D5903: Guide for Planning and Preparing for a Groundwater Sampling Event

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24. EPA: RCRA Groundwater Monitoring: Draft Technical guidance (EPA/530 R 93 001)

25. Geotechnical Gauge, Manufactured by W.F. McCollough, Beltsville, MD.

26. New York State Code Rule 753

27. New York State Department of Environmental Conservation Technical Guidance for Site Investigation and Remediation, DER-10, (May 3, 2010).

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29. Occupational Safety and Health Administration (OSHA), Excavation and Trenching Standard Title 29 of the Code of Federal Regulation (CFR) Part 1926.650.

30. Sand Grading Chart, by Geological Specialty Company, Northport, Alabama.

APPENDIX A
Field Forms

EQUIPMENT CALIBRATION LOG

Project: _____

Location: _____

Model Name: _____

Model Number: _____ **Serial Number:** _____

Cal. Standards: _____

_____

_____

Instruments will be calibrated in accordance with manufacturer's recommendations at least once per day.

Date	Time	Calibration Satandard Solution	Calibration Result	Calibrated by

Other Comments: _____

_____

_____

_____

_____

_____

_____

_____

Groundwater Field Sampling Form

Location:

Job Number: _____
Well ID: _____
Field Sampling Crew: _____

Date: _____
Start Time: _____
Finished Time: _____

Initial Depth to Water: _____
Well Depth: _____
Depth to top of screen: _____
Depth to bottom of screen: _____
Depth of Pump Intake: _____

Purging Device: _____
Tubing present in well? _____
Tubing type: _____

Time Elapsed (24 hour)	Depth to Water (from casing)	Pump Setting (ml/min or gal/min)	Purge Rate (ml/min or gal/min)	Cumulative Purge Volume (liters or gallons)	Temperature (degrees Celsius)	pH	Conductivity us/cm	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP/eH (mv)	Comments

Comments:

HALEY ALDRICH

SAMPLE IDENTIFICATION KEY

Page of

PROJECT _____ **H&A FILE NO.** _____

LOCATION _____ **PROJECT MGR.** _____

CLIENT _____

CONTRACTOR _____

Sample ID	Parent Sample ID	Location ID	Sample Date	Sample Time (military)	Sample Type Code	Filtered (Water Only T/D/N)	Composite Y/N	Soil Type	Depth To Top Of Sample	Depth To Bottom Of Sample	C.O.C. Number	Notes	Collected By

Notes:

Common Sample Type Codes:

N Normal Environmental Samp	WG Groundwater	WS Surface Water	SO Soil	GS Soil Gas	SE Sediment
WQ Water for Quality Control	FD Field Duplicate	EB Equipment Blank	TB Trip Blank	MS Matris Spike	MSD Matrix Spike Duplicate

see Memorandum dated 08/08/05 from Melanie Satanek "Sample Labeling for Submission to Analytical Laboratory" for less common codes

DAILY FIELD REPORT

Page of

Project		Report No.	
Location		Date	
Client		Page	of
Contractor		File No.	
Weather		Temperature	

Field Representative(s)	Time on site	Report/Travel/Other	Total hours

Distribution:

Haley & Aldrich, Inc.

GEOPROBE BORING REPORT

BORING NO.

Page 1 of

PROJECT
LOCATION
CLIENT
CONTRACTOR
DRILLER

PROJECT MGR.
FIELD REP.
DATE STARTED
DATE FINISHED

Elevation ft. Datum

Boring Location

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)			
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ _____ ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☐ None

Casing Advance: Type Method Depth

Drilling Notes:

Depth (ft.)	Casing Blows	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft)	Elev./ Depth (ft)	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
Date					

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Summary

Overburden (Linear ft.) _____
Rock Cored (Linear ft.) _____
Number of Samples _____

BORING NO.

*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

Form #3000

APPENDIX C
Quality Assurance Project Plan

HALEY ALDRICH

www.haleyaldrich.com

QUALITY ASSURANCE PROJECT PLAN
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
8-01 AND 8-51 26TH AVENUE
QUEENS, NEW YORK

by
H & A of New York Engineering and Geology, LLP
New York, New York

for
KS Astoria LLC
Newark, New Jersey

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Executive Summary

This Quality Assurance Project Plan (QAPP) outlines the scope of the quality assurance and quality control (QA/QC) activities associated with the site monitoring activities as stipulated in the Remedial Investigation Work Plan (RIWP) for the Former Tilsdale Lumber and Coal Redevelopment Site (Site) located at 8-01 and 8-51 26th Avenue in Queens, New York.

Protocols for sample collection, sample handling and storage, chain-of-custody procedures, and laboratory and field analyses are described herein or specifically referenced to related project documents.

Table of Contents

Page

Executive Summary i
List of Tables v

1. Project Description 1

1.1 PROJECT OBJECTIVES 1
1.2 SITE DESCRIPTION AND HISTORY 1
1.3 LABORATORY PARAMETERS 1
1.4 SAMPLING LOCATIONS 2

2. Project Organization and Responsibilities 3

2.1 MANAGEMENT RESPONSIBILITIES 3
2.2 QUALITY ASSURANCE RESPONSIBILITIES 3
2.2.1 Quality Assurance (QA) Officer 3
2.2.2 Data Validation Staff 3
2.3 LABORATORY RESPONSIBILITIES 4
2.3.1 Laboratory Project Manager 4
2.3.2 Laboratory Operations Manager 4
2.3.3 Laboratory QA Officer 4
2.3.4 Laboratory Sample Custodian 4
2.3.5 Laboratory Technical Personnel 4
2.4 FIELD RESPONSIBILITIES 5
2.4.1 Field Coordinator 5
2.4.2 Field Team Personnel 5

3. Sampling Procedures 6

3.1 SAMPLE CONTAINERS 6
3.2 SAMPLE LABELING 6
3.3 FIELD QC SAMPLE COLLECTION 6
3.3.1 Field Duplicate Sample Collection 6

4. Custody Procedures 8

4.1 FIELD CUSTODY PROCEDURES 8
4.1.1 Field Procedures 9
4.1.2 Transfer of Custody and Shipment Procedures 9
4.2 LABORATORY CHAIN-OF-CUSTODY PROCEDURES 9
4.3 STORAGE OF SAMPLES 10
4.4 FINAL PROJECT FILES CUSTODY PROCEDURES 10

5. Calibration Procedures and Frequency 12

Table of Contents

Page

5.1 FIELD INSTRUMENT CALIBRATION PROCEDURES 12
5.2 LABORATORY INSTRUMENT CALIBRATION PROCEDURES 12

6. Analytical Procedures 13

6.1 FIELD ANALYTICAL PROCEDURES 13
6.2 LABORATORY ANALYTICAL PROCEDURES 13
6.2.1 List of Project Target Compounds and Laboratory Detection Limits 13
6.2.2 List of Method-Specific Quality Control (QC) Criteria 13

7. Internal Quality Control Checks 14

7.1 FIELD QUALITY CONTROL 14
7.1.1 Field Blanks 14
7.1.2 Trip Blanks 14
7.2 LABORATORY PROCEDURES 14
7.2.1 Field Duplicate Samples 14
7.2.2 Matrix Spike Samples 15
7.2.3 Laboratory Control Sample Analyses 15
7.2.4 Surrogate Compound/Internal Standard Recoveries 15
7.2.5 Calibration Verification Standards 16
7.2.6 Laboratory Method Blank Analyses 16

8. Data Quality Objectives 17

8.1 PRECISION 17
8.1.1 Definition 17
8.1.2 Field Precision Sample Objectives 17
8.1.3 Laboratory Precision Sample Objectives 17
8.2 ACCURACY 18
8.2.1 Definition 18
8.2.2 Field Accuracy Objectives 18
8.3 LABORATORY ACCURACY OBJECTIVES 18
8.4 REPRESENTATIVENESS 19
8.4.1 Definition 19
8.4.2 Measures to Ensure Representativeness of Field Data 19
8.5 COMPLETENESS 19
8.5.1 Definition 19
8.5.2 Field Completeness Objectives 19
8.5.3 Laboratory Completeness Objectives 19
8.6 COMPARABILITY 19
8.6.1 Definition 19
8.6.2 Measures to Ensure Comparability of Laboratory Data 20
8.7 LEVEL OF QUALITY CONTROL EFFORT 20

Table of Contents

Page

9. Data Reduction, Validation, and Reporting 21

9.1 DATA REDUCTION 21
9.1.1 Field Data Reduction Procedures 21
9.1.2 Laboratory Data Reduction Procedures 21
9.1.3 Quality Control Data 21
9.2 DATA VALIDATION 21
9.3 DATA REPORTING 22

10. Performance and System Audits 23

10.1 FIELD PERFORMANCE AND SYSTEM AUDITS 23
10.1.1 Internal Field Audit Responsibilities 23
10.1.2 External Field Audit Responsibilities 23
10.2 LABORATORY PERFORMANCE AND SYSTEM AUDITS 23
10.2.1 Internal Laboratory Audit Responsibilities 23
10.2.2 External Laboratory Audit Responsibilities 24

11. Preventive Maintenance 25

11.1 FIELD INSTRUMENT PREVENTIVE MAINTENANCE 25
11.2 LABORATORY INSTRUMENT PREVENTIVE MAINTENANCE 25

12. Specific Routine Procedures Used to Assess Data Precision, Accuracy, and Completeness 26

12.1 FIELD MEASUREMENTS 26
12.2 LABORATORY DATA 26

13. Quality Assurance Reports 27

References 28

List of Tables

Table No.	Title
I	Summary of Analysis Method, Preservation Method, Holding Time, Sample Size Requirements, and Sample Containers

1. Project Description

This Quality Assurance Project Plan (QAPP) has been prepared as a component of the Remedial Investigation Work Plan (RIWP) for the Former Tilsdale Lumber and Coal Redevelopment Site located at 8-01 and 8-51 26th Avenue in Queens, New York (the "Site").

1.1 PROJECT OBJECTIVES

The primary objective for data collection activities is to collect sufficient data necessary to confirm the results of the previous Site characterization activities, potentially identify an on-site source, and determine a course for remedial action. In addition, a qualitative exposure assessment will be conducted and will consider the nature of populations currently exposed or that have the potential to be exposed to Site-related contaminants both on- and off-site, along with describing the reasonably anticipated future land use of the site and affected off-site areas.

1.2 SITE DESCRIPTION AND HISTORY

The general Site description and Site history are provided in the Site Description and History Summary that accompanies the RIWP appended to the Brownfield Cleanup Program (BCP) Application for the Site and incorporated herein by reference.

1.3 LABORATORY PARAMETERS

The laboratory parameters for soil include:

- Target Compound List (TCL) volatile organic compounds (VOCs) using U.S. Environmental Protection Agency (USEPA) Method 8260C
- TCL semi-volatile organic compounds (SVOCs) using USEPA Method 8270D
- Total Analyte List (TAL) metals (including total and hexavalent chromium, and cyanide) using USEPA Method 6010C
- Polychlorinated biphenyls (PCBs) using USEPA Method 8082A
- TCL pesticides using USEPA Method 8081B for historic fill samples
- Per- and polyfluoroalkyl substances (PFAS) using USEPA Method 1633
- 1,4-dioxane using USEPA Method 8270 SIM

The laboratory parameters for groundwater include:

- TCL VOCs using USEPA Method 8260B
- TCL SVOCs using USEPA Method 8270C
- TAL metals using USEPA Methods 6010/7471
- PCBs using USEPA Method 8082
- Pesticides by USEPA Method 8081B
- PFAS using USEPA Method 1633

- 1,4-dioxane using USEPA Method 8270D SIM isotope dilution

Note: PFAS sampling techniques will be conducted following the New York State Department of Environmental Conservation's (NYSDEC's) Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances – Under NYSDEC's Part 375 Remedial Programs (November 2022).

During the collection of groundwater samples, pH, specific conductivity, temperature, dissolved oxygen (DO), and oxidation/reduction potential (ORP) will be measured until stabilized.

The laboratory parameter for soil vapor, indoor air, and ambient air includes:

- VOCs using USEPA Method TO-15

Laboratory parameters for disposal samples will be determined by the disposal facility after an approved facility has been determined.

1.4 SAMPLING LOCATIONS

Figure 2 of the RIWP provides the locations of soil borings, soil vapor points, indoor air/ambient air locations, and groundwater monitoring wells that will be sampled.

2. Project Organization and Responsibilities

This section defines the roles and responsibilities of the individuals who will perform the RIWP monitoring activities. A New York State Department of Health (NYSDOH)-certified analytical laboratory will perform the analyses of environmental samples collected at the Site.

2.1 MANAGEMENT RESPONSIBILITIES

The Project Manager is responsible for managing the implementation of the RIWP and monitoring and coordinating the collection of data. The Project Manager is responsible for technical quality control (QC) and project oversight. The Project Manager's responsibilities include the following:

- Acquire and apply technical and corporate resources as needed to ensure performance within budget and schedule restraints;
- Review work performed to ensure quality, responsiveness, and timeliness;
- Communicate with the client point of contact concerning the progress of the monitoring activities;
- Assure corrective actions are taken for deficiencies cited during audits of RIWP monitoring activities; and
- Overall Site Health and Safety Plan (HASP) compliance.

2.2 QUALITY ASSURANCE RESPONSIBILITIES

The Quality Assurance (QA) team will consist of a QA Officer and the Data Validation Staff. QA responsibilities are described as follows:

2.2.1 Quality Assurance (QA) Officer

The QA Officer reports directly to the Project Manager and will be responsible for overseeing the review of field and laboratory data. Additional responsibilities include the following:

- Assure the application and effectiveness of the QAPP by the analytical laboratory and the project staff;
- Provide input to the Project Manager as to corrective actions that may be required as a result of the above-mentioned evaluations; and
- Prepare and/or review data validation and audit reports.

The QA Officer will be assisted by the Data Validation taff in the evaluation and validation of field and laboratory-generated data.

2.2.2 Data Validation Staff

The Data Validation Staff will be independent of the laboratory and familiar with the analytical procedures performed. The validation will include a review of each validation criterion as prescribed by

the guidelines presented in Section 9.2 of this document and will be presented in a Data Usability Summary Report (DUSR) for submittal to the QA Officer.

2.3 LABORATORY RESPONSIBILITIES

Laboratory services in support of the RIWP monitoring include the following personnel:

2.3.1 Laboratory Project Manager

The Laboratory Project Manager will report directly to the QA Officer and Project Manager and will be responsible for ensuring all resources of the laboratory are available on an as-required basis. The Laboratory Project Manager will also be responsible for the approval of the final analytical reports.

2.3.2 Laboratory Operations Manager

The Laboratory Operations Manager will report to the Laboratory Project Manager and will be responsible for coordinating laboratory analysis, supervising in-house chain-of-custody reports, scheduling sample analyses, overseeing data review, and overseeing preparation of analytical reports.

2.3.3 Laboratory QA Officer

The Laboratory QA Officer will have sole responsibility for the review and validation of the analytical laboratory data. The Laboratory QA Officer will provide Case Narrative descriptions of any data quality issues encountered during the analyses conducted by the laboratory. The QA Officer will also define appropriate QA procedures, overseeing QA/QC documentation.

2.3.4 Laboratory Sample Custodian

The Laboratory Sample Custodian will report to the Laboratory Operations Manager and will be responsible for the following:

- Receive and inspect the incoming sample containers;
- Record the condition of the incoming sample containers;
- Sign appropriate documents;
- Verify chain-of-custody and its correctness;
- Notify the Project Manager and Operations Manager of sample receipt and inspection;
- Assign a unique identification number and enter each into the sample receiving log;
- Initiate transfer of samples to laboratory analytical sections; and
- Control and monitor access/storage of samples and extracts.

2.3.5 Laboratory Technical Personnel

The Laboratory Technical Staff will have the primary responsibility for the performance of sample analysis and the execution of the QA procedures developed to determine the data quality. These

activities will include the proper preparation and analysis of the project samples in accordance with the laboratory's Quality Assurance Manual (QAM) and associated Standard Operating Procedures (SOPs).

2.4 FIELD RESPONSIBILITIES

2.4.1 Field Coordinator

The Field Coordinator is responsible for the overall operation of the field team and reports directly to the Project Manager. The Field Coordinator works with the project Health & Safety Officer (HSO) to conduct operations in compliance with the project HASP. The Field Coordinator will facilitate communication and coordinate efforts between the Project Manager and the field team members.

Other responsibilities include the following:

- Develop and implement field-related work plans, ensuring schedule compliance, and adhering to management-developed project requirements;
- Coordinate and manage field staff;
- Perform field system audits;
- Oversee QC for technical data provided by the field staff;
- Prepare and approve text and graphics required for field team efforts;
- Coordinate and oversee technical efforts of subcontractors assisting the field team;
- Identify problems in the field, resolve difficulties in consultation with the Project QA Officer and Project Manager, and implement and document corrective action procedures; and
- Participate in preparation of the final reports.

2.4.2 Field Team Personnel

Field Team Personnel will be responsible for the following:

- Perform field activities as detailed in the RIWP and in compliance with the Field Sampling Plan (FSP) and QAPP.
- Immediately report any accidents and/or unsafe conditions to the Site HSO and take reasonable precautions to prevent injury.

3. Sampling Procedures

The FSP provides the SOPs for sampling required by the RIWP. Sampling will be conducted in general accordance with the NYSDEC Technical Guidance for Site Investigation and Remediation (Division of Environmental Remediation [DER]-10) and the Sampling, Analysis and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) under NYSDEC Part 375 Remedial Program when applicable.

3.1 SAMPLE CONTAINERS

Sample containers for each sampling task will be provided by the laboratory performing the analysis. The containers will be cleaned by the manufacturer to meet or exceed the analyte specifications established in the USEPA's "Specifications and Guidance for Obtaining Contaminant-Free Sample Containers," April 1992, OSWER Directive #9240.0-0.5A. Certificates of analysis for each lot of sample containers used will be maintained by the laboratory.

The appropriate sample containers, preservation method, maximum holding times, and handling requirements for each sampling task are provided in Table I.

3.2 SAMPLE LABELING

Each sample will be labeled with a unique sample identifier that will facilitate tracking and cross-referencing of sample information. Equipment rinse blank and field duplicate samples will also be numbered with a unique sample identifier to prevent analytical bias of field QC samples.

Refer to the FSP for the sample labeling procedures.

3.3 FIELD QC SAMPLE COLLECTION

3.3.1 Field Duplicate Sample Collection

3.3.1.1 Water Samples

Field duplicate samples will be collected by filling the first sample container to the proper level and sealing and then repeating for the second set of sample containers.

1. The samples are properly labeled as specified in Section 3.2.
2. Steps 1 through 4 are repeated for the bottles for each analysis. The samples are collected in order of decreasing analyte volatility as detailed in Section 3.3.1.
3. Chain-of-custody documents are executed.
4. The samples will be handled as specified in Table I.

3.3.1.2 Soil Samples

Soil field duplicates will be collected as specified in the following procedure:

1. Soils will be sampled directly from acetate liners.

2. Soil for VOC analysis will be removed from the sampling device as specified in the FSP.
3. Soil for non-VOC analysis will be removed from the sampling device and collected into clean laboratory-provided containers.

4. Custody Procedures

Sample custody is addressed in three parts: field sample collection, laboratory analysis, and final project files. Custody of a sample begins when it is collected by or transferred to an individual and ends when that individual relinquishes or disposes of the sample.

A sample is under custody if:

1. The item is in actual possession of a person;
2. The item is in the view of the person after being in actual possession of the person;
3. The item was in actual possession and subsequently stored to prevent tampering; or
4. The item is in a designated and identified secure area.

4.1 FIELD CUSTODY PROCEDURES

Field personnel will keep written records of field activities on applicable preprinted field forms or in a bound field notebook to record data collecting activities. These records will be written legibly in ink and will contain pertinent field data and observations. Entry errors or changes will be crossed out with a single line, dated, and initialed by the person making the correction. Field forms and notebooks will be periodically reviewed by the Field Coordinator.

The beginning of each entry in the logbook or preprinted field form will contain the following information:

- Date;
- Start time;
- Weather;
- Names of field personnel (including subcontractors);
- Level of personal protection used at the Site; and
- Names of all visitors and the purpose of their visit.

For each measurement and sample collected, the following information will be recorded:

- Detailed description of sample location;
- Equipment used to collect the sample or make the measurement and the date the equipment was calibrated;
- Time sample was collected;
- Description of the sample conditions;
- Depth sample was collected (if applicable);
- Volume and number of containers filled with the sample; and,

- Sampler's identification.

4.1.1 Field Procedures

The following procedure describes the process to maintain the integrity of the samples:

- Upon collection, samples are placed in the proper containers. In general, samples collected for organic analysis will be placed in pre-cleaned glass containers, and samples collected for inorganic analysis will be placed in pre-cleaned plastic (polyethylene) bottles. Refer to the FSP for sample packaging procedures.
- Samples will be assigned a unique sample number and will be affixed to a sample label. Refer to the FSP for sample labeling procedures.
- Samples will be properly and appropriately preserved by field personnel in order to minimize loss of the constituent(s) of interest due to physical, chemical, or biological mechanisms.
- Appropriate volumes will be collected to ensure that the appropriate reporting limits can be successfully achieved and that the required QC sample analyses can be performed.

4.1.2 Transfer of Custody and Shipment Procedures

- A chain-of-custody record will be completed at the time of sample collection and will accompany each shipment of project samples to the laboratory. The field personnel collecting the samples will be responsible for the custody of the samples until the samples are relinquished to the laboratory. Sample transfer will require the individuals relinquishing and receiving the samples to sign, date, and note the time of sample transfer on the chain of custody record.
- Samples will be shipped or delivered in a timely fashion to the laboratory so that holding times and/or analysis times as prescribed by the methodology can be met.
- Samples will be transported in containers (coolers) that will maintain the refrigeration temperature for those parameters for which refrigeration is required in the prescribed preservation protocols.
- Samples will be placed in an upright position and limited to one layer of samples per cooler. Additional bubble wrap or packaging material will be added to fill the cooler. Shipping containers will be secured with strapping tape and custody tape for shipment to the laboratory.
- When samples are split with the NYSDEC representatives, a separate chain-of-custody will be prepared and marked to indicate with whom the samples are shared. The person relinquishing the samples will require the representative's signature acknowledging sample receipt.
- Samples will be picked up by a laboratory courier or transported to the laboratory the same day they are collected, unless collected on a weekend or holiday. In these cases, the samples will be stored in a secure location until delivery to the laboratory. Additional ice will be added to the cooler as needed to maintain proper preservation temperatures.

4.2 LABORATORY CHAIN-OF-CUSTODY PROCEDURES

A Sample Custodian will be designated by the laboratory and will have the responsibility to receive all incoming samples. Once received, the custodian will document if the sample is received in good

condition (i.e., unbroken, cooled, etc.) and that the associated paperwork, such as chain-of-custody forms, has been completed. The custodian will sign the chain-of-custody forms.

The custodian will also document if sufficient sample volume has been received to complete the analytical program. The Sample Custodian will then place the samples into secure, limited-access storage (refrigerated storage, if required). The Sample Custodian will assign a unique number to each incoming sample for use in the laboratory. The unique number will then be entered into the sample-receiving log, with the verified time and date of receipt also noted.

Consistent with the analyses requested on the chain-of-custody form, analyses by the laboratory's analysts will begin in accordance with the appropriate methodologies. Samples will be removed from secure storage with internal chain-of-custody sign-out procedures followed.

4.3 STORAGE OF SAMPLES

Empty sample bottles will be returned to secure and limited-access storage after the available volume has been consumed by the analysis. Upon completion of the entire analytical work effort, samples will be disposed of by the Sample Custodian. The length of time that samples are held will be at least 30 days after reports have been submitted. Disposal of remaining samples will be completed in compliance with all federal, state, and local requirements.

4.4 FINAL PROJECT FILES CUSTODY PROCEDURES

The final project files will be the central repository for all documents with information relevant to sampling and analysis activities as described in this QAPP. The H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) Project Manager will be the custodian of the project file. The project files, including all relevant records, reports, logs, field notebooks, pictures, subcontractor reports, and data reviews, will be maintained in a secured, limited-access area and under custody of the Project Director or their designee.

The final project file will include the following:

- Project plans and drawings;
- Field data records;
- Sample identification documents and soil boring/monitoring well logs;
- All chain-of-custody documentation;
- Correspondence;
- References, literature;
- Laboratory data deliverables;
- Data validation and assessment reports;
- Progress reports, QA reports; and
- Final report.

The laboratory will be responsible for maintaining analytical logbooks, laboratory data, and sample chain of custody documents. Raw laboratory data files and copies of hard copy reports will be inventoried and maintained by the laboratory for a period of six years, at which time the laboratory will contact the Haley & Aldrich of New York Project Manager regarding the disposition of the project-related files.

5. Calibration Procedures and Frequency

5.1 FIELD INSTRUMENT CALIBRATION PROCEDURES

Several field instruments will be used for both on-site screening of samples and for health and safety monitoring, as described in the HASP. On-site air monitoring for health and safety purposes may be accomplished using a vapor detection device, such as a photoionization detector (PID).

Field instruments will be calibrated at the beginning of each day and checked during field activities to verify performance. Instrument-specific calibration procedures will be performed in accordance with the instrument manufacturer's requirements.

5.2 LABORATORY INSTRUMENT CALIBRATION PROCEDURES

Reference materials of known purity and quality will be utilized for the analysis of environmental samples. The laboratory will carefully monitor the preparation and use of reference materials, including solutions, standards, and reagents, through well-documented procedures.

All solid chemicals and acids/bases used by the laboratory will be rated as "reagent grade" or better. All gases will be "high" purity or better. All Standard Reference Materials (SRMs) or Performance Evaluation (PE) materials will be obtained from approved vendors of the National Institute of Standards and Technology (NIST, formerly National Bureau of Standards), the USEPA Environmental Monitoring Support Laboratories (EMSL), or reliable Cooperative Research and Development Agreement (CRADA)-certified commercial sources.

6. Analytical Procedures

Analytical procedures to be utilized for analysis of environmental samples will be based on referenced USEPA analytical protocols and/or project-specific SOP.

6.1 FIELD ANALYTICAL PROCEDURES

Field analytical procedures include the measurement of pH, temperature, ORP, DO, and specific conductivity during sampling of groundwater, and the qualitative measurement of VOCs during the collection of soil samples.

6.2 LABORATORY ANALYTICAL PROCEDURES

Laboratory analyses will be based on the USEPA methodology requirements promulgated in:

- "Test Methods for Evaluating Solid Waste," SW-846 EPA, Office of Solid Waste, and promulgated updates, 1986.

6.2.1 List of Project Target Compounds and Laboratory Detection Limits

The laboratory reporting limits (RLs) and associated method detection limits (MDLs) for the target analytes and compounds for the environmental media to be analyzed are presented in Table I. MDLs have been experimentally determined by the project laboratory using the method provided in 40 CFR, Part 136, Appendix B.

Laboratory parameters for soil samples are listed in the RIWP. Laboratory parameters for disposal samples will be determined by the disposal facility after an approved facility has been determined.

6.2.2 List of Method-Specific Quality Control (QC) Criteria

The laboratory SOPs include a section that presents the minimum QC requirements for the project analyses. Section 7.0 references the frequency of the associated QC samples for each sampling effort and matrix.

7. Internal Quality Control Checks

This section presents the internal QC checks that will be employed for field and laboratory measurements.

7.1 FIELD QUALITY CONTROL

7.1.1 Field Blanks

Internal QC checks will include analysis of field blanks to validate equipment cleanliness. Whenever possible, dedicated equipment will be employed to reduce the possibility of cross-contamination of samples.

7.1.2 Trip Blanks

Trip blanks samples will be prepared by the project laboratory using ASTM Type II or equivalent water placed within pre-cleaned 40-milliliter (mL) VOC vials equipped with Teflon™ septa. Trip blanks will accompany each sample delivery group (SDG) of environmental samples collected for analysis of VOCs.

Trip blank samples will be placed in each cooler that stores and transports project samples that are to be analyzed for VOCs.

7.2 LABORATORY PROCEDURES

Procedures which contribute to maintenance of overall laboratory QA/QC control include appropriately cleaned sample containers, proper sample identification and logging, applicable sample preservation, storage, and analysis within prescribed holding times, and use of controlled materials.

7.2.1 Field Duplicate Samples

The precision or reproducibility of the data generated will be monitored through the use of field duplicate samples. Field duplicate analysis will be performed at a frequency of one in 20 project samples.

Precision will be measured in terms of the absolute value of the relative percent difference (RPD) as expressed by the following equation:

$$RPD = [|R1-R2|/[(R1+R2)/2]] \; X \; 100\%$$

Acceptance criteria for duplicate analyses performed on solid matrices will be 100 percent, and aqueous matrices will be 35 percent. RPD values outside these limits will require an evaluation of the sampling and/or analysis procedures by the Project QA Officer and/or Laboratory QA Director. Corrective actions may include re-analysis of additional sample aliquots and/or qualification of the data for use.

7.2.2 Matrix Spike Samples

Ten percent of each project sample matrix for each analytical method performed will be spiked with known concentrations of the specific target compounds/analytes.

The amount of the compound recovered from the sample compared to the amount added will be expressed as a percent recovery. The percent recovery of an analyte is an indication of the accuracy of an analysis within the site-specific sample matrix. Percent recovery will be calculated for matrix spike/matrix spike duplicate (MS/MSD) using the following equation:

$$\%\ Recovery = \frac{Spiked\ Sample - Background}{Known\ Value\ of\ Spike} x100\%$$

If the QC value falls outside the upper or lower control limits (UCL or LCL) due to sample matrix effects, the results will be reported with appropriate data qualifiers. To determine the effect a non-compliant MS recovery has on the reported results, the recovery data will be evaluated as part of the validation process.

7.2.3 Laboratory Control Sample Analyses

The laboratory will perform laboratory control sample (LCS) analyses prepared from SRMs. The SRMs will be supplied from an independent manufacturer and traceable to NIST materials with known concentrations of each target analyte to be determined by the analytical methods performed. In cases where an independently supplied SRM is not available, the LCS may be prepared by the laboratory from a reagent lot other than that used for instrument calibration.

The laboratory will evaluate LCS analyses in terms of percent recovery using the most recent laboratory-generated control limits.

LCS recoveries that do not meet acceptance criteria will be deemed invalid. Analysis of project samples will cease until an acceptable LCS analysis has been performed. If sample analysis is performed in association with an out-of-control LCS sample analysis, the data will be deemed invalid.

Corrective actions will be initiated by the Haley & Aldrich of New York QA Officer and/or Laboratory QA Officer to investigate the problem. After the problem has been identified and corrected, the solution will be noted in the instrument run logbook, and re-analysis of project samples will be performed, if possible.

The analytical anomaly will be noted in the SDG Case Narrative and reviewed by the Data Validator. The Data Validator will confirm that appropriate corrective actions were implemented and recommend the applicable use of the affected data.

7.2.4 Surrogate Compound/Internal Standard Recoveries

For VOCs, surrogates will be added to each sample prior to analysis to establish purge and trap efficiency. Quantitation will be accomplished via internal standardization techniques.

The recovery of surrogate compounds and internal standards will be monitored by laboratory personnel to assess possible Site-specific matrix effects on instrument performance.

For semi-volatile organics analyses, surrogates will be added to the raw sample to assess extraction efficiency. Internal standards will be added to all sample extracts and instrument calibration standard immediately before analysis for quantitation via internal standardization techniques.

Method-specific QC limits are provided in the attached laboratory method SOPs. Surrogate compound/internal standard recoveries that do not fall within accepted QC limits for the analytical methodology performed will have the analytical results flagged with data qualifiers as appropriate by the laboratory and will not be noted in the laboratory report Case Narrative.

To ascertain the effect non-compliant surrogate compound/internal standard recoveries may have on the reported results, the recovery data will be evaluated as part of the validation process. The Data Validator will provide recommendations for corrective actions, including but not limited to additional data qualification.

7.2.5 Calibration Verification Standards

Calibration verification (CV) standards will be utilized to confirm instrument calibrations and performance throughout the analytical process. CV standards will be prepared as prescribed by the respective analytical protocols. Continuing calibration will be verified by compliance with method-specific criteria prior to additional analysis of project samples.

Non-compliant analysis of CV standards will require immediate corrective action by the project laboratory QA Officer and/or designated personnel. Corrective action may include re-analysis of each affected project sample, a detailed description of the problem, the corrective action undertaken, the person who performed the action, and the resolution of the problem.

7.2.6 Laboratory Method Blank Analyses

Method blank sample analysis will be performed as part of each analytical batch for each methodology. If target compounds are detected in the method blank samples, the reported results will be flagged by the laboratory in accordance with SOPs. The Data Validator will provide recommendations for corrective actions including but not limited to additional data qualification.

8. Data Quality Objectives

Sampling that will be performed as described in the RIWP is designed to produce data of the quality necessary to achieve the minimum standard requirements of the field and laboratory analytical objectives described below. These data are being obtained with the primary objective of assessing levels of contaminants of concern associated with the Site.

The overall project data quality objective (DQO) is to implement procedures for field data collection, sample collection, handling, and laboratory analysis and reporting that achieve the project objectives. The following section is a general discussion of the criteria that will be used to measure the achievement of the project DQO.

8.1 PRECISION

8.1.1 Definition

Precision is defined as a quantitative measure of the degree to which two or more measurements are in agreement. Precision will be determined by collecting and analyzing field duplicate samples and by creating and analyzing laboratory duplicates from one or more of the field samples. The overall precision of measurement data is a mixture of sampling and analytical factors. The analytical results from the field duplicate samples will provide data on sampling precision. The results from duplicate samples created by the laboratory will provide data on analytical precision. The measurement of precision will be stated in terms of RPD.

8.1.2 Field Precision Sample Objectives

Field precision will be assessed through the collection and measurement of field duplicate samples at a rate of one duplicate per 20 investigative samples. The RPD criteria for the project field duplicate samples will be +/- 100 percent for soil and +/- 35 percent for groundwater for parameters of analysis detected at concentrations greater than five times the laboratory RL.

8.1.3 Laboratory Precision Sample Objectives

Laboratory precision will be assessed through the analysis of LCS and laboratory control sample duplicates (LCSD) and MS/MSD samples for groundwater and soil samples, and the analysis of laboratory duplicate samples for air and soil vapor samples. Air and soil vapor laboratory duplicate sample analyses will be performed by analyzing the same Summa canister twice. The RPD criteria for the air/soil vapor laboratory duplicate samples will be +/- 35 percent for parameters of analysis detected at concentrations greater than five times the laboratory RL.

8.2 ACCURACY

8.2.1 Definition

Accuracy relates to the bias in a measurement system. Bias is the difference between the observed and the "true" value. Sources of error are the sampling process, field contamination, preservation techniques, sample handling, sample matrix, sample preparation, and analytical procedure limitations.

8.2.2 Field Accuracy Objectives

Sampling bias will be assessed by evaluating the results of field equipment rinse and trip blanks. Equipment rinse and trip blanks will be collected as appropriate based on sampling and analytical methods for each sampling effort.

If non-dedicated sampling equipment is used, equipment rinse blanks will be collected by passing ASTM Type II water over and/or through the respective sampling equipment utilized during each sampling effort. One equipment rinse blank will be collected for each type of non-dedicated sampling equipment used for the sampling effort. Equipment rinse blanks will be analyzed for each target parameter for the respective sampling effort for which environmental media have been collected.

Note: If dedicated or disposable sampling equipment is used, equipment rinse samples will not be collected as part of that field effort.

Trip blank samples will be prepared by the laboratory and provided with each shipping container, which includes containers for the collection of groundwater samples for the analysis of VOC. Trip blank samples will be analyzed for each VOC for which groundwater samples have been collected for analysis.

8.3 LABORATORY ACCURACY OBJECTIVES

Analytical bias will be assessed through the use of LCS and Site-specific MS sample analyses. LCS analyses will be performed with each analytical batch of project samples to determine the accuracy of the analytical system.

One set of MS/MSD analyses will be performed with each batch of 20 project samples collected for analysis to assess the accuracy of the identification and quantification of analytes within the Site-specific sample matrices. Additional sample volume will be collected at sample locations selected for the preparation of MS/MSD samples so that the standard laboratory RLs are achieved.

The accuracy of analyses that include a sample extraction procedure will be evaluated through the use of system monitoring or surrogate compounds. Surrogate compounds will be added to each sample, standard, blank, and QC sample prior to sample preparation and analysis. Surrogate compound percent recoveries will provide information on the effect of the sample matrix on the accuracy of the analyses.

8.4 REPRESENTATIVENESS

8.4.1 Definition

Representativeness expresses the degree to which sample data represent a characteristic of a population, a parameter variation at a sampling point, or an environmental condition. Representativeness is a qualitative parameter that is dependent upon the design of the sampling program. The representativeness criterion is satisfied through the proper selection of sampling locations, the quantity of samples, and the use of appropriate procedures to collect and analyze the samples.

8.4.2 Measures to Ensure Representativeness of Field Data

Representativeness will be addressed by prescribing sampling techniques and the rationale used to select sampling locations. Sampling locations may be biased (based on existing data, instrument surveys, observations, etc.) or unbiased (completely random or stratified-random approaches).

8.5 COMPLETENESS

8.5.1 Definition

Completeness is a measure of the amount of valid (usable) data obtained from a measuring system compared to the total amount anticipated to be obtained. The completeness goal for all data uses is that a sufficient amount of valid data be generated so that determinations can be made related to the intended data use with a sufficient degree of confidence.

8.5.2 Field Completeness Objectives

Completeness is a measure of the amount of valid measurements obtained from measurements taken in this project versus the number planned. Field completeness objective for this project will be greater than 90 percent.

8.5.3 Laboratory Completeness Objectives

Laboratory data completeness objective is a measure of the amount of valid data obtained from laboratory measurements. The evaluation of the data completeness will be performed at the conclusion of each sampling and analysis effort.

The completeness of the data generated will be determined by comparing the amount of valid data, based on independent validation, with the total laboratory data set. The completeness goal will be greater than 90 percent.

8.6 COMPARABILITY

8.6.1 Definition

Comparability is a qualitative parameter expressing the confidence with which one data set can be compared to another.

8.6.2 Measures to Ensure Comparability of Laboratory Data

Comparability of laboratory data will be measured from the analysis of SRMs obtained from either USEPA CRADA suppliers or NIST. The reported analytical data will also be presented in standard units of mass of contaminant within a known volume of environmental media. The standard units for various sample matrices are as follows:

- Solid Matrices – milligrams per kilogram (mg/kg) of media (Dry Weight).
- Aqueous Matrices – nanograms per liter (ng/L) for PFAS analyses, micrograms per liter (µg/L) of media for organic analyses, and milligrams per liter (mg/L) for inorganic analyses.

8.7 LEVEL OF QUALITY CONTROL EFFORT

If non-dedicated sampling equipment is used, equipment rinse blanks will be prepared by field personnel and submitted for analysis of target parameters. Equipment rinse blank samples will be analyzed to check for potential cross-contamination between sampling locations that may be introduced during the investigation. One equipment rinse blank will be collected per sampling event to the extent that non-dedicated sampling equipment is used.

If necessary, a separate equipment rinse blank sample will be collected for PFAS.

Note: If dedicated or disposable sampling equipment is used, equipment rinse samples will not be collected as part of that field effort.

Trip blanks will be used to assess the potential for contamination during sample storage and shipment. Trip blanks will be provided with the sample containers to be used for the collection of groundwater samples for the analysis of VOCs. Trip blanks will be preserved and handled in the same manner as the project samples. One trip blank will be included along with each shipping container containing project samples to be analyzed for VOC.

Method blank samples will be prepared by the laboratory and analyzed concurrently with all project samples to assess potential contamination introduced during the analytical process.

Field duplicate samples will be collected and analyzed to determine sampling and analytical reproducibility. One field duplicate will be collected for every 20 or fewer investigative samples collected for off-site laboratory analysis.

MS will provide information to assess the precision and accuracy of the analysis of the target parameters within the environmental media collected. One MS/MSD will be collected for every 20 or fewer investigative samples per sample matrix.

Note: Soil MS/MSD samples require triple sample volume for VOCs only. Aqueous MS/MSD samples require triple the normal sample volume for VOC analysis and double the volume for the remaining parameters.

9. Data Reduction, Validation, and Reporting

Data generated by the laboratory operation will be reduced and validated prior to reporting in accordance with the following procedures:

9.1 DATA REDUCTION

9.1.1 Field Data Reduction Procedures

Field data reduction procedures will be minimal in scope compared to those implemented in the laboratory setting. The pH, conductivity, temperature, turbidity, DO, ORP, and breathing zone VOC readings collected in the field will be generated from direct read instruments. The data will be written into field logbooks immediately after measurements are taken. If errors are made, data will be legibly crossed out, initialed and dated by the field member, and corrected in a space adjacent to the original entry.

9.1.2 Laboratory Data Reduction Procedures

Laboratory data reduction procedures are provided by the appropriate chapter of USEPA's "Test Methods for Evaluating Solid Waste," SW-846, Third Edition. Errors will be noted; corrections will be made with the original notations crossed out legibly. Analytical results for soil samples will be calculated and reported on a dry weight basis.

9.1.3 Quality Control Data

QC data (e.g., laboratory duplicates, surrogates, MS, and MSD) will be compared to the method acceptance criteria. Data determined to be acceptable will be entered into the laboratory information management system.

Unacceptable data will be appropriately qualified in the project report. Case Narratives will be prepared, which will include information concerning data that fell outside acceptance limits and any other anomalous conditions encountered during sample analysis.

9.2 DATA VALIDATION

Data validation procedures of the analytical data will be performed by the Haley & Aldrich of New York QA Officer or designee using the following documents as guidance for the review process:

- "U.S. EPA National Functional Guidelines for Organic Data Review," and the "U.S. EPA National Functional Guidelines for Inorganic Data Review."
- The specific data qualifiers used will be applied to the reported results as presented and defined in the USEPA National Functional Guidelines. Validation will be performed by qualified personnel at the direction of the Haley & Aldrich of New York QA Officer.
- The completeness of each data package will be evaluated by the Data Validator. Completeness checks will be administered on all data to determine that the deliverables are consistent with the NYSDEC Analytical Services Protocol (ASP) Category A and Category B data package

requirements. The validator will determine whether the required items are present and request copies of missing deliverables (if necessary) from the laboratory.

9.3 DATA REPORTING

Data reporting procedures will be carried out for field and laboratory operations as indicated below:

- Field Data Reporting: Field data reporting will be conducted principally through the transmission of report sheets containing tabulated results of measurements made in the field and documentation of field calibration activities.
- Laboratory Data Reporting: The laboratory data reporting package will enable data validation based on the protocols described above. The final laboratory data report format will include the QA/QC sample analysis deliverables to enable the development of a DUSR based on NYSDEC DER-10 Appendix 2B.

10. Performance and System Audits

A performance audit is an independent quantitative comparison with data routinely obtained in the field or the laboratory. Performance audits include two separate, independent parts: internal and external audits.

10.1 FIELD PERFORMANCE AND SYSTEM AUDITS

10.1.1 Internal Field Audit Responsibilities

Internal audits of field activities will be initiated at the discretion of the Project Manager and will include the review of sampling and field measurements. The audits will verify that all procedures are being followed. Internal field audits will be conducted periodically during the project. The audits will include examination of the following:

- Field sampling records, screening results, and instrument operating records;
- Sample collection;
- Handling and packaging in compliance with procedures;
- Maintenance of QA procedures; and
- Chain-of-custody reports.

10.1.2 External Field Audit Responsibilities

External audits may be conducted by the Project Coordinator at any time during the field operations. These audits may or may not be announced and are at the discretion of the NYSDEC. The external field audits can include (but are not limited to) the following:

- Sampling equipment decontamination procedures;
- Sample bottle preparation procedures;
- Sampling procedures;
- Examination of HASPs;
- Procedures for verification of field duplicates; and/or
- Field screening practices.

10.2 LABORATORY PERFORMANCE AND SYSTEM AUDITS

10.2.1 Internal Laboratory Audit Responsibilities

The laboratory system audits are typically conducted by the Laboratory QA Officer or designee on an annual basis. The system audit will include an examination of laboratory documentation, including sample receiving logs, sample storage, chain-of-custody procedures, sample preparation and analysis, and instrument operating records.

At the conclusion of internal system audits, reports will be provided to the laboratory's operating divisions for appropriate comment and remedial/corrective action where necessary. Records of audits and corrective actions will be maintained by the Laboratory QA Officer.

10.2.2 External Laboratory Audit Responsibilities

External audits will be conducted, as required, by the NYSDOH or designee. External audits may include any of the following:

- Review of laboratory analytical procedures;
- Laboratory on-site visits; and/or
- Submission of performance evaluation samples for analysis

Failure of any of the above audit procedures can lead to laboratory de-certification. An audit may consist of, but is not limited to:

- Sample receipt procedures;
- Custody, sample security, and log-in procedures;
- Review of instrument calibration logs;
- Review of QA procedures;
- Review of log books;
- Review of analytical SOPs; and/or
- Personnel interviews.

A review of a data package from samples recently analyzed by the laboratory can include (but not be limited to) the following:

- Comparison of resulting data to the SOP or Method;
- Verification of initial and continuing calibrations within control limits;
- Verification of surrogate recoveries and instrument timing results;
- Review of extended quantitation reports for comparisons of library spectra to instrument spectra, where applicable; and/or
- Assurance that samples are run within holding times.

11. Preventive Maintenance

11.1 FIELD INSTRUMENT PREVENTIVE MAINTENANCE

The field equipment preventive maintenance program is designed to ensure the effective completion of the sampling effort and to minimize equipment downtime. Program implementation is concentrated in three areas:

- Maintenance responsibilities;
- Maintenance schedules; and
- Inventory of critical spare parts and equipment.

The maintenance responsibilities for field equipment will be assigned to the task leaders in charge of specific field operations. Field personnel will be responsible for daily field checks and calibrations and for reporting any problems with the equipment. The maintenance schedule will follow the manufacturer's recommendations. In addition, the field personnel will be responsible for determining that an inventory of spare parts will be maintained with the field equipment. The inventory will primarily contain parts that are subject to frequent failure, have limited useful lifetimes, and/or cannot be obtained in a timely manner.

11.2 LABORATORY INSTRUMENT PREVENTIVE MAINTENANCE

Analytical instruments at the laboratory will undergo routine and/or preventive maintenance. The extent of the preventive maintenance will be a function of the complexity of the equipment.

Generally, annual preventive maintenance service will involve cleaning, adjusting, inspecting, and testing procedures designed to reduce instrument failure and/or extend useful instrument life. Between visits, routine operator maintenance and cleaning will be performed according to manufacturer's specifications by laboratory personnel.

12. Specific Routine Procedures Used to Assess Data Precision, Accuracy, and Completeness

12.1 FIELD MEASUREMENTS

Field-generated information will be reviewed by the Field Coordinator and typically includes evaluation of bound logbooks/forms, data entry, and calculation checks. Field data will be assessed by the Project Coordinator, who will review the field results for compliance with the established QC criteria that are specified in Section 7.0 of this QAPP. The accuracy of pH and specific conductance will be assessed using daily instrument calibration, calibration check, and blank data. Accuracy will be measured by determining the percent recovery (% R) of calibration check standards. Precision of the pH and specific conductance measurements will be assessed on the basis of the reproducibility of duplicate readings of a field sample and will be measured by determining the RPD. Accuracy and precision of the soil VOC screening will be determined using duplicate readings of calibration checks. Field data completeness will be calculated using the following equation:

$$Completeness = \frac{Valid\ (usable)\ Data\ Obtained}{Total\ Data\ Planned} \ X\ 100$$

12.2 LABORATORY DATA

Surrogate, internal standard, and MS recoveries will be used to evaluate data quality. The laboratory QA/QC program will include the following elements:

- Precision, in terms of RPD, will be determined by relative sample analysis at a frequency of one duplicate analysis for each batch of ten project samples or a frequency of 10 percent. RPD is defined as the absolute difference of duplicate measurements divided by the mean of these analyses, normalized to a percentage.
- Accuracy, in terms of percent recovery (recovery of known constituent additions or surrogate recoveries), will be determined by the analysis of spiked and unspiked samples. MS/MSD will be used to determine analytical accuracy. The frequency of MS/MSD analyses will be one project sample MS/MSD per set of 20 project samples.
- One method blank will be prepared and analyzed with each batch of project samples. The total number of method blank sample analyses will be determined by the laboratory analytical batch size.
- SRMs will be used for each analysis. Sources of SRMs include the USEPA, commercially available material from CRADA-certified vendors, and/or laboratory-produced solutions. SRMs, when available and appropriate, will be processed and analyzed on a frequency of one per set of samples.
- Completeness is the evaluation of the amount of valid data generated versus the total set of data produced from a particular sampling and analysis event. Valid data is determined by independent confirmation of compliance with method-specific and project-specific DQOs. The calculation of data set completeness will be performed by the following equation.

$$\frac{Number\ of\ Valid\ Sample\ Results}{Total\ Number\ of\ Samples\ Planned} X\ 100 = \%\ Complete$$

13. Quality Assurance Reports

Critically important to the successful implementation of the QAPP is a reporting system that provides the means by which the program can be reviewed, problems identified, and programmatic changes made to improve the plan.

QA reports to management can include:

- Audit reports: internal and external audits with responses
- Performance evaluation sample results: internal and external sources
- Daily QA/QC exception reports/corrective actions

QA/QC corrective action reports will be prepared by the Haley & Aldrich of New York QA Officer when appropriate and presented to the project and/or laboratory management personnel so that performance criteria can be monitored for all analyses from each analytical department. The updated trend/QA charts prepared by the laboratory QA personnel will be distributed and reviewed by various levels of the laboratory management.

References

1. New York State Department of Environmental Conservation, NYSDEC Analytical Services Protocol (ASP), Bureau of Environmental Investigation, 1991 with updates.

2. New York State Department of Environmental Conservation, NYSDEC, Division of Environmental Remediation, Technical Guidance for Site Investigation and Remediation, DER-10, May 2010.

3. New York State Department of Environmental Conservation, NYSDEC, Division of Environmental Remediation, Sampling, Analysis and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) under NYSDEC's Part 375 Remedial Programs, November 2022.

4. United States Environmental Protection Agency (1991). Preparation Aids for the Development of Category I Quality Assurance Project Plans. U.S. EPA/600/8-91/003, Risk Reduction Engineering Laboratory, Office of Research and Development, Cincinnati, Ohio, February 1991.

5. United States Environmental Protection Agency (1992). Specifications and Guidance for Contaminant-Free Sample Containers. OSWER Directive 9240.0-05A, April 1992.

6. United States Environmental Protection Agency (1993). Data Quality Objectives Process for Superfund Interim Final Guidance. U.S. EPA/540/R-93-071, Office of Solid Waste and Emergency Response (OSWER), September 1993.

7. United States Environmental Protection Agency (1999). EPA Requirements for Quality Assurance Project Plans for Environmental Data Operations. EPA QA/R-5 Interim Final, November 1999.

8. United States Environmental Protection Agency. Test Methods for Evaluating Solid Waste, Office of Solid Waste, U.S. EPA, SW-846, November 1986, with updates.

9. United States Environmental Protection Agency. U.S. EPA National Functional Guidelines for Organic Data Review. U.S. EPA 540/R-2017-002.

10. United States Environmental Protection Agency. U.S. EPA National Functional Guidelines for Organic Data Review. U.S. EPA 540/R-2017-001.

TABLE

TABLE I
SUMMARY OF ANALYSIS METHOD, PRESERVATION METHOD, HOLDING TIME, SAMPLE SIZE REQUIREMENTS AND SAMPLE CONTAINERS
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
8-01 AND 8-51 26TH AVENUE
QUEENS, NEW YORK

Analysis/Method	Sample Type	Preservation	Holding Time	Volume/Weight	Container
Volatile Organic Compounds/8260C	Soil	1 - 1 Vial MeOH/2 Vial Water, Cool, 4 ± 2 °C	14 days[1]	120 mL	3 - 40ml glass vials
Semivolatile Organic Compounds/8270D	Soil	Cool, 4 ± 2 °C	14 days	250 mL	1 - 8 oz Glass
Metals/6010C	Soil	Cool, 4 ± 2 °C	180 days	60 mL	1 - 2 oz Glass
Polychlorinated Biphenyls/8082A	Soil	Cool, 4 ± 2 °C	14 days	250 mL	1 - 8 oz Glass
Pesticides (8081B)	Soil	Cool, 4 ± 2 °C	14 days	250 mL	1 - 8 oz Glass
PFAS 1633	Soil	Cool, 4 ± 2 °C	14 days	250 mL	1 - 8 oz Glass
1,4-Dioxane 8270	Soil	Cool, 4 ± 2 °C	14 days	250 mL	1 - 8 oz Glass
Volatile Organic Compounds/8260B	Groundwater	HCl, Cool, 4 ± 2 °C	14 days	120 mL	3 - 40ml glass vials
Semivolatile Organic Compounds/8270C	Groundwater	Cool, 4 ± 2 °C	7 days	500 mL	2 - 250 mL amber glass
TAL Metals 6010/7471	Groundwater	HNO_3Cool, 4 ± 2 °C	180 days	500 mL	1 - 500 mL plastic bottle
Polychlorinated Biphenyls/8082	Groundwater	Cool, 4 ± 2 °C	365 days	2000 mL	2 - 1000 mL amber glass
Pesticides (8081B)	Groundwater	Cool, 4 ± 2 °C	7 days	1000 mL	2 - 500 mL amber glass
PFAS 1633	Groundwater	H2O Cool, 4 ± 2 °C	14 days	500 mL	2 - Teflon free 250 ml plastic containers
1,4-Dioxane 8270D	Groundwater	Cool, 4 ± 2 °C	7 days	500 mL	1 - 500 mL plastic bottle
Volatile Organic Compounds/TO-15	Soil Vapor	N/A	30 days	2.7 - 6 L	1 2.7 or 6 L Summa Canister

Notes:
1. Terracores and encores must be frozen within 48 hours of collection
2. Refer to text for additional information.

APPENDIX D
NYSDEC Emerging Contaminant Field Sampling Guidance

NEW YORK STATE OF OPPORTUNITY.

Department of Environmental Conservation

SAMPLING, ANALYSIS, AND ASSESSMENT OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)

Under NYSDEC's Part 375 Remedial Programs

April 2023

www.dec.ny.gov

Table of Contents

Objective 1
Applicability 1
Field Sampling Procedures 1
Analysis and Reporting 2
Routine Analysis 2
Additional Analysis 2
Data Assessment and Application to Site Cleanup 3
Water Sample Results 3
Soil Sample Results 3
Testing for Imported Soil 4
Appendix A - Quality Assurance Project Plan (QAPP) Guidelines for PFAS 5
Appendix B - Sampling Protocols for PFAS in Soils, Sediments and Solids 6
Appendix C - Sampling Protocols for PFAS in Monitoring Wells 8
Appendix D - Sampling Protocols for PFAS in Surface Water 10
Appendix E - Sampling Protocols for PFAS in Private Water Supply Wells 12
Appendix F - Sampling Protocols for PFAS in Fish 14
Appendix G - PFAS Analyte List 22
Appendix H - Data Review Guidelines for Analysis of PFAS in Non-Potable Water and Solids 24

ERRATA SHEET for

SAMPLING, ANALYSIS, AND ASSESSMENT OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) Under NYSDEC's Part 375 Remedial Programs Issued January 17, 2020

Citation and Page Number	Current Text	Corrected Text	Date
Title of Appendix I, page 32	Appendix H	Appendix I	2/25/2020
Document Cover, page 1	Guidelines for Sampling and Analysis of PFAS	Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs	9/15/2020
Data Assessment and Application to Site Cleanup Page 3	Until such time as Ambient Water Quality Standards (AWQS) and Soil Cleanup Objectives (SCOs) for PFOA and PFOS are published	Until such time as Soil Cleanup Objectives (SCOs) for PFOA and PFOS are published	3/28/2023
Water Sample Results Page 3	PFOA and PFOS should be further assessed and considered as potential contaminants of concern in groundwater or surface water if PFOA or PFOS is detected in any water sample at or above 10 ng/L (ppt) and is determined to be attributable to the site, either by a comparison of upgradient and downgradient levels, or the presence of soil source areas, as defined below.	NYSDEC has adopted ambient water quality guidance values for PFOA and PFOS. Groundwater samples should be compared to the human health criteria of 6.7 ng/l (ppt) for PFOA and 2.7 ng/l (ppt) for PFOS. These guidance values also include criteria for surface water for PFOS applicable for aquatic life, which may be applicable at some sites. Drinking water sample results should be compared to the NYS maximum contaminant level (MCL) of 10 ng/l (ppt).Analysis to determine if PFOA and PFOS concentrations are attributable to the site should include a comparison between upgradient and downgradient levels, and the presence of soil source areas, as defined below.	3/28/2023
Soil Sample Results Page 3	Soil cleanup objectives for PFOA and PFOS have been proposed in an upcoming revision to 6 NYCRR Part 375-6. Until SCOs are in effect, the following are to be used as guidance values:	NYSDEC will delay adding soil cleanup objectives for PFOA and PFOS to 6 NYCRR Part 375-6 until the PFAS rural soil background study has been completed. Until SCOs are in effect, the following are to be used as guidance values:	3/28/2023
Protection of Groundwater Page 3	PFOA (ppb) 1.1 PFOS (ppb) 3.7	PFOA (ppb) 0.8 PFOS (ppb) 1.0	3/28/2023

Citation and Page Number	Current Text	Corrected Text	Date
Footnote 2 Page 3	The movement of PFAS in the environment is being aggressively researched at this time; that research will eventually result in more accurate models for the behaviors of these chemicals. In the meantime, DEC has calculated the guidance value for the protection of groundwater using the same procedure used for all other chemicals, as described in Section 7.7 of the Technical Support Document (http://www.dec.ny.gov/docs/remediation_hudson_pdf/techsuppdoc.pdf).	The Protection of Groundwater values are based on the above referenced ambient groundwater guidance values. Details on that calculation are available in the following document, prepared for the February 2022 proposed changes to Part 375 (https://www.dec.ny.gov/docs/remediation_hudson_pdf/part375techsupport.pdf). The movement of PFAS in the environment is being aggressively researched at this time; that research will eventually result in more accurate models for the behaviors of these chemicals. In the meantime, DEC has calculated the guidance value for the protection of groundwater using the same procedure used for all other chemicals, as described in Section 7.7 of the Technical Support Document (http://www.dec.ny.gov/docs/remediation_hudson_pdf/techsuppdoc.pdf).	3/28/2023
Testing for Imported Soil Page 4	If the concentrations of PFOA and PFOS in leachate are at or above 10 ppt (the Maximum Contaminant Levels established for drinking water by the New York State Department of Health), then the soil is not acceptable.	If the concentrations of PFOA and PFOS in leachate are at or above the ambient water quality guidance values for groundwater, then the soil is not acceptable.	3/28/2023
Routine Analysis, page 9	"However, laboratories analyzing environmental samples…PFOA and PFOS in drinking water by EPA Method 537, 537.1 or ISO 25101."	"However, laboratories analyzing environmental samples…PFOA and PFOS in drinking water by EPA Method 537, 537.1, ISO 25101, or Method 533."	9/15/2020
Additional Analysis, page 9, new paragraph regarding soil parameters	None	"In cases where site-specific cleanup objectives for PFOA and PFOS are to be assessed, soil parameters, such as Total Organic Carbon (EPA Method 9060), soil pH (EPA Method 9045), clay content (percent), and cation exchange capacity (EPA Method 9081), should be included in the analysis to help evaluate factors affecting the leachability of PFAS in site soils."	9/15/2020

Citation and Page Number	Current Text	Corrected Text	Date
Data Assessment and Application to Site Cleanup Page 10	Until such time as Ambient Water Quality Standards (AWQS) and Soil Cleanup Objectives (SCOs) for PFAS are published, the extent of contaminated media potentially subject to remediation should be determined on a case-by-case basis using the procedures discussed below and the criteria in DER-10. Target levels for cleanup of PFAS in other media, including biota and sediment, have not yet been established by the DEC.	Until such time as Ambient Water Quality Standards (AWQS) and Soil Cleanup Objectives (SCOs) for PFOA and PFOS are published, the extent of contaminated media potentially subject to remediation should be determined on a case-by-case basis using the procedures discussed below and the criteria in DER-10. Preliminary target levels for cleanup of PFOA and PFOS in other media, including biota and sediment, have not yet been established by the DEC.	9/15/2020
Water Sample Results Page 10	PFAS should be further assessed and considered as a potential contaminant of concern in groundwater or surface water (…) If PFAS are identified as a contaminant of concern for a site, they should be assessed as part of the remedy selection process in accordance with Part 375 and DER-10.	PFOA and PFOS should be further assessed and considered as potential contaminants of concern in groundwater or surface water (…) If PFOA and/or PFOS are identified as contaminants of concern for a site, they should be assessed as part of the remedy selection process in accordance with Part 375 and DER-10.	9/15/2020

Citation and Page Number	Current Text	Corrected Text	Date
Soil Sample Results, page 10	"The extent of soil contamination for purposes of delineation and remedy selection should be determined by having certain soil samples tested by Synthetic Precipitation Leaching Procedure (SPLP) and the leachate analyzed for PFAS. Soil exhibiting SPLP results above 70 ppt for either PFOA or PFOS (individually or combined) are to be evaluated during the cleanup phase."	"Soil cleanup objectives for PFOA and PFOS will be proposed in an upcoming revision to 6 NYCRR Part 375-6. Until SCOs are in effect, the following are to be used as guidance values. " [Interim SCO Table] "PFOA and PFOS results for soil are to be compared against the guidance values listed above. These guidance values are to be used in determining whether PFOA and PFOS are contaminants of concern for the site and for determining remedial action objectives and cleanup requirements. Site-specific remedial objectives for protection of groundwater can also be presented for evaluation by DEC. Development of site-specific remedial objectives for protection of groundwater will require analysis of additional soil parameters relating to leachability. These additional analyses can include any or all the parameters listed above (soil pH, cation exchange capacity, etc.) and/or use of SPLP. As the understanding of PFAS transport improves, DEC welcomes proposals for site-specific remedial objectives for protection of groundwater. DEC will expect that those may be dependent on additional factors including soil pH, aqueous pH, % organic carbon, % Sand/Silt/Clay, soil cations: K, Ca, Mg, Na, Fe, Al, cation exchange capacity, and anion exchange capacity. Site-specific remedial objectives should also consider the dilution attenuation factor (DAF). The NJDEP publication on DAF can be used as a reference: https://www.nj.gov/dep/srp/guidance/rs/daf.pdf. "	9/15/2020

Citation and Page Number	Current Text	Corrected Text	Date
Testing for Imported Soil Page 11	Soil imported to a site for use in a soil cap, soil cover, or as backfill is to be tested for PFAS in general conformance with DER-10, Section 5.4(e) for the PFAS Analyte List (Appendix F) using the analytical procedures discussed below and the criteria in DER-10 associated with SVOCs. If PFOA or PFOS is detected in any sample at or above 1 µg/kg, then soil should be tested by SPLP and the leachate analyzed for PFAS. If the SPLP results exceed 10 ppt for either PFOA or PFOS (individually) then the source of backfill should be rejected, unless a site-specific exemption is provided by DER. SPLP leachate criteria is based on the Maximum Contaminant Levels proposed for drinking water by New York State's Department of Health, this value may be updated based on future Federal or State promulgated regulatory standards. Remedial parties have the option of analyzing samples concurrently for both PFAS in soil and in the SPLP leachate to minimize project delays. Category B deliverables should be submitted for backfill samples, though a DUSR is not required.	Testing for PFAS should be included any time a full TAL/TCL analyte list is required. Results for PFOA and PFOS should be compared to the applicable guidance values. If PFOA or PFOS is detected in any sample at or above the guidance values then the source of backfill should be rejected, unless a site-specific exemption is provided by DER based on SPLP testing, for example. If the concentrations of PFOA and PFOS in leachate are at or above 10 ppt (the Maximum Contaminant Levels established for drinking water by the New York State Department of Health), then the soil is not acceptable. PFOA, PFOS and 1,4-dioxane are all considered semi-volatile compounds, so composite samples are appropriate for these compounds when sampling in accordance with DER-10, Table 5.4(e)10. Category B deliverables should be submitted for backfill samples, though a DUSR is not required.	9/15/2020

Citation and Page Number	Current Text	Corrected Text	Date
Footnotes	None	[1] TOP Assay analysis of highly contaminated samples, such as those from an AFFF (aqueous film-forming foam) site, can result in incomplete oxidation of the samples and an underestimation of the total perfluoroalkyl substances. [2] The movement of PFAS in the environment is being aggressively researched at this time; that research will eventually result in more accurate models for the behaviors of these chemicals. In the meantime, DEC has calculated the soil cleanup objective for the protection of groundwater using the same procedure used for all other chemicals, as described in Section 7.7 of the Technical Support Document (http://www.dec.ny.gov/docs/remediation_hudson_pdf/techsuppdoc.pdf).	9/15/2020
Additional Analysis, page 9	In cases… soil parameters, such as Total Organic Carbon (EPA Method 9060), soil…	In cases… soil parameters, such as Total Organic Carbon (Lloyd Kahn), soil…	1/8/2021
Appendix A, General Guidelines, fourth bullet	List the ELAP-approved lab(s) to be used for analysis of samples	List the ELAP- certified lab(s) to be used for analysis of samples	1/8/2021
Appendix E, Laboratory Analysis and Containers	Drinking water samples collected using this protocol are intended to be analyzed for PFAS by ISO Method 25101.	Drinking water samples collected using this protocol are intended to be analyzed for PFAS by EPA Method 537, 537.1, 533, or ISO Method 25101	1/8/2021
Water Sample Results Page 9	"In addition, further assessment of water may be warranted if either of the following screening levels are met: a. any other individual PFAS (not PFOA or PFOS) is detected in water at or above 100 ng/L; or b. total concentration of PFAS (including PFOA and PFOS) is detected in water at or above 500 ng/L"	Deleted	6/15/2021

Citation and Page Number	Current Text	Corrected Text	Date
Routine Analysis, Page XX	Currently, New York State Department of Health's Environmental Laboratory Approval Program (ELAP)… criteria set forth in the DER's laboratory guidelines for PFAS in non-potable water and solids (Appendix H - Laboratory Guidelines for Analysis of PFAS in Non-Potable Water and Solids).	Deleted	5/31/2022
Analysis and Reporting, Page XX	As of October 2020, the United States Environmental Protection Agency (EPA) does not have a validated method for analysis of PFAS for media commonly analyzed under DER remedial programs (non-potable waters, solids). DER has developed the following guidelines to ensure consistency in analysis and reporting of PFAS.	Deleted	5/31/2022
Routine Analysis, Page XX	LC-MS/MS analysis for PFAS using methodologies based on EPA Method 537.1 is the procedure to use for environmental samples. Isotope dilution techniques should be utilized for the analysis of PFAS in all media.	EPA Method 1633 is the procedure to use for environmental samples.	
Soil Sample Results, Page XX	Soil cleanup objectives for PFOA and PFOS will be proposed in an upcoming revision to 6 NYCRR Part 375-6	Soil cleanup objectives for PFOA and PFOS have been proposed in an upcoming revision to 6 NYCRR Part 375-6	
Appendix A	"Include in the text… LC-MS/MS for PFAS using methodologies based on EPA Method 537.1"	"Include in the text ….EPA Method 1633"	
Appendix A	"Laboratory should have ELAP certification for PFOA and PFOS in drinking water by EPA Method 537, 537.1, EPA Method 533, or ISO 25101"	Deleted	
Appendix B	"Samples collected using this protocol are intended to be analyzed for PFAS using methodologies based on EPA Method 537.1"	"Samples collected using this protocol are intended to be analyzed for PFAS using EPA Method 1633"	

Citation and Page Number	Current Text	Corrected Text	Date
Appendix C	"Samples collected using this protocol are intended to be analyzed for PFAS using methodologies based on EPA Method 537.1"	"Samples collected using this protocol are intended to be analyzed for PFAS using EPA Method 1633"	
Appendix D	"Samples collected using this protocol are intended to be analyzed for PFAS using methodologies based on EPA Method 537.1"	"Samples collected using this protocol are intended to be analyzed for PFAS using EPA Method 1633"	
Appendix G		Updated to include all forty PFAS analytes in EPA Method 533	
Appendix H		Deleted	
Appendix I	Appendix I	Appendix H	
Appendix H	"These guidelines are intended to be used for the validation of PFAS analytical results for projects within the Division of Environmental Remediation (DER) as well as aid in the preparation of a data usability summary report."	"These guidelines are intended to be used for the validation of PFAS using EPA Method 1633 for projects within the Division of Environmental Remediation (DER)."	
Appendix H	"The holding time is 14 days…"	"The holding time is 28 days…"	
Appendix H, Initial Calibration	"The initial calibration should contain a minimum of five standards for linear fit…"	"The initial calibration should contain a minimum of six standards for linear fit…"	
Appendix H, Initial Calibration	Linear fit calibration curves should have an R^2 value greater than 0.990.	Deleted	
Appendix H, Initial Calibration Verification	Initial Calibration Verification Section	Deleted	
Appendix H	secondary Ion Monitoring Section	Deleted	
Appendix H	Branched and Linear Isomers Section	Deleted	

Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs

Objective

New York State Department of Environmental Conservation's Division of Environmental Remediation (DER) performs or oversees sampling of environmental media and subsequent analysis of PFAS as part of remedial programs implemented under 6 NYCRR Part 375. To ensure consistency in sampling, analysis, reporting, and assessment of PFAS, DER has developed this document which summarizes currently accepted procedures and updates previous DER technical guidance pertaining to PFAS.

Applicability

All work plans submitted to DEC pursuant to one of the remedial programs under Part 375 shall include PFAS sampling and analysis procedures that conform to the guidelines provided herein.

As part of a site investigation or remedial action compliance program, whenever samples of potentially affected media are collected and analyzed for the standard Target Analyte List/Target Compound List (TAL/TCL), PFAS analysis should also be performed. Potentially affected media can include soil, groundwater, surface water, and sediment. Based upon the potential for biota to be affected, biota sampling and analysis for PFAS may also be warranted as determined pursuant to a Fish and Wildlife Impact Analysis. Soil vapor sampling for PFAS is not required.

Field Sampling Procedures

DER-10 specifies technical guidance applicable to DER's remedial programs. Given the prevalence and use of PFAS, DER has developed "best management practices" specific to sampling for PFAS. As specified in DER-10 Chapter 2, quality assurance procedures are to be submitted with investigation work plans. Typically, these procedures are incorporated into a work plan, or submitted as a stand-alone document (e.g., a Quality Assurance Project Plan). Quality assurance guidelines for PFAS are listed in Appendix A - Quality Assurance Project Plan (QAPP) Guidelines for PFAS.

Field sampling for PFAS performed under DER remedial programs should follow the appropriate procedures outlined for soils, sediments, or other solids (Appendix B), non-potable groundwater (Appendix C), surface water (Appendix D), public or private water supply wells (Appendix E), and fish tissue (Appendix F).

QA/QC samples (e.g. duplicates, MS/MSD) should be collected as specified in DER-10, Section 2.3(c). For sampling equipment coming in contact with aqueous samples only, rinsate or equipment blanks should be collected. Equipment blanks should be collected at a minimum frequency of one per day per site or one per twenty samples, whichever is more frequent.

Analysis and Reporting

The investigation work plan should describe analysis and reporting procedures, including laboratory analytical procedures for the methods discussed below. As specified in DER-10 Section 2.2, laboratories should provide a full Category B deliverable. In addition, a Data Usability Summary Report (DUSR) should be prepared by an independent, third-party data validator. Electronic data submissions should meet the requirements provided at: https://www.dec.ny.gov/chemical/62440.html.

DER has developed a *PFAS Analyte List* (Appendix G) for remedial programs to understand the nature of contamination at sites. It is expected that reported results for PFAS will include, at a minimum, all the compounds listed. If lab and/or matrix specific issues are encountered for any analytes, the DER project manager, in consultation with the DER chemist, will make case-by-case decisions as to whether certain analytes may be temporarily or permanently discontinued from analysis at each site. As with other contaminants that are analyzed for at a site, the *PFAS Analyte List* may be refined for future sampling events based on investigative findings.

Routine Analysis

EPA Method 1633 is the procedure to use for environmental samples. Reporting limits for PFOA and PFOS in aqueous samples should not exceed 2 ng/L. Reporting limits for PFOA and PFOS in solid samples should not exceed 0.5 µg/kg. Reporting limits for all other PFAS in aqueous and solid media should be as close to these limits as possible. If laboratories indicate that they are not able to achieve these reporting limits for the entire *PFAS Analyte List*, site-specific decisions regarding acceptance of elevated reporting limits for specific PFAS can be made by the DER project manager in consultation with the DER chemist. Data review guidelines were developed by DER to ensure data comparability and usability (Appendix H - Data Review Guidelines for Analysis of PFAS in Non-Potable Water and Solids).

Additional Analysis

Additional laboratory methods for analysis of PFAS may be warranted at a site, such as the Synthetic Precipitation Leaching Procedure (SPLP) and Total Oxidizable Precursor Assay (TOP Assay).

In cases where site-specific cleanup objectives for PFOA and PFOS are to be assessed, soil parameters, such as Total Organic Carbon (Lloyd Kahn), soil pH (EPA Method 9045), clay content (percent), and cation exchange capacity (EPA Method 9081), should be included in the analysis to help evaluate factors affecting the leachability of PFAS in site soils.

SPLP is a technique used to determine the mobility of chemicals in liquids, soils and wastes, and may be useful in determining the need for addressing PFAS-containing material as part of the remedy. SPLP by EPA Method 1312 should be used unless otherwise specified by the DER project manager in consultation with the DER chemist.

Impacted materials can be made up of PFAS that are not analyzable by routine analytical methodology. A TOP Assay can be utilized to conceptualize the amount and type of oxidizable PFAS which could be liberated in the environment, which approximates the maximum concentration of perfluoroalkyl substances that could be generated if all polyfluoroalkyl substances were oxidized. For example, some polyfluoroalkyl substances may degrade or transform to form perfluoroalkyl substances (such as PFOA or PFOS), resulting in an increase in perfluoroalkyl substance concentrations as contaminated groundwater moves away from a source. The TOP Assay converts, through oxidation, polyfluoroalkyl substances (precursors) into perfluoroalkyl substances that can be detected by routine analytical methodology.[1]

[1] TOP Assay analysis of highly contaminated samples, such as those from an AFFF (aqueous film-forming foam) site, can result in incomplete oxidation of the samples and an underestimation of the total perfluoroalkyl substances.

Commercial laboratories have adopted methods which allow for the quantification of targeted PFAS in air and biota. The EPA's Office of Research and Development (ORD) is currently developing methods which allow for air emissions characterization of PFAS, including both targeted and non-targeted analysis of PFAS. Consult with the DER project manager and the DER chemist for assistance on analyzing biota/tissue and air samples.

Data Assessment and Application to Site Cleanup

Until such time as Soil Cleanup Objectives (SCOs) for PFOA and PFOS are published, the extent of contaminated media potentially subject to remediation should be determined on a case-by-case basis using the procedures discussed below and the criteria in DER-10. Preliminary target levels for cleanup of PFOA and PFOS in other media, including biota and sediment, have not yet been established by the DEC.

Water Sample Results

NYSDEC has adopted ambient water quality guidance values for PFOA and PFOS. Groundwater samples should be compared to the human health criteria of 6.7 ng/l (ppt) for PFOA and 2.7 ng/l (ppt) for PFOS. These human health criteria should also be applied to surface water that is used as a water supply. This guidance also includes criteria for surface water for PFOS applicable for aquatic life, which may be applicable at some sites. Drinking water sample results should be compared to the NYS maximum contaminant level (MCL) of 10 ng/l (ppt). Analysis to determine if PFOA and PFOS concentrations are attributable to the site should include a comparison between upgradient and downgradient levels, and the presence of soil source areas, as defined below.

If PFOA and/or PFOS are identified as contaminants of concern for a site, they should be assessed as part of the remedy selection process in accordance with Part 375 and DER-10.

Soil Sample Results

NYSDEC will delay adding soil cleanup objectives for PFOA and PFOS to 6 NYCRR Part 375-6 until the PFAS rural soil background study has been completed. Until SCOs are in effect, the following are to be used as guidance values:

Guidance Values for Anticipated Site Use	PFOA (ppb)	PFOS (ppb)
Unrestricted	0.66	0.88
Residential	6.6	8.8
Restricted Residential	33	44
Commercial	500	440
Industrial	600	440
Protection of Groundwater[2]	0.8	1.0

PFOA and PFOS results for soil are to be compared against the guidance values listed above. These guidance values are to be used in determining whether PFOA and PFOS are contaminants of concern for the site and for determining remedial action objectives and cleanup requirements. Site-specific remedial objectives for protection of groundwater can also be presented for evaluation by DEC. Development of site-specific remedial objectives for protection of groundwater will require analysis of additional soil parameters relating to leachability. These

[2] The Protection of Groundwater values are based on the above referenced ambient groundwater guidance values. Details on that calculation are available in the following document, prepared for the February 2022 proposed changes to Part 375 (https://www.dec.ny.gov/docs/remediation_hudson_pdf/part375techsupport.pdf). The movement of PFAS in the environment is being aggressively researched at this time; that research will eventually result in more accurate models for the behaviors of these chemicals. In the meantime, DEC has calculated the guidance value for the protection of groundwater using the same procedure used for all other chemicals, as described in Section 7.7 of the Technical Support Document (http://www.dec.ny.gov/docs/remediation_hudson_pdf/techsuppdoc.pdf).

additional analyses can include any or all the parameters listed above (soil pH, cation exchange capacity, etc.) and/or use of SPLP.

As the understanding of PFAS transport improves, DEC welcomes proposals for site-specific remedial objectives for protection of groundwater. DEC will expect that those may be dependent on additional factors including soil pH, aqueous pH, % organic carbon, % Sand/Silt/Clay, soil cations: K, Ca, Mg, Na, Fe, Al, cation exchange capacity, and anion exchange capacity. Site-specific remedial objectives should also consider the dilution attenuation factor (DAF). The NJDEP publication on DAF can be used as a reference: https://www.nj.gov/dep/srp/guidance/rs/daf.pdf.

Testing for Imported Soil

Testing for PFAS should be included any time a full TAL/TCL analyte list is required. Results for PFOA and PFOS should be compared to the applicable guidance values. If PFOA or PFOS is detected in any sample at or above the guidance values then the source of backfill should be rejected, unless a site-specific exemption is provided by DER based on SPLP testing, for example. If the concentrations of PFOA and PFOS in leachate are at or above the ambient water quality guidance values for groundwater, then the soil is not acceptable.

PFOA, PFOS and 1,4-dioxane are all considered semi-volatile compounds, so composite samples are appropriate for these compounds when sampling in accordance with DER-10, Table 5.4(e)10. Category B deliverables should be submitted for backfill samples, though a DUSR is not required.

Appendix A - Quality Assurance Project Plan (QAPP) Guidelines for PFAS

The following guidelines (general and PFAS-specific) can be used to assist with the development of a QAPP for projects within DER involving sampling and analysis of PFAS.

General Guidelines in Accordance with DER-10

- Document/work plan section title – Quality Assurance Project Plan
- Summarize project scope, goals, and objectives
- Provide project organization including names and resumes of the project manager, Quality Assurance Officer (QAO), field staff, and Data Validator
    - The QAO should not have another position on the project, such as project or task manager, that involves project productivity or profitability as a job performance criterion
- List the ELAP certified lab(s) to be used for analysis of samples
- Include a site map showing sample locations
- Provide detailed sampling procedures for each matrix
- Include Data Quality Usability Objectives
- List equipment decontamination procedures
- Include an "Analytical Methods/Quality Assurance Summary Table" specifying:
    - Matrix type
    - Number or frequency of samples to be collected per matrix
    - Number of field and trip blanks per matrix
    - Analytical parameters to be measured per matrix
    - Analytical methods to be used per matrix with minimum reporting limits
    - Number and type of matrix spike and matrix spike duplicate samples to be collected
    - Number and type of duplicate samples to be collected
    - Sample preservation to be used per analytical method and sample matrix
    - Sample container volume and type to be used per analytical method and sample matrix
    - Sample holding time to be used per analytical method and sample matrix
- Specify Category B laboratory data deliverables and preparation of a DUSR

Specific Guidelines for PFAS

- Include in the text that sampling for PFAS will take place
- Include in the text that PFAS will be analyzed by EPA Method 1633
- Include the list of PFAS compounds to be analyzed (*PFAS Analyte List*)
- Include the laboratory SOP for PFAS analysis
- List the minimum method-achievable Reporting Limits for PFAS
    - Reporting Limits should be less than or equal to:
        - Aqueous – 2 ng/L (ppt)
        - Solids – 0.5 µg/kg (ppb)
- Include the laboratory Method Detection Limits for the PFAS compounds to be analyzed
-
- Include detailed sampling procedures
    - Precautions to be taken
    - Pump and equipment types
    - Decontamination procedures
    - Approved materials only to be used
- Specify that regular ice only will be used for sample shipment
- Specify that equipment blanks should be collected at a minimum frequency of 1 per day per site for each matrix

Appendix B - Sampling Protocols for PFAS in Soils, Sediments and Solids

General

The objective of this protocol is to give general guidelines for the collection of soil, sediment and other solid samples for PFAS analysis. The sampling procedure used should be consistent with Sampling Guidelines and Protocols – Technological Background and Quality Control/Quality Assurance for NYS DEC Spill Response Program – March 1991 (http://www.dec.ny.gov/docs/remediation_hudson_pdf/sgpsect5.pdf), with the following limitations.

Laboratory Analysis and Containers

Samples collected using this protocol are intended to be analyzed for PFAS using EPA Method 1633.

The preferred material for containers is high density polyethylene (HDPE). Pre-cleaned sample containers, coolers, sample labels, and a chain of custody form will be provided by the laboratory.

Equipment

Acceptable materials for sampling include stainless steel, HDPE, PVC, silicone, acetate, and polypropylene. Additional materials may be acceptable if pre-approved by New York State Department of Environmental Conservation's Division of Environmental Remediation.

No sampling equipment components or sample containers should come in to contact with aluminum foil, low density polyethylene, glass, or polytetrafluoroethylene (PTFE, Teflon™) materials including sample bottle cap liners with a PTFE layer.

A list of acceptable equipment is provided below, but other equipment may be considered appropriate based on sampling conditions.

- stainless steel spoon
- stainless steel bowl
- steel hand auger or shovel without any coatings

Equipment Decontamination

Standard two step decontamination using detergent (Alconox is acceptable) and clean, PFAS-free water will be performed for sampling equipment. All sources of water used for equipment decontamination should be verified in advance to be PFAS-free through laboratory analysis or certification.

Sampling Techniques

Sampling is often conducted in areas where a vegetative turf has been established. In these cases, a pre-cleaned trowel or shovel should be used to carefully remove the turf so that it may be replaced at the conclusion of sampling. Surface soil samples (e.g. 0 to 6 inches below surface) should then be collected using a pre-cleaned, stainless steel spoon. Shallow subsurface soil samples (e.g. 6 to ~36 inches below surface) may be collected by digging a hole using a pre-cleaned hand auger or shovel. When the desired subsurface depth is reached, a pre-cleaned hand auger or spoon shall be used to obtain the sample.

When the sample is obtained, it should be deposited into a stainless steel bowl for mixing prior to filling the sample containers. The soil should be placed directly into the bowl and mixed thoroughly by rolling the material into the middle until the material is homogenized. At this point the material within the bowl can be placed into the laboratory provided container.

Sample Identification and Logging

A label shall be attached to each sample container with a unique identification. Each sample shall be included on the chain of custody (COC).

Quality Assurance/Quality Control

- Immediately place samples in a cooler maintained at 4 ± 2º Celsius using ice
- Collect one field duplicate for every sample batch, minimum 1 duplicate per 20 samples. The duplicate shall consist of an additional sample at a given location
- Collect one matrix spike / matrix spike duplicate (MS/MSD) for every sample batch, minimum 1 MS/MSD per 20 samples. The MS/MSD shall consist of an additional two samples at a given location and identified on the COC
- Request appropriate data deliverable (Category B) and an electronic data deliverable

Documentation

A soil log or sample log shall document the location of the sample/borehole, depth of the sample, sampling equipment, duplicate sample, visual description of the material, and any other observations or notes determined to be appropriate. Additionally, care should be performed to limit contact with PFAS containing materials (e.g. waterproof field books, food packaging) during the sampling process.

Personal Protection Equipment (PPE)

For most sampling Level D PPE is anticipated to be appropriate. The sampler should wear nitrile gloves while conducting field work and handling sample containers.

Field staff shall consider the clothing to be worn during sampling activities. Clothing that contains PTFE material (including GORE-TEX®) or that have been waterproofed with PFAS materials should be avoided. All clothing worn by sampling personnel should have been laundered multiple times.

Appropriate rain gear (PVC, polyurethane, or rubber rain gear are acceptable), bug spray, and sunscreen should be used that does not contain PFAS. Well washed cotton coveralls may be used as an alternative to bug spray and/or sunscreen.

PPE that contains PFAS is acceptable when site conditions warrant additional protection for the samplers and no other materials can be used to be protective. Documentation of such use should be provided in the field notes.

Appendix C - Sampling Protocols for PFAS in Monitoring Wells

General

The objective of this protocol is to give general guidelines for the collection of groundwater samples for PFAS analysis. The sampling procedure used should be consistent with Sampling Guidelines and Protocols – Technological Background and Quality Control/Quality Assurance for NYS DEC Spill Response Program – March 1991 (http://www.dec.ny.gov/docs/remediation_hudson_pdf/sgpsect5.pdf), with the following limitations.

Laboratory Analysis and Container

Samples collected using this protocol are intended to be analyzed for PFAS using EPA Method 1633.

The preferred material for containers is high density polyethylene (HDPE). Pre-cleaned sample containers, coolers, sample labels, and a chain of custody form will be provided by the laboratory.

Equipment

Acceptable materials for sampling include: stainless steel, HDPE, PVC, silicone, acetate, and polypropylene. Additional materials may be acceptable if pre-approved by New York State Department of Environmental Conservation's Division of Environmental Remediation.

No sampling equipment components or sample containers should come in contact with aluminum foil, low density polyethylene, glass, or polytetrafluoroethylene (PTFE, Teflon™) materials including plumbers tape and sample bottle cap liners with a PTFE layer.

A list of acceptable equipment is provided below, but other equipment may be considered appropriate based on sampling conditions.

- stainless steel inertia pump with HDPE tubing
- peristaltic pump equipped with HDPE tubing and silicone tubing
- stainless steel bailer with stainless steel ball
- bladder pump (identified as PFAS-free) with HDPE tubing

Equipment Decontamination

Standard two step decontamination using detergent (Alconox is acceptable) and clean, PFAS-free water will be performed for sampling equipment. All sources of water used for equipment decontamination should be verified in advance to be PFAS-free through laboratory analysis or certification.

Sampling Techniques

Monitoring wells should be purged in accordance with the sampling procedure (standard/volume purge or low flow purge) identified in the site work plan, which will determine the appropriate time to collect the sample. If sampling using standard purge techniques, additional purging may be needed to reduce turbidity levels, so samples contain a limited amount of sediment within the sample containers. Sample containers that contain sediment may cause issues at the laboratory, which may result in elevated reporting limits and other issues during the sample preparation that can compromise data usability. Sampling personnel should don new nitrile gloves prior to sample collection due to the potential to contact PFAS containing items (not related to the sampling equipment) during the purging activities.

Sample Identification and Logging

A label shall be attached to each sample container with a unique identification. Each sample shall be included on the chain of custody (COC).

Quality Assurance/Quality Control

- Immediately place samples in a cooler maintained at 4 ± 2º Celsius using ice
- Collect one field duplicate for every sample batch, minimum 1 duplicate per 20 samples. The duplicate shall consist of an additional sample at a given location
- Collect one matrix spike / matrix spike duplicate (MS/MSD) for every sample batch, minimum 1 MS/MSD per 20 samples. The MS/MSD shall consist of an additional two samples at a given location and identified on the COC
- Collect one equipment blank per day per site and minimum 1 equipment blank per 20 samples. The equipment blank shall test the new and decontaminated sampling equipment utilized to obtain a sample for residual PFAS contamination. This sample is obtained by using laboratory provided PFAS-free water and passing the water over or through the sampling device and into laboratory provided sample containers
- Additional equipment blank samples may be collected to assess other equipment that is utilized at the monitoring well
- Request appropriate data deliverable (Category B) and an electronic data deliverable

Documentation

A purge log shall document the location of the sample, sampling equipment, groundwater parameters, duplicate sample, visual description of the material, and any other observations or notes determined to be appropriate. Additionally, care should be performed to limit contact with PFAS containing materials (e.g. waterproof field books, food packaging) during the sampling process.

Personal Protection Equipment (PPE)

For most sampling Level D PPE is anticipated to be appropriate. The sampler should wear nitrile gloves while conducting field work and handling sample containers.

Field staff shall consider the clothing to be worn during sampling activities. Clothing that contains PTFE material (including GORE-TEX®) or that have been waterproofed with PFAS materials should be avoided. All clothing worn by sampling personnel should have been laundered multiple times.

Appropriate rain gear (PVC, polyurethane, or rubber rain gear are acceptable), bug spray, and sunscreen should be used that does not contain PFAS. Well washed cotton coveralls may be used as an alternative to bug spray and/or sunscreen.

PPE that contains PFAS is acceptable when site conditions warrant additional protection for the samplers and no other materials can be used to be protective. Documentation of such use should be provided in the field notes.

Appendix D - Sampling Protocols for PFAS in Surface Water

General

The objective of this protocol is to give general guidelines for the collection of surface water samples for PFAS analysis. The sampling procedure used should be consistent with Sampling Guidelines and Protocols – Technological Background and Quality Control/Quality Assurance for NYS DEC Spill Response Program – March 1991 (http://www.dec.ny.gov/docs/remediation_hudson_pdf/sgpsect5.pdf), with the following limitations.

Laboratory Analysis and Container

Samples collected using this protocol are intended to be analyzed for PFAS using EPA Method 1633.

The preferred material for containers is high density polyethylene (HDPE). Pre-cleaned sample containers, coolers, sample labels, and a chain of custody form will be provided by the laboratory.

Equipment

Acceptable materials for sampling include: stainless steel, HDPE, PVC, silicone, acetate, and polypropylene. Additional materials may be acceptable if pre-approved by New York State Department of Environmental Conservation's Division of Environmental Remediation.

No sampling equipment components or sample containers should come in contact with aluminum foil, low density polyethylene, glass, or polytetrafluoroethylene (PTFE, Teflon™) materials including sample bottle cap liners with a PTFE layer.

A list of acceptable equipment is provided below, but other equipment may be considered appropriate based on sampling conditions.

- stainless steel cup

Equipment Decontamination

Standard two step decontamination using detergent (Alconox is acceptable) and clean, PFAS-free water will be performed for sampling equipment. All sources of water used for equipment decontamination should be verified in advance to be PFAS-free through laboratory analysis or certification.

Sampling Techniques

Where conditions permit, (e.g. creek or pond) sampling devices (e.g. stainless steel cup) should be rinsed with site medium to be sampled prior to collection of the sample. At this point the sample can be collected and poured into the sample container.

If site conditions permit, samples can be collected directly into the laboratory container.

Sample Identification and Logging

A label shall be attached to each sample container with a unique identification. Each sample shall be included on the chain of custody (COC).

Quality Assurance/Quality Control

- Immediately place samples in a cooler maintained at 4 ± 2º Celsius using ice
- Collect one field duplicate for every sample batch, minimum 1 duplicate per 20 samples. The duplicate shall consist of an additional sample at a given location
- Collect one matrix spike / matrix spike duplicate (MS/MSD) for every sample batch, minimum 1 MS/MSD per 20 samples. The MS/MSD shall consist of an additional two samples at a given location and identified on the COC
- Collect one equipment blank per day per site and minimum 1 equipment blank per 20 samples. The equipment blank shall test the new and decontaminated sampling equipment utilized to obtain a sample for residual PFAS contamination. This sample is obtained by using laboratory provided PFAS-free water and passing the water over or through the sampling device and into laboratory provided sample containers
- Request appropriate data deliverable (Category B) and an electronic data deliverable

Documentation

A sample log shall document the location of the sample, sampling equipment, duplicate sample, visual description of the material, and any other observations or notes determined to be appropriate. Additionally, care should be performed to limit contact with PFAS containing materials (e.g. waterproof field books, food packaging) during the sampling process.

Personal Protection Equipment (PPE)

For most sampling Level D PPE is anticipated to be appropriate. The sampler should wear nitrile gloves while conducting field work and handling sample containers.

Field staff shall consider the clothing to be worn during sampling activities. Clothing that contains PTFE material (including GORE-TEX®) or that have been waterproofed with PFAS materials should be avoided. All clothing worn by sampling personnel should have been laundered multiple times.

Appropriate rain gear (PVC, polyurethane, or rubber rain gear are acceptable), bug spray, and sunscreen should be used that does not contain PFAS. Well washed cotton coveralls may be used as an alternative to bug spray and/or sunscreen.

PPE that contains PFAS is acceptable when site conditions warrant additional protection for the samplers and no other materials can be used to be protective. Documentation of such use should be provided in the field notes.

Appendix E - Sampling Protocols for PFAS in Private Water Supply Wells

General

The objective of this protocol is to give general guidelines for the collection of water samples from private water supply wells (with a functioning pump) for PFAS analysis. The sampling procedure used should be consistent with Sampling Guidelines and Protocols – Technological Background and Quality Control/Quality Assurance for NYS DEC Spill Response Program – March 1991 (http://www.dec.ny.gov/docs/remediation_hudson_pdf/sgpsect5.pdf), with the following limitations.

Laboratory Analysis and Container

Drinking water samples collected using this protocol are intended to be analyzed for PFAS by EPA Method 537, 537.1, 533, or ISO Method 25101. The preferred material for containers is high density polyethylene (HDPE). Pre-cleaned sample containers, coolers, sample labels, and a chain of custody form will be provided by the laboratory.

Equipment

Acceptable materials for sampling include stainless steel, HDPE, PVC, silicone, acetate, and polypropylene. Additional materials may be acceptable if pre-approved by New York State Department of Environmental Conservation's Division of Environmental Remediation.

No sampling equipment components or sample containers should come in contact with aluminum foil, low density polyethylene, glass, or polytetrafluoroethylene (PTFE, Teflon™) materials (e.g. plumbers tape), including sample bottle cap liners with a PTFE layer.

Equipment Decontamination

Standard two step decontamination using detergent (Alconox is acceptable) and clean, PFAS-free water will be performed for sampling equipment. All sources of water used for equipment decontamination should be verified in advance to be PFAS-free through laboratory analysis or certification.

Sampling Techniques

Locate and assess the pressure tank and determine if any filter units are present within the building. Establish the sample location as close to the well pump as possible, which is typically the spigot at the pressure tank. Ensure sampling equipment is kept clean during sampling as access to the pressure tank spigot, which is likely located close to the ground, may be obstructed and may hinder sample collection.

Prior to sampling, a faucet downstream of the pressure tank (e.g., washroom sink) should be run until the well pump comes on and a decrease in water temperature is noted which indicates that the water is coming from the well. If the homeowner is amenable, staff should run the water longer to purge the well (15+ minutes) to provide a sample representative of the water in the formation rather than standing water in the well and piping system including the pressure tank. At this point a new pair of nitrile gloves should be donned and the sample can be collected from the sample point at the pressure tank.

Sample Identification and Logging

A label shall be attached to each sample container with a unique identification. Each sample shall be included on the chain of custody (COC).

Quality Assurance/Quality Control

- Immediately place samples in a cooler maintained at 4 ± 2º Celsius using ice
- Collect one field duplicate for every sample batch, minimum 1 duplicate per 20 samples. The duplicate shall consist of an additional sample at a given location
- Collect one matrix spike / matrix spike duplicate (MS/MSD) for every sample batch, minimum 1 MS/MSD per 20 samples. The MS/MSD shall consist of an additional two samples at a given location and identified on the COC
- If equipment was used, collect one equipment blank per day per site and a minimum 1 equipment blank per 20 samples. The equipment blank shall test the new and decontaminated sampling equipment utilized to obtain a sample for residual PFAS contamination. This sample is obtained by using laboratory provided PFAS-free water and passing the water over or through the sampling device and into laboratory provided sample containers.
- A field reagent blank (FRB) should be collected at a rate of one per 20 samples. The lab will provide a FRB bottle containing PFAS free water and one empty FRB bottle. In the field, pour the water from the one bottle into the empty FRB bottle and label appropriately.
- Request appropriate data deliverable (Category B) and an electronic data deliverable
- For sampling events where multiple private wells (homes or sites) are to be sampled per day, it is acceptable to collect QC samples at a rate of one per 20 across multiple sites or days.

Documentation

A sample log shall document the location of the private well, sample point location, owner contact information, sampling equipment, purge duration, duplicate sample, visual description of the material, and any other observations or notes determined to be appropriate and available (e.g. well construction, pump type and location, yield, installation date). Additionally, care should be performed to limit contact with PFAS containing materials (e.g. waterproof field books, food packaging) during the sampling process.

Personal Protection Equipment (PPE)

For most sampling Level D PPE is anticipated to be appropriate. The sampler should wear nitrile gloves while conducting field work and handling sample containers.

Field staff shall consider the clothing to be worn during sampling activities. Clothing that contains PTFE material (including GORE-TEX®) or that have been waterproofed with PFAS materials should be avoided. All clothing worn by sampling personnel should have been laundered multiple times.

Appendix F - Sampling Protocols for PFAS in Fish

This appendix contains a copy of the current SOP developed by the Division of Fish and Wildlife (DFW) entitled "General Fish Handling Procedures for Contaminant Analysis" (Ver. 8). This SOP should be followed when collecting fish for contaminant analysis. Note, however, that the Bureau of Ecosystem Health will not be supplying bags or tags. All supplies are the responsibility of the collector

Procedure Name: General Fish Handling Procedures for Contaminant Analysis

Number: FW-005

Purpose: This procedure describes data collection, fish processing and delivery of fish collected for contaminant monitoring. It contains the chain of custody and collection record forms that should be used for the collections.

Organization: Environmental Monitoring Section
Bureau of Ecosystem Health
Division of Fish and Wildlife (DFW)
New York State Department of Environmental Conservation (NYSDEC)
625 Broadway
Albany, New York 12233-4756

Version: 8

Previous Version Date: 21 March 2018

Summary of Changes to this Version: Updated bureau name to Bureau of Ecosystem Health. Added direction to list the names of all field crew on the collection record. Minor formatting changes on chain of custody and collection records.

Originator or Revised by: Wayne Richter, Jesse Becker

Date: 26 April 2019

Quality Assurance Officer and Approval Date: Jesse Becker, 26 April 2019

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

GENERAL FISH HANDLING PROCEDURES FOR CONTAMINANT ANALYSES

A. Original copies of all continuity of evidence (i.e., Chain of Custody) and collection record forms must accompany delivery of fish to the lab. A copy shall be directed to the Project Leader or as appropriate, Wayne Richter. All necessary forms will be supplied by the Bureau of Ecosystem Health. Because some samples may be used in legal cases, it is critical that each section is filled out completely. Each Chain of Custody form has three main sections:

   1. The top box is to be filled out **and signed** by the person responsible for the fish collection (e.g., crew leader, field biologist, researcher). This person is responsible for delivery of the samples to DEC facilities or personnel (e.g., regional office or biologist).

   2. The second section is to be filled out **and signed** by the person responsible for the collections while being stored at DEC, before delivery to the analytical lab. This may be the same person as in (1), but it is still required that they complete the section. Also important is the **range of identification numbers** (i.e., tag numbers) included in the sample batch.

   3. Finally, the bottom box is to record any transfers between DEC personnel and facilities. Each subsequent transfer should be **identified, signed, and dated**, until laboratory personnel take possession of the fish.

B. The following data are required on each **Fish Collection Record** form:

   1. Project and Site Name.

   2. DEC Region.

   3. All personnel (and affiliation) involved in the collection.

   4. Method of collection (gill net, hook and line, etc.)

   5. Preservation Method.

C. The following data are to be taken on each fish collected and recorded on the **Fish Collection Record** form:

   1. Tag number - Each specimen is to be individually jaw tagged at time of collection with a unique number. Make sure the tag is turned out so that the number can be read without opening the bag. Use tags in sequential order. For small fish or composite samples place the tag inside the bag with the samples. The Bureau of Ecosystem Health can supply the tags.

   2. Species identification (please be explicit enough to enable assigning genus and species). Group fish by species when processing.

   3. Date collected.

   4. Sample location (waterway and nearest prominent identifiable landmark).

   5. Total length (nearest mm or smallest sub-unit on measuring instrument) and weight (nearest g or

smallest sub-unit of weight on weighing instrument). Take all measures as soon as possible with calibrated, protected instruments (e.g. from wind and upsets) and prior to freezing.

6. Sex - fish may be cut enough to allow sexing or other internal investigation, but do not eviscerate. Make any incision on the right side of the belly flap or exactly down the midline so that a left-side fillet can be removed.

D. General data collection recommendations:

1. It is helpful to use an ID or tag number that will be unique. It is best to use metal striped bass or other uniquely numbered metal tags. If uniquely numbered tags are unavailable, values based on the region, water body and year are likely to be unique: for example, R7CAY11001 for Region 7, Cayuga Lake, 2011, fish 1. If the fish are just numbered 1 through 20, we have to give them new numbers for our database, making it more difficult to trace your fish to their analytical results and creating an additional possibility for errors.

2. Process and record fish of the same species sequentially. Recording mistakes are less likely when all fish from a species are processed together. Starting with the bigger fish species helps avoid missing an individual.

3. If using Bureau of Ecosystem Health supplied tags or other numbered tags, use tags in sequence so that fish are recorded with sequential Tag Numbers. This makes data entry and login at the lab and use of the data in the future easier and reduces keypunch errors.

4. Record length and weight as soon as possible after collection and before freezing. Other data are recorded in the field upon collection. An age determination of each fish is optional, but if done, it is recorded in the appropriate “Age” column.

5. For composite samples of small fish, record the number of fish in the composite in the Remarks column. Record the length and weight of each individual in a composite. All fish in a composite sample should be of the same species and members of a composite should be visually matched for size.

6. Please submit photocopies of topographic maps or good quality navigation charts indicating sampling locations. GPS coordinates can be entered in the Location column of the collection record form in addition to or instead for providing a map. These records are of immense help to us (and hopefully you) in providing documented location records which are not dependent on memory and/or the same collection crew. In addition, they may be helpful for contaminant source trackdown and remediation/control efforts of the Department.

7. When recording data on fish measurements, it will help to ensure correct data recording for the data recorder to call back the numbers to the person making the measurements.

E. Each fish is to be placed in its own individual plastic bag. For small fish to be analyzed as a composite, put all of the fish for one composite in the same bag but use a separate bag for each composite. It is important to individually bag the fish to avoid difficulties or cross contamination when processing the fish for chemical analysis. Be sure to include the fish’s tag number inside the bag, preferably attached to the fish with the tag number turned out so it can be read. Tie or otherwise secure the bag closed. **The Bureau of Ecosystem Health will supply the bags.** If necessary, food grade bags may be procured from a suitable vendor (e.g., grocery store). It is preferable to redundantly label each bag with a manila tag tied between the knot and the body of the bag. This tag should be labeled with the project name, collection location, tag number, collection date, and fish species. If scales are collected, the scale envelope should be labeled with

the same information.

F. Groups of fish, by species, are to be placed in one large plastic bag per sampling location. **The Bureau of Ecosystem Health will supply the larger bags.** Tie or otherwise secure the bag closed. Label the site bag with a manila tag tied between the knot and the body of the bag. The tag should contain: project, collection location, collection date, species and **tag number ranges**. Having this information on the manila tag enables lab staff to know what is in the bag without opening it.

G. Do not eviscerate, fillet or otherwise dissect the fish unless specifically asked to. If evisceration or dissection is specified, the fish must be cut along the exact midline or on the right side so that the left side fillet can be removed intact at the laboratory. If filleting is specified, the procedure for taking a standard fillet (SOP PREPLAB 4) must be followed, including removing scales.

H. Special procedures for PFAS: Unlike legacy contaminants such as PCBs, which are rarely found in day to day life, PFAS are widely used and frequently encountered. Practices that avoid sample contamination are therefore necessary. While no standard practices have been established for fish, procedures for water quality sampling can provide guidance. The following practices should be used for collections when fish are to be analyzed for PFAS:

No materials containing Teflon.
No Post-it notes.
No ice packs; only water ice or dry ice.
Any gloves worn must be powder free nitrile.
No Gore-Tex or similar materials (Gore-Tex is a PFC with PFOA used in its manufacture).
No stain repellent or waterproof treated clothing; these are likely to contain PFCs.
Avoid plastic materials, other than HDPE, including clipboards and waterproof notebooks.
Wash hands after handling any food containers or packages as these may contain PFCs.
Keep pre-wrapped food containers and wrappers isolated from fish handling.
Wear clothing washed at least six times since purchase.
Wear clothing washed without fabric softener.
Staff should avoid cosmetics, moisturizers, hand creams and similar products on the day of sampling as many of these products contain PFCs (Fujii et al. 2013). Sunscreen or insect repellent should not contain ingredients with “fluor” in their name. Apply any sunscreen or insect repellent well downwind from all materials. Hands must be washed after touching any of these products.

I. All fish must be kept at a temperature <45° F (<8° C) immediately following data processing. As soon as possible, freeze at -20° C ± 5° C. Due to occasional freezer failures, daily freezer temperature logs are required. The freezer should be locked or otherwise secured to maintain chain of custody.

J. In most cases, samples should be delivered to the Analytical Services Unit at the Hale Creek field station. Coordinate delivery with field station staff and send copies of the collection records, continuity of evidence forms and freezer temperature logs to the field station. For samples to be analyzed elsewhere, non-routine collections or other questions, contact Wayne Richter, Bureau of Ecosystem Health, NYSDEC, 625 Broadway, Albany, New York 12233-4756, 518-402-8974, or the project leader about sample transfer. Samples will then be directed to the analytical facility and personnel noted on specific project descriptions.

K. A recommended equipment list is at the end of this document.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF FISH AND WILDLIFE
FISH COLLECTION RECORD

Project and Site Name _____ DEC Region _____

Collections made by (include all crew) _____

Sampling Method: □Electrofishing □Gill netting □Trap netting □Trawling □Seining □Angling □Other _____

Preservation Method: □Freezing □Other _____ Notes (SWFDB survey number): _____

FOR LAB USE ONLY- LAB ENTRY NO.	COLLECTION OR TAG NO.	SPECIES	DATE TAKEN	LOCATION	AGE	SEX &/OR REPROD. CONDIT	LENGTH ( )	WEIGHT ( )	REMARKS

richter: revised 2011, 5/7/15, 10/4/16, 3/20/17; becker: 3/23/17, 4/26/19

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CHAIN OF CUSTODY

I, _____, of _____ collected the
(Print Name) (Print Business Address)

following on _____, 20____ from _____
(Date) (Water Body)

in the vicinity of _____
(Landmark, Village, Road, etc.)

Town of _____, in _____ County.

Item(s) _____

_____

Said sample(s) were in my possession and handled according to standard procedures provided to me prior to collection. The sample(s) were placed in the custody of a representative of the New York State Department of Environmental Conservation on _____, 20_____.

_____ _____
Signature Date

I, _____, received the above mentioned sample(s) on the date specified and assigned identification number(s) _____ to the sample(s). I have recorded pertinent data for the sample(s) on the attached collection records. The sample(s) remained in my custody until subsequently transferred, prepared or shipped at times and on dates as attested to below.

_____ _____
Signature Date

SECOND RECIPIENT (Print Name)	TIME & DATE	PURPOSE OF TRANSFER
SIGNATURE	UNIT	
THIRD RECIPIENT (Print Name)	TIME & DATE	PURPOSE OF TRANSFER
SIGNATURE	UNIT	
FOURTH RECIPIENT (Print Name)	TIME & DATE	PURPOSE OF TRANSFER
SIGNATURE	UNIT	
RECEIVED IN LABORATORY BY (Print Name)	TIME & DATE	REMARKS
SIGNATURE	UNIT	
LOGGED IN BY (Print Name)	TIME & DATE	ACCESSION NUMBERS
SIGNATURE	UNIT	

richter: revised 21 April 2014; becker: 23 March 2017, 26 April, 2019

NOTICE OF WARRANTY

By signature to the chain of custody (reverse), the signatory warrants that the information provided is truthful and accurate to the best of his/her ability. The signatory affirms that he/she is willing to testify to those facts provided and the circumstances surrounding the same. Nothing in this warranty or chain of custody negates responsibility nor liability of the signatories for the truthfulness and accuracy of the statements provided.

HANDLING INSTRUCTIONS

On day of collection, collector(s) name(s), address(es), date, geographic location of capture (attach a copy of topographic map or navigation chart), species, number kept of each species, and description of capture vicinity (proper noun, if possible) along with name of Town and County must be indicated on reverse.

Retain organisms in manila tagged plastic bags to avoid mixing capture locations. Note appropriate information on each bag tag.

Keep samples as cool as possible. Put on ice if fish cannot be frozen within 12 hours. If fish are held more than 24 hours without freezing, they will not be retained or analyzed.

Initial recipient (either DEC or designated agent) of samples from collector(s) is responsible for obtaining and recording information on the collection record forms which will accompany the chain of custody. This person will seal the container using packing tape and writing his signature, the time and the date across the tape onto the container with indelible marker. Any time a seal is broken, for whatever purpose, the incident must be recorded on the Chain of Custody (reason, time, and date) in the purpose of transfer block. Container then is resealed using new tape and rewriting signature, with time and date.

EQUIPMENT LIST

Scale or balance of appropriate capacity for the fish to be collected.

Fish measuring board.

Plastic bags of an appropriate size for the fish to be collected and for site bags.

Individually numbered metal tags for fish.

Manila tags to label bags.

Small envelops, approximately 2” x 3.5”, if fish scales are to be collected.

Knife for removing scales.

Chain of custody and fish collection forms.

Clipboard.

Pens or markers.

Paper towels.

Dish soap and brush.

Bucket.

Cooler.

Ice.

Duct tape.

Appendix G – PFAS Analyte List

Group	Chemical Name	Abbreviation	CAS Number
Perfluoroalkyl sulfonic acids	Perfluorobutanesulfonic acid	PFBS	375-73-5
	Perfluoropentanesulfonic acid	PFPeS	2706-91-4
	Perfluorohexanesulfonic acid	PFHxS	355-46-4
	Perfluoroheptanesulfonic acid	PFHpS	375-92-8
	Perfluorooctanesulfonic acid	PFOS	1763-23-1
	Perfluorononanesulfonic acid	PFNS	68259-12-1
	Perfluorodecanesulfonic acid	PFDS	335-77-3
	Perfluorododecanesulfonic acid	PFDoS	79780-39-5
Perfluoroalkyl carboxylic acids	Perfluorobutanoic acid	PFBA	375-22-4
	Perfluoropentanoic acid	PFPeA	2706-90-3
	Perfluorohexanoic acid	PFHxA	307-24-4
	Perfluoroheptanoic acid	PFHpA	375-85-9
	Perfluorooctanoic acid	PFOA	335-67-1
	Perfluorononanoic acid	PFNA	375-95-1
	Perfluorodecanoic acid	PFDA	335-76-2
	Perfluoroundecanoic acid	PFUnA	2058-94-8
	Perfluorododecanoic acid	PFDoA	307-55-1
	Perfluorotridecanoic acid	PFTrDA	72629-94-8
	Perfluorotetradecanoic acid	PFTeDA	376-06-7
Per- and Polyfluoroether carboxylic acids	Hexafluoropropylene oxide dimer acid	HFPO-DA	13252-13-6
	4,8-Dioxa-3H-perfluorononanoic acid	ADONA	919005-14-4
	Perfluoro-3-methoxypropanoic acid	PFMPA	377-73-1
	Perfluoro-4-methoxybutanoic acid	PFMBA	863090-89-5
	Nonafluoro-3,6-dioxaheptanoic acid	NFDHA	151772-58-6
Fluorotelomer sulfonic acids	4:2 Fluorotelomer sulfonic acid	4:2-FTS	757124-72-4
	6:2 Fluorotelomer sulfonic acid	6:2-FTS	27619-97-2
	8:2 Fluorotelomer sulfonic acid	8:2-FTS	39108-34-4
Fluorotelomer carboxylic acids	3:3 Fluorotelomer carboxylic acid	3:3 FTCA	356-02-5
	5:3 Fluorotelomer carboxylic acid	5:3 FTCA	914637-49-3
	7:3 Fluorotelomer carboxylic acid	7:3 FTCA	812-70-4
Perfluorooctane sulfonamides	Perfluorooctane sulfonamide	PFOSA	754-91-6
	N-methylperfluorooctane sulfonamide	NMeFOSA	31506-32-8
	N-ethylperfluorooctane sulfonamide	NEtFOSA	4151-50-2
Perfluorooctane sulfonamidoacetic acids	N-methylperfluorooctane sulfonamidoacetic acid	N-MeFOSAA	2355-31-9
	N-ethylperfluorooctane sulfonamidoacetic acid	N-EtFOSAA	2991-50-6
Perfluorooctane sulfonamide ethanols	N-methylperfluorooctane sulfonamidoethanol	MeFOSE	24448-09-7
	N-ethylperfluorooctane sulfonamidoethanol	EtFOSE	1691-99-2

Group	Chemical Name	Abbreviation	CAS Number
Ether sulfonic acids	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (F-53B Major)	9Cl-PF3ONS	756426-58-1
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (F-53B Minor)	11Cl-PF3OUdS	763051-92-9
	Perfluoro(2-ethoxyethane) sulfonic acid	PFEESA	113507-82-7

Appendix H - Data Review Guidelines for Analysis of PFAS in Non-Potable Water and Solids

General

These guidelines are intended to be used for the validation of PFAS using EPA Method 1633 for projects within the Division of Environmental Remediation (DER). Data reviewers should understand the methodology and techniques utilized in the analysis. Consultation with the end user of the data may be necessary to assist in determining data usability based on the data quality objectives in the Quality Assurance Project Plan. A familiarity with the laboratory's Standard Operating Procedure may also be needed to fully evaluate the data. If you have any questions, please contact DER's Quality Assurance Officer, Dana Barbarossa, at dana.barbarossa@dec.ny.gov.

Preservation and Holding Time

Samples should be preserved with ice to a temperature of less than 6°C upon arrival at the lab. The holding time is 28 days to extraction for aqueous and solid samples. The time from extraction to analysis for aqueous samples is 28 days and 40 days for solids.

Temperature greatly exceeds 6ºC upon arrival at the lab*	Use professional judgement to qualify detects and non-detects as estimated or rejected
Holding time exceeding 28 days to extraction	Use professional judgement to qualify detects and non-detects as estimated or rejected if holding time is grossly exceeded

*Samples that are delivered to the lab immediately after sampling may not meet the thermal preservation guidelines. Samples are considered acceptable if they arrive on ice or an attempt to chill the samples is observed.

Initial Calibration

The initial calibration should contain a minimum of six standards for linear fit and six standards for a quadratic fit. The relative standard deviation (RSD) for a quadratic fit calibration should be less than 20%.

The low-level calibration standard should be within 50% - 150% of the true value, and the mid-level calibration standard within 70% - 130% of the true value.

%RSD >20%	J flag detects and UJ non detects

Continuing Calibration Verification

Continuing calibration verification (CCV) checks should be analyzed at a frequency of one per ten field samples. If CCV recovery is very low, where detection of the analyte could be in question, ensure a low level CCV was analyzed and use to determine data quality.

CCV recovery <70 or >130%	J flag results

Blanks

There should be no detections in the method blanks above the reporting limits. Equipment blanks, field blanks, rinse blanks etc. should be evaluated in the same manner as method blanks. Use the most contaminated blank to evaluate the sample results.

Blank Result	Sample Result	Qualification
Any detection	<Reporting limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting limit	>Reporting limit and <10x blank result	J+ biased high

Field Duplicates

A blind field duplicate should be collected at rate of one per twenty samples. The relative percent difference (RPD) should be less than 30% for analyte concentrations greater than two times the reporting limit. Use the higher result for final reporting.

RPD >30%	Apply J qualifier to parent sample

Lab Control Spike

Lab control spikes should be analyzed with each extraction batch or one for every twenty samples. In the absence of lab derived criteria, use 70% - 130% recovery criteria to evaluate the data.

Recovery <70% or >130% (lab derived criteria can also be used)	Apply J qualifier to detects and UJ qualifier to non detects

Matrix Spike/Matrix Spike Duplicate

One matrix spike and matrix spike duplicate should be collected at a rate of one per twenty samples. Use professional judgement to reject results based on out of control MS/MSD recoveries.

Recovery <70% or >130% (lab derived criteria can also be used)	Apply J qualifier to detects and UJ qualifier to non detects of parent sample only
RPD >30%	Apply J qualifier to detects and UJ qualifier to non detects of parent sample only

Extracted Internal Standards (Isotope Dilution Analytes)

Problematic analytes (e.g. PFBA, PFPeA, fluorotelomer sulfonates) can have wider recoveries without qualification. Qualify corresponding native compounds with a J flag if outside of the range.

Recovery <50% or >150%	Apply J qualifier
Recovery <25% or >150% for poor responding analytes	Apply J qualifier
Isotope Dilution Analyte (IDA) Recovery <10%	Reject results

Signal to Noise Ratio

The signal to noise ratio for the quantifier ion should be at least 3:1. If the ratio is less than 3:1, the peak is discernable from the baseline noise and symmetrical, the result can be reported. If the peak appears to be baseline noise and/or the shape is irregular, qualify the result as tentatively identified.

Reporting Limits

If project-specific reporting limits were not met, please indicate that in the report along with the reason (e.g. over dilution, dilution for non-target analytes, high sediment in aqueous samples).

Peak Integrations

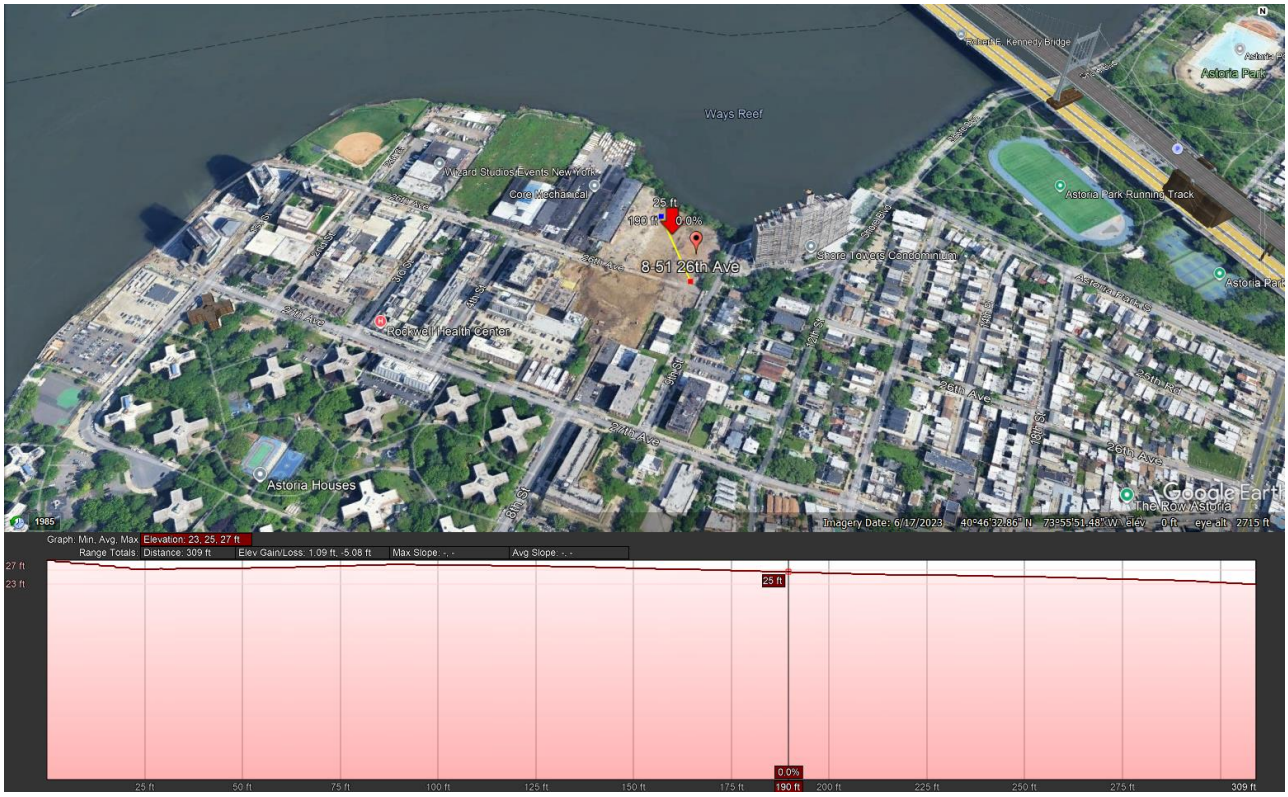
Target analyte peaks should be integrated properly and consistently when compared to standards. Ensure branched isomer peaks are included for PFAS where standards are available. Inconsistencies should be brought to the attention of the laboratory or identified in the data review summary report.

APPENDIX E
Climate Screening Checklist

Climate Screening Checklist

Background Information

- Project Manager: Emily Butler
- Site Name: Former Tilsdale Lumber and Coal Redevelopment Site
- Site Number: C241295
- Site Location: 8-01 and 8-51 26th Avenue, Queens, New York
- Site Elevation (average above sea level): Approximately 25 feet above sea level (Google Earth)

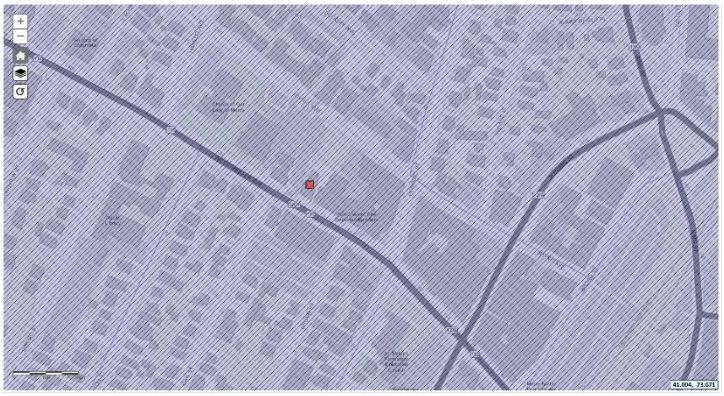


- ClimAID Region (Responding Climate Change in New York State (ClimAID) - NYSERDA): Region 4 – New York City and Long Island

- Remedial Stage/Site Classification: Investigation.
- Contamination - Media Impacted/ Contaminants of Concern:
  - volatile organic compounds (VOCs), specifically chlorinated volatile organic compounds (CVOCs); semi-volatile organic compounds (SVOCs), specifically polycyclic aromatic hydrocarbons (PAHs); metals, including lead, mercury, and trivalent chromium; pesticides; polychlorinated biphenyls (PCBs); and per- and polyfluoroalkyl substances (PFAS) in soil;
  - CVOCs, SVOCs, PCBs, and PFAS in groundwater; and
  - CVOCs in soil vapor.
- Proposed/Current Remedy: The remedy will be proposed upon the completion of the pending Remedial Investigation (RI), when the extent of environmental impacts at the Site is determined.
- What is the predicted timeframe of the remedy? Will components of the remedy still be in place in 10+ years? The predicted timeframe is unknown as environmental impacts at the Site are undetermined.
- Is the site in proximity to any sensitive receptors? (e.g., wetlands, waterbodies, residential properties, hospitals, schools, drinking water supplies, etc.) Ways Reef is located immediately to the north of the Site.

Is the site in a disadvantaged community (DAC) or potential environmental justice area (PEJA) (Use DECinfolocator: DECinfo Locator (ny.gov))?

X Yes ☐ No



If the site is in a DAC or PEJA, will climate impacts be magnified? If yes, list how and why.

☐ Yes X No

Should thresholds of concern be lowered to account for magnification of impacts? If yes, indicate how lower thresholds will be used in the screening.

☐ Yes X No

Climate Screening Table*

Potential Climate Hazards	**Relevant to the Site Location** (Y/N/NA)[1]	**Projected Change** (Resilience Analysis and Planning Tool (RAPT)/arcgis.com[3]	**Potential to Impact Remedy** (Y/N)	**Is remedy/site already resilient?** (Y/N)[4]
Precipitation	N	N/A	N/A	N/A
Temperature[2] (Extreme Heat or Cold Weather Impacts)	N	N/A	N/A	N/A
Sea Level Rise	N	N/A	N/A	N/A
Flooding	N	N/A	N/A	N/A
Storm Surge	N	N/A	N/A	N/A
Wildfire	N	N/A	N/A	N/A
Drought	N	N/A	N/A	N/A
Storm Severity	N	N/A	N/A	N/A
Landslides	N	N/A	N/A	N/A
Other Hazards:	N/A	N/A	N/A	N/A

* Links to potential data sources can be found on the following page

[1] If the first column is N --> The rest of the columns will be N/A, the hazard is not applicable to the site.

[2] Extreme Heat: periods of three or more days above 90°F- Extreme Cold: Individual days with minimum temperatures at or below 0 degrees F (NYSERDA ClimAID report)

[3] List the projected change in specific terms or units e.g. inches of rainfall, feet of sea level rise, etc.

[4] If final column is Y, provide reasoning, if the final column is N --> Climate Vulnerability Assessment (CVA) required.

Required Next Steps (If no further action is required, provide justification):

Conduct severe weather storm inspections during the active remedy. Inspect dewatering systems prior to anticipated storm events that could result in a power outage, and after storm events.

Potential Data Sources (not an exhaustive list)- from Superfund Climate Resilience: Vulnerability Assessment | US EPA

NYSERDA ClimAID report- Responding Climate Change in New York State (ClimAID) - NYSERDA

FEMA- National Flood Hazard Layer | FEMA.gov

NOAA- National Storm Surge Risk Maps - Version 3 (noaa.gov)

Department of Agriculture Forest Service Wildfire Risk to Communities

EPA Climate Change Indicators in the United States

EPA Climate Resilience Evaluation & Awareness Tool (CREAT) | U.S. Climate Resilience Toolkit

EPA National Stormwater Calculator

National Integrated Drought Information System U.S. Drought Portal

National Interagency Coordination Center National Interagency Fire Center

National Oceanic and Atmospheric Administration Coastal Services Digital Coast

- Resources to help communities assess coastal hazards, such as the Sea Level Rise Viewer for visualizing community-level impacts of flooding or sea level rise and downloadable LIDAR data

National Oceanic and Atmospheric Administration National Centers for Environmental Information website

National Oceanic and Atmospheric Administration Sea Level Trends

National Weather Service Climate Prediction Center

National Weather Service National Hurricane Center

National Weather Service Sea, Lake, and Overland Surges from Hurricanes (SLOSH)

National Weather Service Storm Surge Hazard Maps

U.S. Federal Government Climate Resilience Toolkit: The Climate Explorer

U.S. Army Corps of Engineers Climate Preparedness and Resilience

U.S. Geological Survey Coastal Change Hazards Portal

U.S. Geological Survey Landslide Hazards Program

U.S. Geological Survey National Ground-water Monitoring Network Data Portal

U.S. Geological Survey National Climate Change Viewer

U.S. Geological Survey National Water Dashboard

U.S. Geological Survey StreamStats

NYS Department of State- Assess | Department of State (ny.gov)

NYSERDA NY Costal Floodplain Mapper- Home Page (ny.gov)

NYSDEC Coastal Erosion Hazards- Coastal Areas Regulated By The CEHA Permit Program - NYDEC

NYSDOH Heat Index- health.ny.gov/environmental/weather/vulnerability_index/county_maps.htm

APPENDIX F
Green Sustainable Remediation Documentation

H & A OF NEW YORK ENGINEERING
AND GEOLOGY, LLP
213 W. 35th Street
7th Floor
New York, NY 10001
646.277.5685

December 3, 2025
File No. 0211417-001

New York State Department of Environmental Conservation
Region 2 – Division of Environmental Remediation
47-40 21st Street
Long Island City, New York 11101-5401

Subject: Remedial Investigation Work Plan
Former Tilsdale Lumber and Coal Redevelopment Site
8-01 and 8-51 26th Avenue
Queens, New York
BCP Site C241295

H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) presents the following environmental footprint analysis in accordance with U.S. Environmental Protection Agency (USEPA) 542-R-12-002 for the proposed Remedial Investigation (RI) of the above-referenced site located at 8-01 and 8-51 26th Avenue, Queens, New York (Site).

FORMER NEW CITY LINK AUTO REPAIR SITE – INVESTIGATION

The RI is anticipated to result in estimated totals of:

- 1,176.22 metric million British thermal units (MMBtus) of energy used;
- 88.94 tons of total greenhouse gas emissions (CO2e);
- 4471.77 pounds (lbs) of NOx + SOx +PM emissions; and,
- 33.85 lbs of Hazardous Air Pollutants (HAP) emissions.

Energy

- 9.02 MMbtus used for on-site activities, such as well development and sampling.
- 0.02 MMbtus used for Grid Electricity Generation.
- 21.95 MMbtus used for transportation of personnel and investigation materials.
- 1,145.23 MMbtus used for off-site activities.

Greenhouse Gas Emissions (CO2e)

- 0.66 tons of CO2e produced from on-site activities, such as drilling.
- 0.00 tons of CO2e produced from Grid Electricity Generation.
- 1.60 tons of CO2e produced from transportation of contractors, personnel, and investigation materials.
- 78.42 tons of CO2e produced from off-site activities.

Water Usage

- 137 gallons of water are estimated to be used during the investigation.

Overall, the estimated environmental footprint of the RI is dominated by off-site activities (which include diesel fuel production). Transportation of materials and personnel is the next largest contributor to the environmental footprint of the RI, which is anticipated to generate 3,528 lbs of CO2e and use 22 MMbtus of energy. Off-site energy use is anticipated to comprise 97.37 percent of all energy use and off-site greenhouse gas emissions to comprise 97.2 percent of all emissions for the investigation.

Sincerely yours,
H & A OF NEW YORK ENGINEERING AND GEOLOGY, LLP

Environmental Footprint Summary

Core Element	Metric		Unit of Measure	Footprint						
				Proposed Remedial Investigation						Total
Materials & Waste	M&W-1	Refined materials used on-site	Tons	2.3	0.0	0.0	0.0	0.0	0.0	2.3
	M&W-2	% of refined materials from recycled or reused material	%	0.0%						0.0%
	M&W-3	Unrefined materials used on-site	Tons	0.000	0.000	0.000	0.000	0.000	0.000	0.0
	M&W-4	% of unrefined materials from recycled or reused material	%							
	M&W-5	On-site hazardous waste disposed of off-site	Tons	6,050.0	0.0	0.0	0.0	0.0	0.0	6,050.0
	M&W-6	On-site non-hazardous waste disposed of off-site	Tons	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M&W-7	Recycled or reused waste	Tons	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M&W-8	% of total potential waste recycled or reused	%	0.0%						0.0%
Water (used on-site)	W-1	Public water use	MG	0.0001	0.0	0.0	0.0	0.0	0.0	0.0001
	W-2	Groundwater use	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-3	Surface water use	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-4	Reclaimed water use	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-5	Storm water use	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-6	User-defined water resource #1	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-7	User-defined water resource #2	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-8	Wastewater generated	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Energy	E-1	Total energy used (on-site and off-site)	MMBtu	1,176.2	0.0	0.0	0.0	0.0	0.0	1,176.2
	E-2	Energy voluntarily derived from renewable resources								
	E-2A	On-site renewable energy generation or use + on-site biodiesel use + biodiesel and other renewable resource use for transportation	MMBtu	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	E-2B	Voluntary purchase of renewable electricity	MWh	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	E-3	Voluntary purchase of RECs	MWh	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	E-4	On-site grid electricity use	MWh	0.003	0.000	0.000	0.000	0.000	0.000	0.0
Air	A-1	On-site NOx, SOx, and PM emissions	Pounds	11.6	0.0	0.0	0.0	0.0	0.0	11.6
	A-2	On-site HAP emissions	Pounds	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	A-3	Total NOx, SOx, and PM emissions	Pounds	4,471.8	0.0	0.0	0.0	0.0	0.0	4,471.8
	A-3A	Total NOx emissions	Pounds	1,055.5	0.0	0.0	0.0	0.0	0.0	1,055.5
	A-3B	Total SOx emissions	Pounds	720.1	0.0	0.0	0.0	0.0	0.0	720.1
	A-3C	Total PM emissions	Pounds	2,696.1	0.0	0.0	0.0	0.0	0.0	2,696.1
	A-4	Total HAP emissions	Pounds	33.9	0.0	0.0	0.0	0.0	0.0	33.9
	A-5	Total greenhouse gas emissions	Tons CO2e*	88.9	0.0	0.0	0.0	0.0	0.0	88.9
Land & Ecosystems	Qualitative Description									

** Total greenhouse gases emissions (in CO2e) include consideration of CO2, CH4, and N2O (Nitrous oxide) emissions.*
"MMBtu" = millions of Btus
"MG" = millions of gallons
"CO2e" = carbon dioxide equivalents of global warming potential
"MWh" = megawatt hours (i.e., thousands of kilowatt-hours or millions of Watt-hours)
"Tons" = short tons (2,000 pounds)

The above metrics are consistent with EPA's Methodology for Understanding and Reducing a Project's Environmental Footprint (EPA 542-R-12-002), February 2012

Notes:

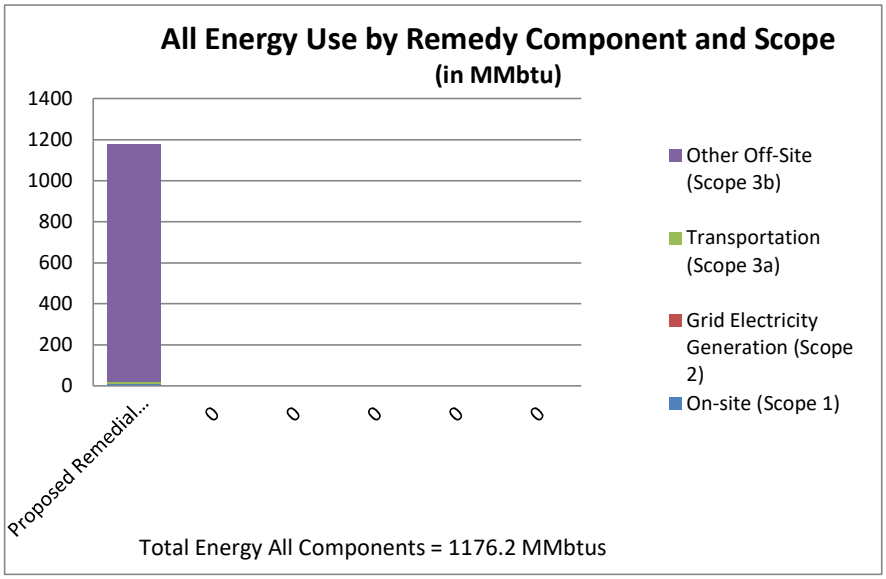
All - Energy & Air Compiled Results

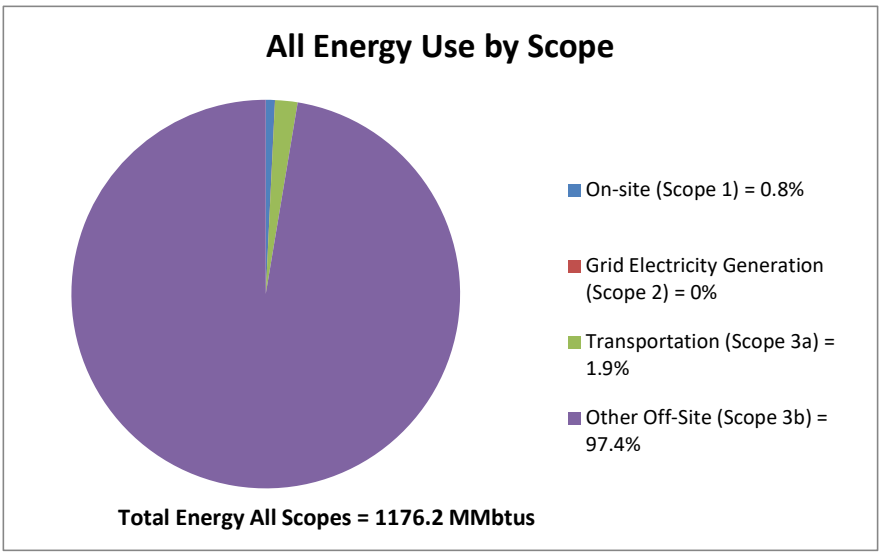
Category	Total Energy	GHG	NOx	SOx	PM	NOx + SOx + PM	HAPs
	MMbtus	lbs CO2e	lbs	lbs	lbs	lbs	lbs
On-site (Scope 1)	**9**	**1,458**	**11**	**0**	**0**	**12**	**0**
Grid Electricity Generation (Scope 2)	**0.019**	**3**	**0**	**0**	**0**	**0**	**0**
Transportation (Scope 3a)	**22**	**3,528**	**16**	**0**	**1**	**17**	**1**
Other Off-Site (Scope 3b)	**1,145**	**172,894**	**1,028**	**719**	**2,695**	**4,443**	**33**
Remedy Totals	**1,176**	**177,882**	**1,056**	**720**	**2,696**	**4,472**	**34**

Values that are forwarded to the "Summary" tab are indicated in orange.

Voluntary Renewable Energy Use	Unit	Quantity	
On-site renewable energy generation or use	MMBtu	**0**	
On-site biodiesel use	MMBtu	**0**	
Biodiesel and other renewable resource use for transportation	MMBtu	**0**	
On-site renewable energy generation or use + on-site biodiesel use + biodiesel and other renewable resource use for transportation	MMBtu	**0**	*(This value is the sum of the three rows above)*
Voluntary purchase of renewable electricity	MWh	**0**	
Voluntary purchase of RECs	MWh	**0**	

This worksheet is not intended for user input. Values on this worksheet are obtained from the following file: SEFA_calculations_(121718).xlsx


All Energy Use by Remedy Component and Scope
(in MMbtu)
1400
1200
1000
800
600
400
200
0
Proposed Remedial...
0
0
0
0
0
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
Total Energy All Components = 1176.2 MMbtus

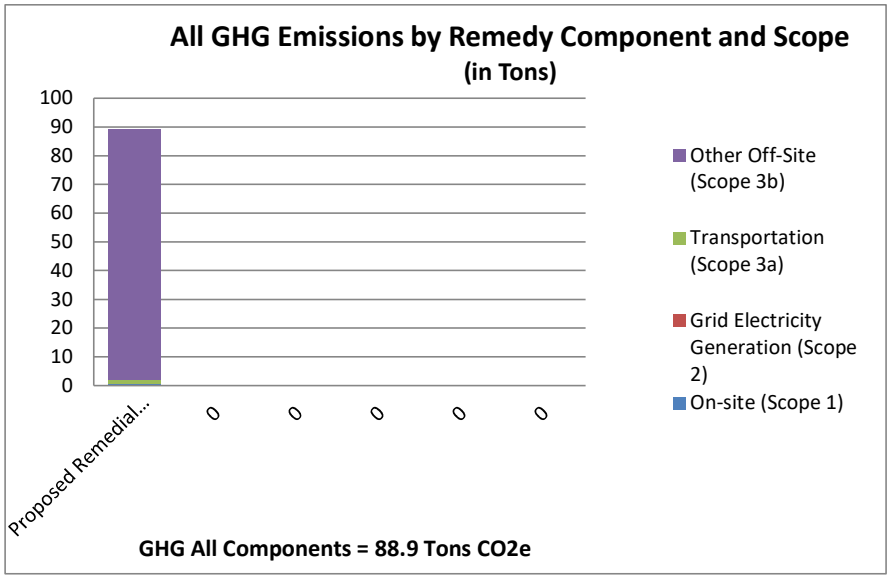

All Energy Use by Scope
On-site (Scope 1) = 0.8%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 1.9%
Other Off-Site (Scope 3b) = 97.4%
Total Energy All Scopes = 1176.2 MMbtus

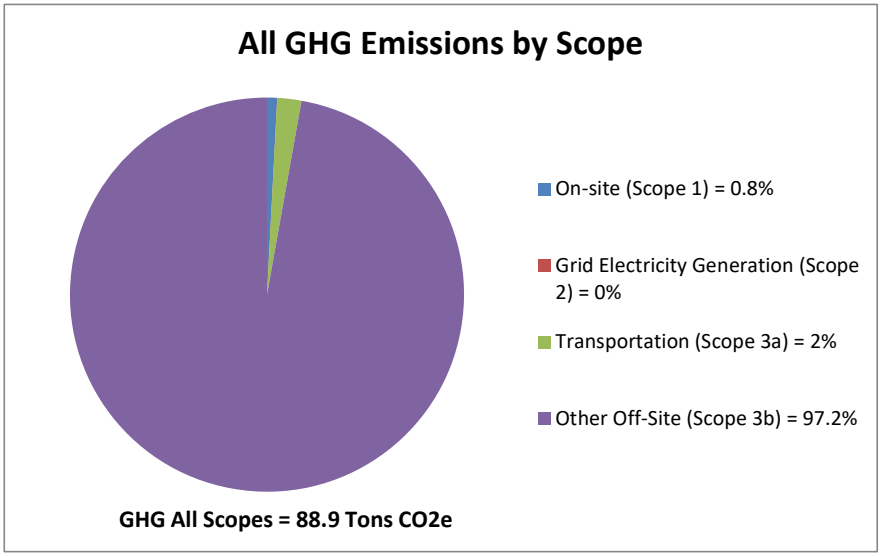
Total Energy MMbtus								
	Proposed F	0	0	0	0	0	Total	
On-site (Scope 1)	9.0	0.0	0.0	0.0	0.0	0.0	9.0	
' Generation (Scope 2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	d Electricity
ısportation (Scope 3a)	22.0	0.0	0.0	0.0	0.0	0.0	22.0	Tran
ıer Off-Site (Scope 3b)	1,145.2	0.0	0.0	0.0	0.0	0.0	1,145.2	Oth
Total	1,176.2	0.0	0.0	0.0	0.0	0.0	1,176.2	

Proposed Remedial Investigation = 100%
0 = 0%
0 = 0%
0 = 0%
0 = 0%
0 = 0%

On-site (Scope 1) = 0.8%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 1.9%
Other Off-Site (Scope 3b) = 97.4%

Total Energy All Components = 1176.2 MMbtus
Total Energy All Scopes = 1176.2 MMbtus


All GHG Emissions by Remedy Component and Scope
(in Tons)
100
90
80
70
60
50
40
30
20
10
0
Proposed Remedial...
0
0
0
0
0
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
GHG All Components = 88.9 Tons CO2e

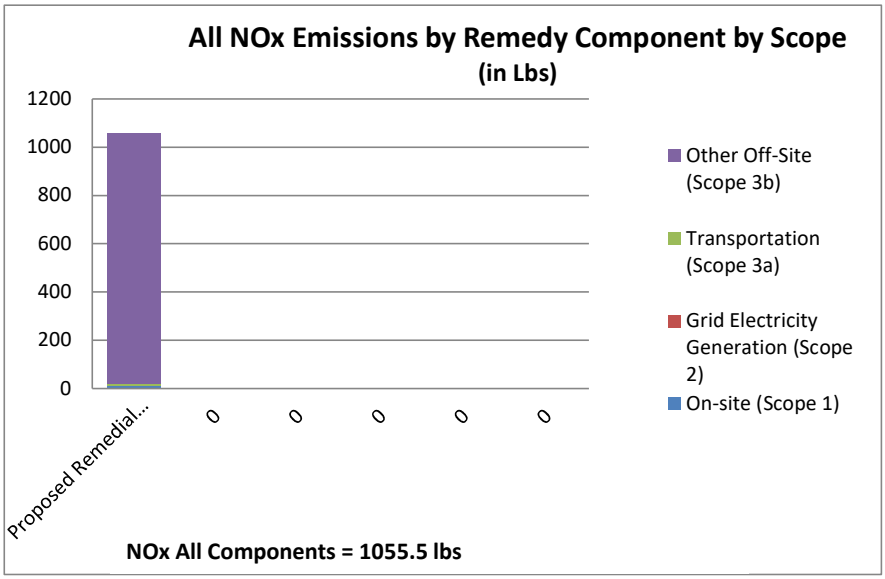

All GHG Emissions by Scope
On-site (Scope 1) = 0.8%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 2%
Other Off-Site (Scope 3b) = 97.2%
GHG All Scopes = 88.9 Tons CO2e

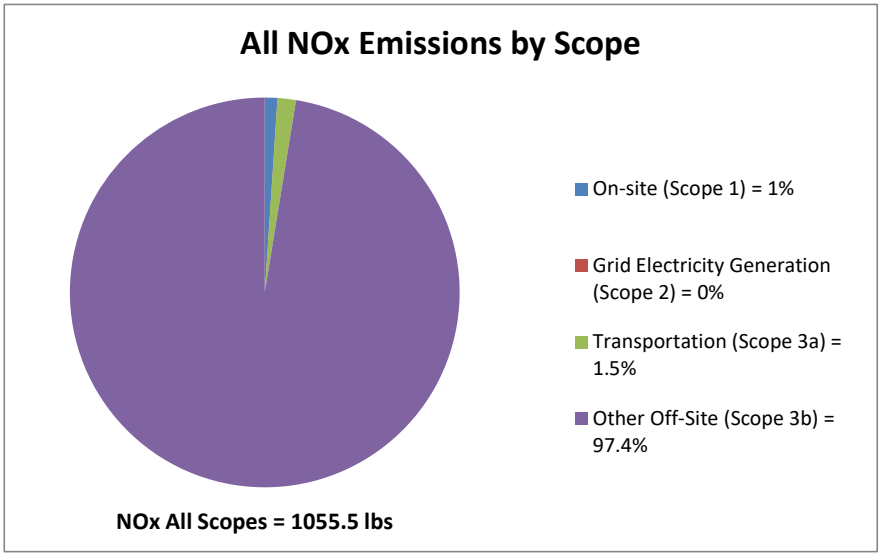
GHG Tons CO2e								
	Proposed F	0	0	0	0	0	Total	
On-site (Scope 1)	0.7	0.0	0.0	0.0	0.0	0.0	0.7	
Generation (Scope 2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	d Electricity
ısportation (Scope 3a)	1.8	0.0	0.0	0.0	0.0	0.0	1.8	Tran
ıer Off-Site (Scope 3b)	86.4	0.0	0.0	0.0	0.0	0.0	86.4	Oth
Total	88.9	0.0	0.0	0.0	0.0	0.0	88.9	

Proposed Remedial Investigation = 100%
0 = 0%
0 = 0%
0 = 0%
0 = 0%
0 = 0%

On-site (Scope 1) = 0.8%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 2%
Other Off-Site (Scope 3b) = 97.2%

GHG All Components = 88.9 Tons CO2e
GHG All Scopes = 88.9 Tons CO2e


All NOx Emissions by Remedy Component by Scope
(in Lbs)
1200
1000
800
600
400
200
0
Proposed Remedial...
0
0
0
0
0
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
NOx All Components = 1055.5 lbs

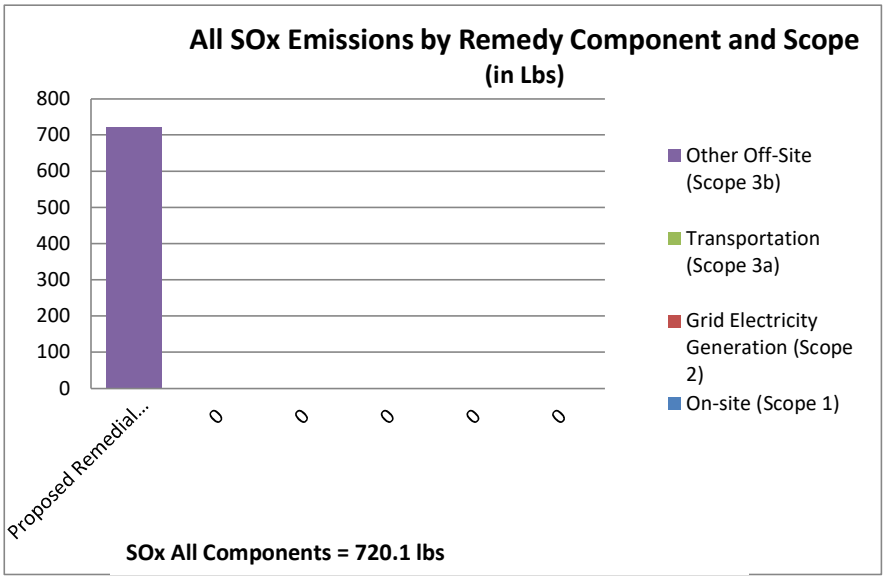

All NOx Emissions by Scope
On-site (Scope 1) = 1%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 1.5%
Other Off-Site (Scope 3b) = 97.4%
NOx All Scopes = 1055.5 lbs

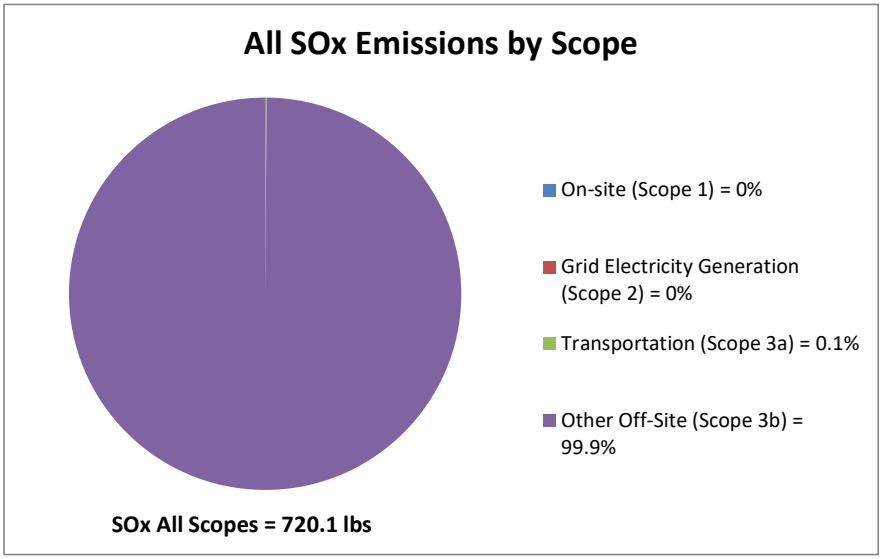
NOx lbs								
	Proposed F	0	0	0	0	0	Total	
On-site (Scope 1)	11.0	0.0	0.0	0.0	0.0	0.0	11.0	
Generation (Scope 2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	d Electricity
ısportation (Scope 3a)	16.0	0.0	0.0	0.0	0.0	0.0	16.0	Tran
ıer Off-Site (Scope 3b)	1,028.5	0.0	0.0	0.0	0.0	0.0	1,028.5	Oth
Total	1,055.5	0.0	0.0	0.0	0.0	0.0	1,055.5	

Proposed Remedial Investigation = 100%
0 = 0%
0 = 0%
0 = 0%
0 = 0%
0 = 0%

On-site (Scope 1) = 1%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 1.5%
Other Off-Site (Scope 3b) = 97.4%

NOx All Components = 1055.5 lbs
NOx All Scopes = 1055.5 lbs


All SOx Emissions by Remedy Component and Scope
(in Lbs)
800
700
600
500
400
300
200
100
0
Proposed Remedial...
0
0
0
0
0
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
SOx All Components = 720.1 lbs

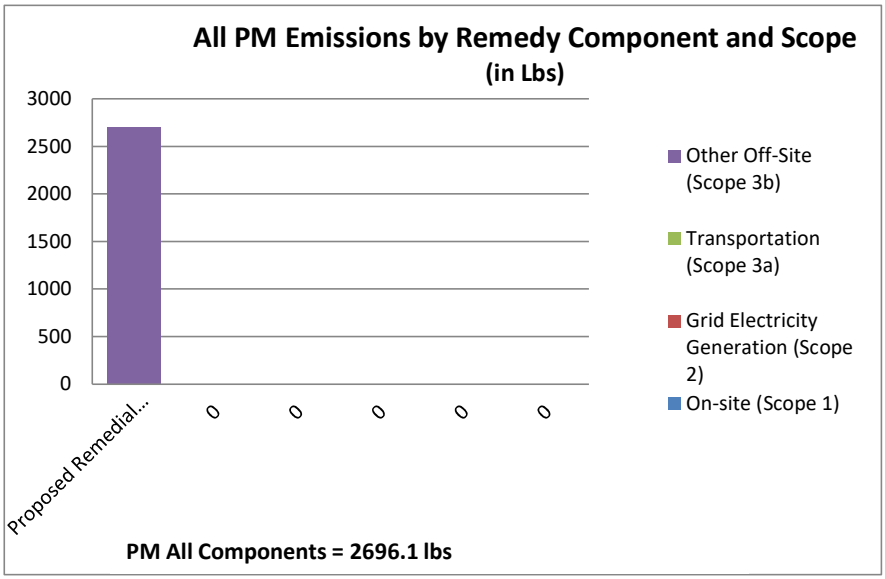

All SOx Emissions by Scope
On-site (Scope 1) = 0%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 0.1%
Other Off-Site (Scope 3b) = 99.9%
SOx All Scopes = 720.1 lbs

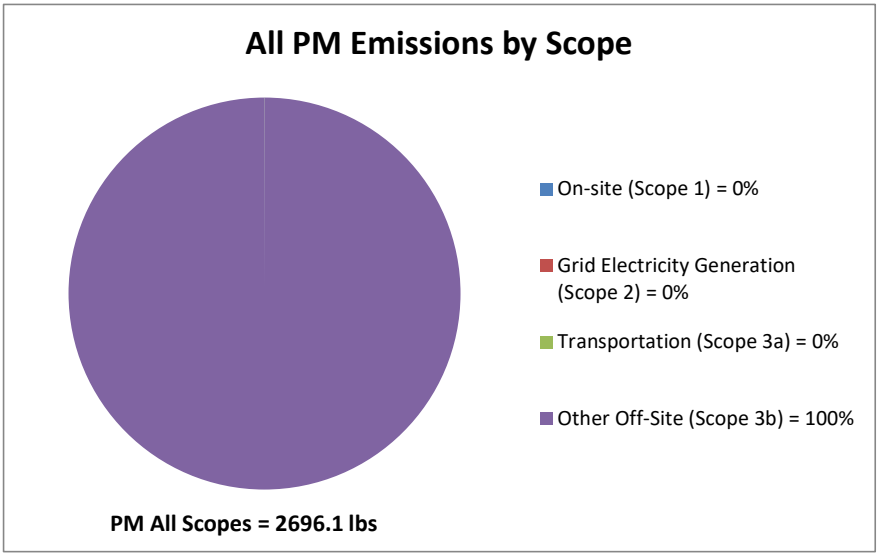
SOx lbs								
	Proposed F	0	0	0	0	0	Total	
On-site (Scope 1)	0.3	0.0	0.0	0.0	0.0	0.0	0.3	
Generation (Scope 2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	d Electricity
ısportation (Scope 3a)	0.5	0.0	0.0	0.0	0.0	0.0	0.5	Tran
ıer Off-Site (Scope 3b)	719.3	0.0	0.0	0.0	0.0	0.0	719.3	Oth
Total	720.1	0.0	0.0	0.0	0.0	0.0	720.1	

Proposed Remedial Investigation = 100%
0 = 0%
0 = 0%
0 = 0%
0 = 0%
0 = 0%

On-site (Scope 1) = 0%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 0.1%
Other Off-Site (Scope 3b) = 99.9%

SOx All Components = 720.1 lbs
SOx All Scopes = 720.1 lbs


All PM Emissions by Remedy Component and Scope
(in Lbs)
3000
2500
2000
1500
1000
500
0
Proposed Remedial...
0
0
0
0
0
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
PM All Components = 2696.1 lbs

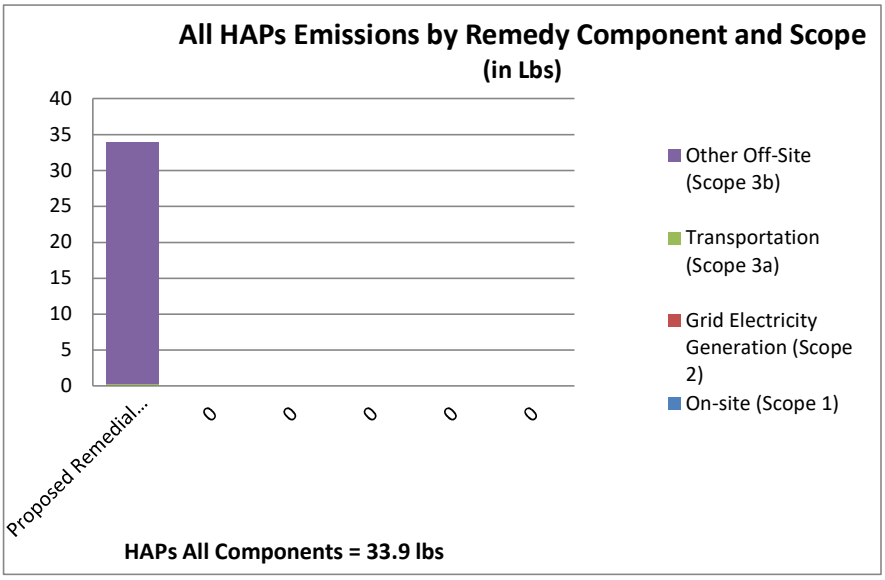

All PM Emissions by Scope
On-site (Scope 1) = 0%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 0%
Other Off-Site (Scope 3b) = 100%
PM All Scopes = 2696.1 lbs

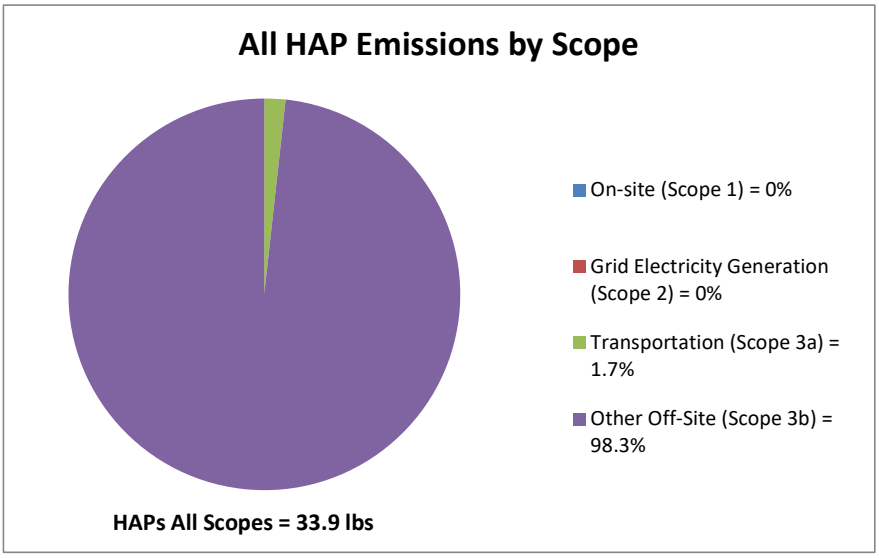
PM lbs								
Proposed F	0	0	0	0	0	Total		
On-site (Scope 1)	0.2	0.0	0.0	0.0	0.0	0.0	0.2	
Generation (Scope 2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	d Electricity
ısportation (Scope 3a)	0.5	0.0	0.0	0.0	0.0	0.0	0.5	Tran
ıer Off-Site (Scope 3b)	2,695.4	0.0	0.0	0.0	0.0	0.0	2,695.4	Oth
Total	2,696.1	0.0	0.0	0.0	0.0	0.0	2,696.1	

Proposed Remedial Investigation = 100%
0 = 0%
0 = 0%
0 = 0%
0 = 0%
0 = 0%

On-site (Scope 1) = 0%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 0%
Other Off-Site (Scope 3b) = 100%

PM All Components = 2696.1 lbs
PM All Scopes = 2696.1 lbs


All HAPs Emissions by Remedy Component and Scope
(in Lbs)
40
35
30
25
20
15
10
5
0
Proposed Remedial...
0
0
0
0
0
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
HAPs All Components = 33.9 lbs


All HAP Emissions by Scope
On-site (Scope 1) = 0%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 1.7%
Other Off-Site (Scope 3b) = 98.3%
HAPs All Scopes = 33.9 lbs

HAPs lbs							
	Proposed F	0	0	0	0	0	Total
On-site (Scope 1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Generation (Scope 2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ısportation (Scope 3a)	0.6	0.0	0.0	0.0	0.0	0.0	0.6
ıer Off-Site (Scope 3b)	33.3	0.0	0.0	0.0	0.0	0.0	33.3
Total	33.9	0.0	0.0	0.0	0.0	0.0	33.9

Proposed Remedial Investigation = 100%
0 = 0%
0 = 0%
0 = 0%
0 = 0%
0 = 0%

On-site (Scope 1) = 0%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 1.7%
Other Off-Site (Scope 3b) = 98.3%

HAPs All Components = 33.9 lbs
HAPs All Scopes = 33.9 lbs

4-34 26th Avenue
Queens, New York

June Diesel Equipment Log

Equipment ID No.	Equipment Type	Equipment Manufacturer	Equipment Model-Series	Operation Date	Hours Operated
1	Excavator	Caterpillar	321C LCR	6/4/2025	0
2	Excavator	Caterpillar	307E2	6/4/2025	0
3	Excavator	Caterpillar	CAT 315	6/4/2025	0
4	Excavator	Doosan	DX420LC / DX530LC-5	6/4/2025	0
5	Excavator	Kobelco	140SRLC-7	6/4/2025	0
6	Generator	TechnoGen	G45	6/4/2025	0
1	Excavator	Caterpillar	321C LCR	6/5/2025	0
2	Excavator	Caterpillar	307E2	6/5/2025	0
3	Excavator	Caterpillar	CAT 315	6/5/2025	0
4	Excavator	Doosan	DX420LC / DX530LC-5	6/5/2025	0
5	Excavator	Kobelco	140SRLC-7	6/5/2025	0
6	Generator	TechnoGen	G45	6/5/2025	0
1	Excavator	Caterpillar	321C LCR	6/6/2025	1
3	Excavator	Caterpillar	CAT 315	6/6/2025	0
4	Excavator	Doosan	DX420LC / DX530LC-5	6/6/2025	0
5	Excavator	Kobelco	140SRLC-7	6/6/2025	0
6	Generator	TechnoGen	G45	6/6/2025	0
7	Concrete Boom Truck	Alliance Concrete Pumps / Freightliner	47 Meter 5 Section LRZ-Boom / M-2	6/6/2025	3.5
8	Concrete Trucks	Mack	GRANITE GU713	6/6/2025	2.5
1	Excavator	Caterpillar	321C LCR	6/9/2025	4
3	Excavator	Caterpillar	CAT 315	6/9/2025	0
4	Excavator	Doosan	DX420LC / DX530LC-5	6/9/2025	0
5	Excavator	Kobelco	140SRLC-7	6/9/2025	0
6	Generator	TechnoGen	G45	6/9/2025	0
1	Excavator	Caterpillar	321C LCR	6/10/2025	1
3	Excavator	Caterpillar	CAT 315	6/10/2025	0
4	Excavator	Doosan	DX420LC / DX530LC-5	6/10/2025	0
5	Excavator	Kobelco	140SRLC-7	6/10/2025	0
6	Generator	TechnoGen	G45	6/10/2025	0
1	Excavator	Caterpillar	321C LCR	6/11/2025	0
3	Excavator	Caterpillar	CAT 315	6/11/2025	1

4-34 26th Avenue
Queens, New York

June Diesel Equipment Log

Equipment ID No.	Equipment Type	Equipment Manufacturer	Equipment Model-Series	Operation Date	Hours Operated
4	Excavator	Doosan	DX420LC / DX530LC-5	6/11/2025	0
5	Excavator	Kobelco	140SRLC-7	6/11/2025	0
6	Generator	TechnoGen	G45	6/11/2025	0
7	Concrete Boom Truck	Alliance Concrete Pumps / Freightliner	47 Meter 5 Section LRZ-Boom / M-2	6/11/2025	4
8	Concrete Trucks	Mack	GRANITE GU713	6/11/2025	2
1	Excavator	Caterpillar	321C LCR	6/12/2025	7
3	Excavator	Caterpillar	CAT 315	6/12/2025	0
4	Excavator	Doosan	DX420LC / DX530LC-5	6/12/2025	0
5	Excavator	Kobelco	140SRLC-7	6/12/2025	0
1	Excavator	Caterpillar	321C LCR	6/13/2025	5.5
3	Excavator	Caterpillar	CAT 315	6/13/2025	0
4	Excavator	Doosan	DX420LC / DX530LC-5	6/13/2025	0
5	Excavator	Kobelco	140SRLC-7	6/13/2025	0
6	Generator	TechnoGen	G45	6/13/2025	4
6	Generator	TechnoGen	G45	6/13/2025	0
1	Excavator	Caterpillar	321C LCR	6/16/2025	1
3	Excavator	Caterpillar	CAT 315	6/16/2025	1
4	Excavator	Doosan	DX420LC / DX530LC-5	6/16/2025	0
5	Excavator	Kobelco	140SRLC-7	6/16/2025	0
6	Generator	TechnoGen	G45	6/16/2025	4
7	Concrete Boom Truck	Alliance Concrete Pumps / Freightliner	47 Meter 5 Section LRZ-Boom / M-2	6/16/2025	7
8	Concrete Trucks	Mack	GRANITE GU713	6/16/2025	8
3	Excavator	Caterpillar	CAT 315	6/17/2025	0
4	Excavator	Doosan	DX420LC / DX530LC-5	6/17/2025	0
5	Excavator	Kobelco	140SRLC-7	6/17/2025	0
6	Generator	TechnoGen	G45	6/17/2025	0
9	Boom Truck	Cormach	240000RX E9J4D4 HP	6/17/2025	8
3	Excavator	Caterpillar	CAT 315	6/18/2025	0
4	Excavator	Doosan	DX420LC / DX530LC-5	6/18/2025	0
5	Excavator	Kobelco	140SRLC-7	6/18/2025	0
6	Generator	TechnoGen	G45	6/18/2025	0

4-34 26th Avenue
Queens, New York

June Diesel Equipment Log

Equipment ID No.	Equipment Type	Equipment Manufacturer	Equipment Model-Series	Operation Date	Hours Operated
10	Boom Truck	Palfinger	PK 165.002 TEC7	6/18/2025	8
3	Excavator	Caterpillar	CAT 315	6/19/2025	0
4	Excavator	Doosan	DX420LC / DX530LC-5	6/19/2025	0
5	Excavator	Kobelco	140SRLC-7	6/19/2025	0
6	Generator	TechnoGen	G45	6/19/2025	0
11	Excavator	SANY	SY 155U	6/19/2025	8
3	Excavator	Caterpillar	CAT 315	6/20/2025	0
4	Excavator	Doosan	DX420LC / DX530LC-5	6/20/2025	0
5	Excavator	Kobelco	140SRLC-7	6/20/2025	0
6	Generator	TechnoGen	G45	6/20/2025	0
8	Concrete Trucks	Mack	GRANITE GU713	6/20/2025	0
11	Excavator	SANY	SY 155U	6/20/2025	8
12	Concrete Boom Truck	KCP	KCP 52ZX 170 HP	6/20/2025	10
3	Excavator	Caterpillar	CAT 315	6/23/2025	0
4	Excavator	Doosan	DX420LC / DX530LC-5	6/23/2025	1
5	Excavator	Kobelco	140SRLC-7	6/23/2025	0
6	Generator	TechnoGen	G45	6/23/2025	0
11	Excavator	SANY	SY 155U	6/23/2025	2
9	Boom Truck	Cormach	240000RX E9J4D4 HP	6/23/2025	8
3	Excavator	Caterpillar	CAT 315	6/24/2025	0
4	Excavator	Doosan	DX420LC / DX530LC-5	6/24/2025	0
5	Excavator	Kobelco	140SRLC-7	6/24/2025	0
6	Generator	TechnoGen	G45	6/24/2025	0
11	Excavator	SANY	SY 155U	6/24/2025	0
13	Excavator	SANY	SY35U	6/24/2025	5
3	Excavator	Caterpillar	CAT 315	6/25/2025	0
4	Excavator	Doosan	DX420LC / DX530LC-5	6/25/2025	0
5	Excavator	Kobelco	140SRLC-7	6/25/2025	0
6	Generator	TechnoGen	G45	6/25/2025	0
11	Excavator	SANY	SY 155U	6/25/2025	0
13	Excavator	SANY	SY35U	6/25/2025	5

4-34 26th Avenue
Queens, New York

June Diesel Equipment Log

Equipment ID No.	Equipment Type	Equipment Manufacturer	Equipment Model-Series	Operation Date	Hours Operated
3	Excavator	Caterpillar	CAT 315	6/26/2025	0
4	Excavator	Doosan	DX420LC / DX530LC-5	6/26/2025	0
5	Excavator	Kobelco	140SRLC-7	6/26/2025	0
6	Generator	TechnoGen	G45	6/26/2025	0
11	Excavator	SANY	SY 155U	6/26/2025	8
13	Excavator	SANY	SY35U	6/26/2025	0
3	Excavator	Caterpillar	CAT 315	6/27/2025	0
4	Excavator	Doosan	DX420LC / DX530LC-5	6/27/2025	0
5	Excavator	Kobelco	140SRLC-7	6/27/2025	0
6	Generator	TechnoGen	G45	6/27/2025	0
11	Excavator	SANY	SY 155U	6/27/2025	6
12	Concrete Boom Truck	KCP	KCP 52ZX 170 HP	6/27/2025	7
8	Concrete Trucks	Mack	GRANITE GU713	6/27/2025	7
3	Excavator	Caterpillar	CAT 315	6/30/2025	0
4	Excavator	Doosan	DX420LC / DX530LC-5	6/30/2025	0
5	Excavator	Kobelco	140SRLC-7	6/30/2025	0
6	Generator	TechnoGen	G45	6/30/2025	0
11	Excavator	SANY	SY 155U	6/30/2025	0
9	Boom Truck	Cormach	240000RX E9J4D4 HP	6/30/2025	7

APPENDIX G
Health and Safety Plan

HALEY & ALDRICH, INC.
SITE-SPECIFIC SAFETY PLAN

FOR

Astoria Cove Development

26-10 9th Street, Queens, NY

Project/File No. 0211417

Gensuite EZ Scan®
BI - Developers

Prepared By: Calvin Jackson	**Date: 1/22/2025**
Approvals: The following signatures constitute approval of this Health & Safety Plan.	
Field Safety Manager: Luke J. McCartney, P.G.	**Date: 1/22/2025**
Project Manager: Matthew Levy	**Date: 1/22/2025**
HASP Valid Through: 12-31-2025	

Table of Contents

			Page
STOP WORK AUTHORITY			**I**
ISSUANCE AND COMPLIANCE			**II**
EMERGENCY EVENT PROCEDURES			**III**
PROJECT INFORMATION AND CONTACTS			**IV**
DIRECTIONS TO THE NEAREST HOSPITAL			**V**
DIRECTIONS TO THE NEAREST URGENT CARE			**VI**
1.	**WORK SCOPE**		**7**
	Project Task Breakdown	7	
	Subcontractor(s) Tasks	7	
2.	**SITE OVERVIEW / DESCRIPTION**		**8**
	Site Classification	8	
	Site Description	8	
	Background and Historic Site Usage	8	
	Site Status	8	
	Site Plan	8	
	Work Areas	8	
3.	**HAZARD ASSESSMENT**		**10**
	Site Chemical Hazards	10	
	Site Hazards Checklist	11	
	Weather	11	
	Biological	12	
	Location/Terrain	13	
	Miscellaneous	14	
	Task Hazard Summary	16	
	Task Physical Hazards Checklist	19	
	Summary of Physical Hazards & Controls	19	
4.	**PROTECTIVE MEASURES**		**25**
	Required Safety & Personal Protective Equipment	25	
5.	**TRAINING REQUIREMENTS**		**26**
	Site Specific Training Requirements	26	
	Task Specific Training Requirements	26	
6.	**AIR MONITORING PLAN AND EQUIPMENT**		**26**
	Air Monitoring/Screening Equipment Requirements	26	
	Monitoring Plans	27	
7.	**DECONTAMINATION & DISPOSAL METHODS**		**28**
	Personal Hygiene Safeguards	28	
	Decontamination Supplies	28	

Note: This HASP has been developed for Haley & Aldrich purposes only and is not for use by others.

Location of Decontamination Station 28
Standard Personal Decontamination Procedures 29
Disposal Methods 30
Disposal of Single Use Personal Protective Equipment 30

8. SITE CONTROL 31

Communication 31
Visitors 31
Zoning 31

9. SITE SPECIFIC EMERGENCY RESPONSE PLAN 32

Pre-Emergency Planning 32
Onsite Emergency Response Equipment 32
EVACUATION ALARM 33
EVACUATION ROUTES 33
EVACUATION MUSTER POINT(S)/ SHELTER AREA(S) 33
EVACUTION RESPONSE DRILLS 33
Emergency Type 34
Notification 34
Response Action 34
Evacuation Plan/Route 34

10. HASP ACKNOWLEDGEMENT FORM 35

Attachments

Attachment A	HASP Amendment Form
Attachment B	Training Requirements
Attachment C	Roles and Responsibilities
Attachment D	Job Safety Analyses
Attachment E	Safety Data Sheets
Attachment F	Operating Procedures

Note: This HASP is developed for Haley & Aldrich purposes only and not for use by others.

STOP WORK AUTHORITY

In accordance with Haley & Aldrich (Haley & Aldrich) Stop Work Authority Operating Procedure (OP1035), any individual has the right to refuse to perform work that he or she believes to be unsafe without fear of retaliation. He or she also has the authority, obligation, and responsibility to stop others from working in an unsafe manner.

STOP Work Authority is the stop work policy for all personnel and subcontractors on the Site. When work has been stopped due to an unsafe condition, Haley & Aldrich site management (e.g., Project Manager [PM], Site Health & Safety Officer [SHSO], etc.) and the Haley & Aldrich Senior Project Manager (SPM) will be notified immediately.

Reasons for issuing a stop work order include, but are not limited to:

- The belief/perception that injury to personnel or accident causing significant damage to property or equipment is imminent.
- An Haley & Aldrich subcontractor is in breach of site safety requirements and/or their own site HASP.
- Identifying a substandard condition (e.g., severe weather) or activity that creates an unacceptable safety risk as determined by a qualified person.

Work will not resume until the unsafe act has been stopped OR sufficient safety precautions have been taken to remove or mitigate the risk to an acceptable degree. Stop work orders will be documented as part of an on-site stop work log, on daily field reports to include the activity/activities stopped, the duration, person stopping work, person in-charge of stopped activity/activities, and the corrective action agreed to and/or taken. Once work has been stopped, only the Haley & Aldrich SPM or SHSO can give the order to resume work. Haley & Aldrich senior management is committed to support anyone who exercises his or her “Stop Work” authority.

Note: This HASP has been developed for Haley & Aldrich purposes only and is not for use by others.

ISSUANCE AND COMPLIANCE

This HASP has been prepared in accordance with Occupational Safety and Health Administration (OSHA) regulations (CFR 29, Parts 1904, 1910, and 1926) if such are applicable.

The specific requirements of this HASP include precautions for hazards that exist during this project and may be revised as new information is received or as site conditions change.

- This HASP must be signed by all Haley & Aldrich personnel involved in implementation of the SOW (Section 2 of this HASP).
- This HASP, or a current signed copy, must be retained at all times when Haley & Aldrich staff are present.
- Revisions to this HASP must be outlined within the contents of the HASP. If immediate or minor changes are necessary, the Field Safety Manager (FSM), Haley & Aldrich, SSO and/or Project Manager (PM) may use Attachment 1 (HASP Amendment Form), presented at the end of this HASP. Any revision to the HASP requires employees and subcontractors to be informed of the changes so that they understand the requirements of the change.
- Deviations from this HASP are permitted with approval from the Haley & Aldrich FSM, PM, or Senior Health & Safety Manager (SHSM). Unauthorized deviations may constitute a violation of Haley & Aldrich company procedures/policies and may result in disciplinary action.
- This HASP will be relied upon by Haley & Aldrich's subcontractors and visitors to the site. Haley & Aldrich's subcontractors must have their own HASP which will address hazards specific to their trade that is not included in this HASP. This HASP will be made available for review to Haley & Aldrich's subcontractors and other interested parties (e.g. Facility personnel and regulatory agencies) to ensure that Haley & Aldrich has properly informed our subcontractors and others of the potential hazards associated with the implementation of the SOW to the extent that Haley &Aldrich is aware.

This site-specific HASP provides only site-specific descriptions and work procedures. General safety and health compliance programs in support of this HASP (e.g., injury reporting, medical surveillance, personal protective equipment (PPE) selection, etc.) are described in detail in the Haley &Aldrich Corporate Health and Safety Program Manual and within Haley & Aldrich's Standard Operating Procedures Both the manual and SOPs can be located on the Haley & Aldrich's Company Intranet. When appropriate, users of this HASP should always refer to these resources and incorporate to the extent possible. The manual and SOPs are available to clients and regulators upon request.

Note: This HASP is developed for Haley & Aldrich purposes only and not for use by others.

EMERGENCY EVENT PROCEDURES

1 - ASSESS THE SCENE

- **STOP WORK**
- Review the situation and ascertain if it's safe to enter the area.
- Evacuate the site if the conditions are unsafe.

2 - EVALUATE THE EMERGENCY

- **Call 911, or designated emergency number, if required.**
- **Provide first aid for the victim if qualified and safe to do so.**
  - First aid will be addressed using the onsite first aid kit. *
    - If providing first aid, remember to use proper first aid universal precautions if blood or bodily fluids are present.
- **If exposure to hazardous substance is suspected, immediately vacate the contaminated area.**
  - Remove any contaminated clothing and/or equipment.
  - Wash any affected dermal/ocular area(s) with water for at least 15 minutes.
  - Seek immediate medical assistance if any exposure symptoms are present.

** Note: Haley & Aldrich employees are not required or expected to administer first aid / CPR to any Haley & Aldrich staff member, Contractor, or Civilian personnel at any time; it is Haley & Aldrich´s position that those who do are doing so on their own behalf and not as a function of their job.*

3 - SECURE THE AREA

- **Cordon off the incident area, if possible.**
  - Notify any security personnel, if required.
  - Escort all non-essential personnel out of the area, if able.

4 - REPORT ON-SITE ACCIDENTS / INCIDENTS TO PM / SSO

- **Notify the PM and SSO as soon as it is safe to do so.**
  - Assist PM and SSO in completing any additional tasks, as required.

5 - INVESTIGATE / REPORT THE INCIDENT

- **Record details of the incident for input to the Gensuite.**
  - Complete any additional forms as requested by the PM and SSO.

6 - TAKE CORRECTIVE ACTION

- **Implement corrective actions per the PM following root cause analysis.**
  - Complete Lessons Learned form.

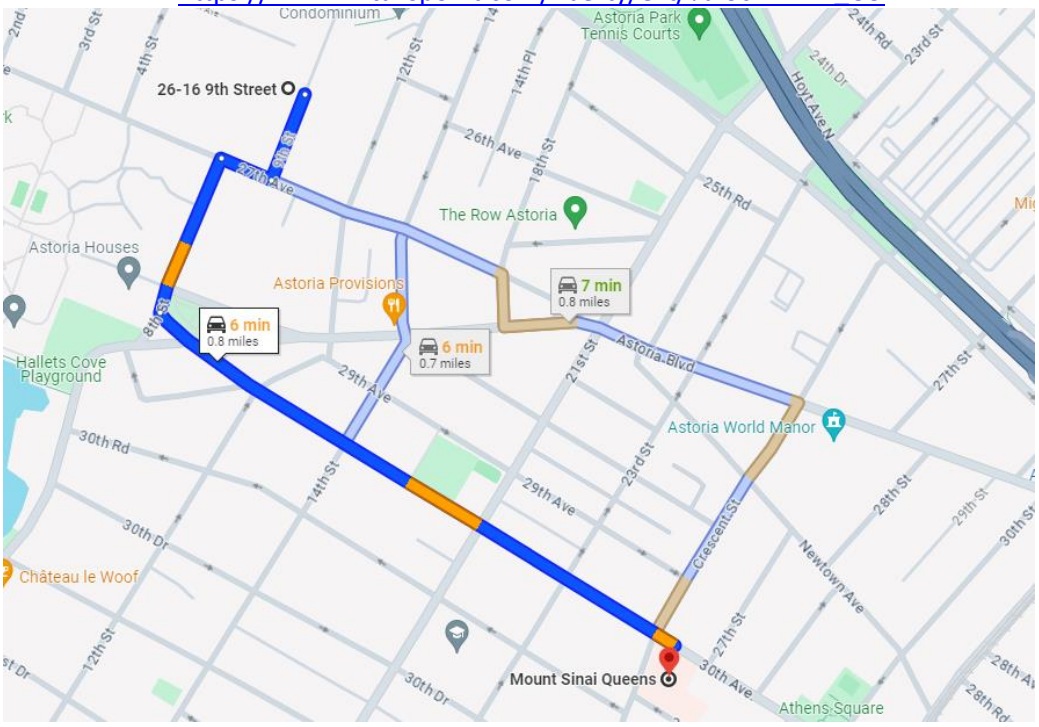
Note: This HASP is developed for Haley & Aldrich purposes only and not for use by others.

PROJECT INFORMATION AND CONTACTS	
Project Name: Astoria Cove Development	**Haley & Aldrich File No.:** 0211417
Location: 26-10 9th Street, Queens, NY	
Client/Site Contact: Phone Number:	**Mike Strohli** 347.773.4320
Haley & Aldrich Field Representative: Phone Number: Emergency Phone Number:	**Calvin Jackson** 929.729.1243 914.343.4057
Haley & Aldrich Project Manager: Phone Number: Emergency Phone Number:	**Matthew Levy** 646.893.4733 516.666.5382
Field Safety Manager: Office Phone Number: Cell Phone Number:	**Luke McCartney** 646.568.9357 551.655.7720
Subcontractor Project Manager: Phone Number:	**Luis Cruz** (CAD3 Construction & Development) 347.773.3427
Nearest Hospital: Address: (see map on next page) Phone Number:	**Mount Sinai Queens** 25-10 30th Avenue Long Island City, NY 11102 718.932.1000
Nearest Occ. Health Clinic: http://www.talispoint.com/liberty/ext/ Address: (see map on next page) Phone Number:	**Mobile Health Corporate** 11-25 44th Rd Queens, NY 11101 212.695.5122
Liberty Mutual Claim Policy	**WC6-Z11-254100-035**
WorkCare Injury & Illness Hotline	**1-888-449-7787**
Emergency Response Number:	**911**
Other Local Emergency Response Number:	N/A
Other Ambulance, Fire, Police, or Environmental Emergency Resources:	911

Note: This HASP is developed for Haley & Aldrich purposes only and not for use by others.

DIRECTIONS TO THE NEAREST HOSPITAL

https://www-lv.talispoint.com/liberty/ext/?uloc=MAIN_CU



Directions to the Nearest Hospital:

6 min (0.8 mile)

via 30th Ave.

Best route, despite the usual traffic

26-16 9th St
Long Island City, NY 11102

↑ Head south on 9th St toward 27th Ave

394 ft

↱ Turn right onto 27th Ave

236 ft

↰ Turn left onto 8th St

0.1 mi

↰ Turn left onto 30th Ave.
ⓘ Destination will be on the right

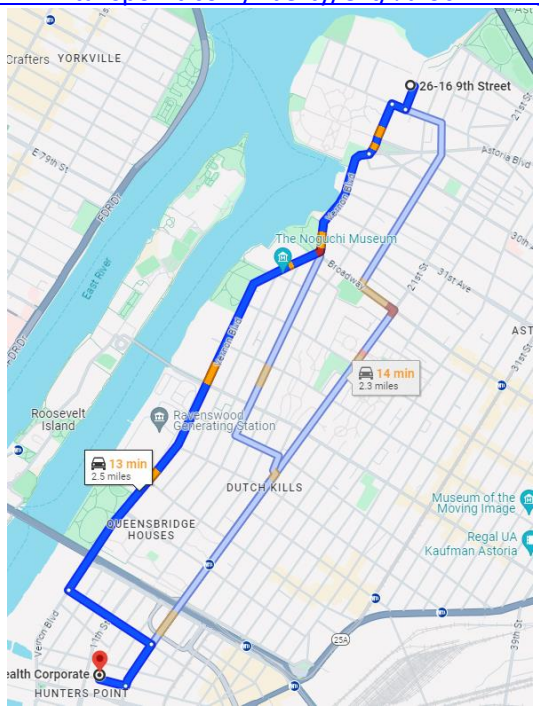
0.5 mi

Mount Sinai Queens
25-10 30th Ave., Long Island City, NY 11102

Note: This HASP is developed for Haley & Aldrich purposes only and not for use by others.

DIRECTIONS TO THE NEAREST URGENT CARE

https://www-lv.talispoint.com/liberty/ext/?uloc=MAIN_CU



Directions to the Nearest Occupational Clinic:

Paste map and directions showing route to nearest hospital here.

13 min (2.5 miles)

via Vernon Blvd

Fastest route, despite the usual traffic

26-16 9th St
Long Island City, NY 11102

- Head south on 9th St toward 27th Ave — 394 ft
- Turn right onto 27th Ave — 236 ft
- Turn left onto 8th St — 0.2 mi
- 8th St turns right and becomes Vernon Blvd — 1.7 mi
- Turn left onto 43rd Ave — 0.3 mi
- Turn right onto 21st St — 0.1 mi
- Turn right onto 44th Rd — Destination will be on the right — 430 ft

Mobile Health Corporate
11-25 44th Rd, Queens, NY 11101

Note: This HASP is developed for Haley & Aldrich purposes only and not for use by others.

1. WORK SCOPE

This Site-Specific Health and Safety Plan addresses the health and safety practices and procedures that will be exercised by all Haley & Aldrich employees participating in all work on the Project Site. This plan is based on an assessment of the site-specific health and safety risks available to Haley & Aldrich and Haley & Aldrich's experience with other similar project sites. The scope of work includes the following:

Project tasks include waste characterization, remedial oversight, and endpoint sampling.

Project Task Breakdown

Task No.	Task Description	Employee(s) Assigned	Work Date(s) or Duration
1	**Waste Characterization**	Matthew Cal	07/17/2024-07/19/2024
2	**Remedial Oversight**	Calvin Jackson	2 years
3	**Endpoint Sampling**	Calvin Jackson	6 months

Subcontractor(s) Tasks

Firm Name	Work Activity	Work Date(s) or Duration
Lakewood Environmental Services Corp.	Drilling	07/17/2024-07/19/2024
CAD3 Construction & Development	Excavation/Piling	2 years

Projected Start Date: 7/17/2024

Projected Completion Date: 7/17/2026

Note: This HASP has been developed for Haley & Aldrich purposes only and is not for use by others.

2. SITE OVERVIEW / DESCRIPTION

Site Classification

Mixed use (commercial and residential)

Site Description

The Site is located at 26-10 9th Street in the Astoria section in Queens, New York and is identified as Block 906 Lots 1 & 5, Block 907 Lot 1, Block 908 Lot 12, and Block 909 Lot 35 on the New York City Tax Map. The Site is approximately 135,940-square feet and is bounded by the East River to the north, 27th Avenue to the south, 9th Street and eight residential buildings to the east, and two open lots, a commercial building, a mixed-use commercial and residential building, and a residential building to the west. An unimproved segment of 26th Avenue and an easement for 8th Street are also present on-Site. A map of the site boundary is shown in Figure 2.

Background and Historic Site Usage

The Site was developed for industrial use in the 1930s to 1940s and has always been used for industrial, manufacturing, or commercial purposes.

Site Status

Indicate current activity status and describe operations at the site:

Active

Currently, the Site is used for storage of equipment and materials by several contractors and contains two buildings, one of which is vacant, and the other is used to store taxi vehicles, and each contain small partial basements that extend approximately 10 feet below ground surface (ft bgs), at an elevation of approximately 10 ft NAVD88.

Site Plan

Is a site plan or sketch available? Yes

Work Areas

List and identify each specific work areas(s) on the job site and indicate its location(s) on the site plan:

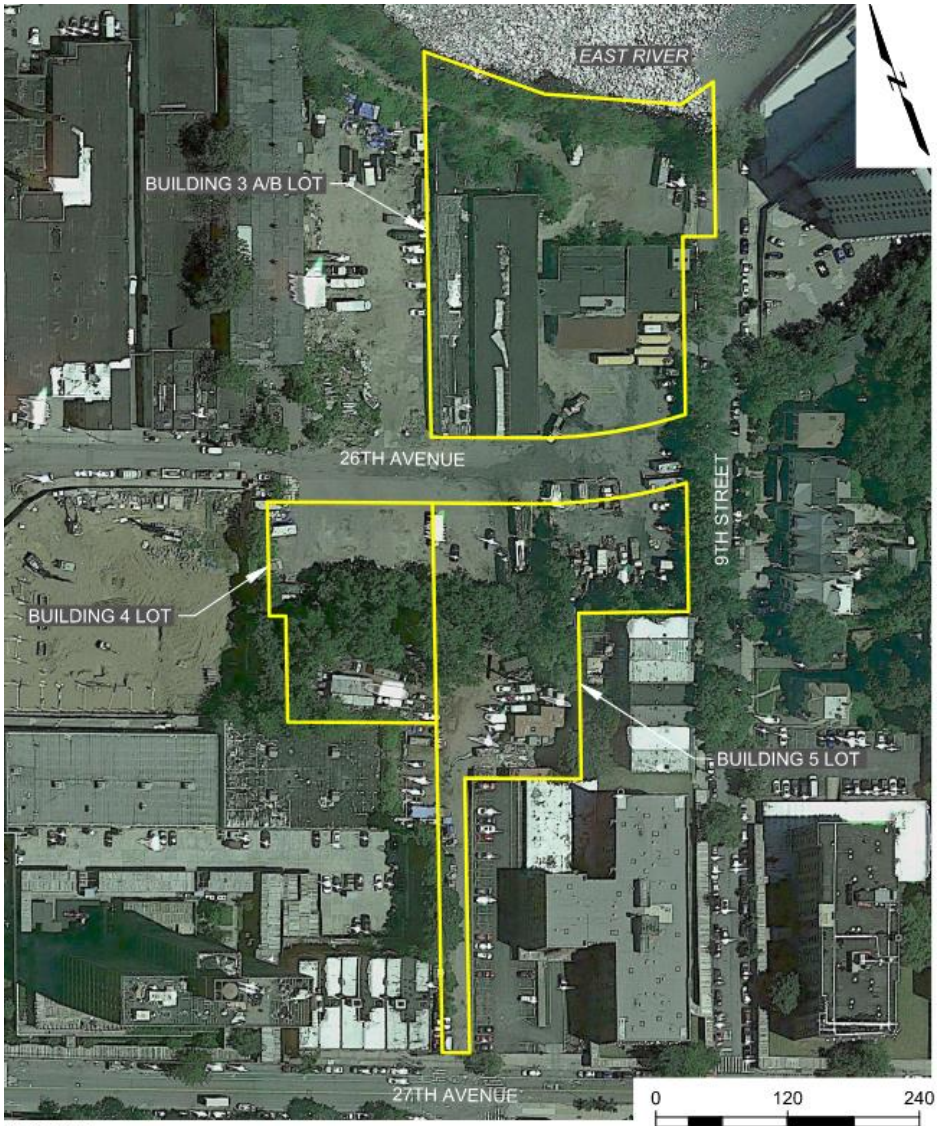
Buildings 3A/3B Lot - Queens Block 906, Lots 1 & 5 (Site Plan; top right)

Building 4 Lot - Queens Block 909, Lot 35 (Site Plan; bottom left)

Building 5 Lot - Queens Block 908, Lot 12 (Site plan; bottom right)

Note: This HASP is developed for Haley & Aldrich purposes only and not for use by others.

Site Plan



SOURCE:
GOOGLE EARTH PRO, IMAGERY DATE 6/22/2021.

Note: This HASP has been developed for Haley & Aldrich purposes only and is not for use by others.

3. HAZARD ASSESSMENT

Indicate all hazards that may be present at the site and for each task. If any of these potential hazards are checked, it is the Project Manager's responsibility to determine how to eliminate / minimize the hazard to protect onsite personnel.

Site Chemical Hazards

Is this Site impacted with chemical contamination? Yes

Source of information about contaminants: Previous Investigation

Contaminant of Concern	Location/Media	Concentration	Units
Tetrachloroethylene (PCE)	**Soil**	**38.0**	**mg/kg**
Semi Volatile Organic Compounds (SVOCs)	**Soil**	**200.0**	**mg/kg**
Lead	**Soil**	**333.0**	**mg/kg**
Mercury	**Soil**	**1.45**	**mg/kg**
Zinc	**Soil**	**265.0**	**mg/kg**
Polychlorinated biphenyls (PCBs)	**Soil**	**3.44**	**mg/kg**
Tetrachloroethylene (PCE)	**Groundwater**	**11.0**	**ug/L**
BTEX/VOCs	**Soil Vapor**	**18.89**	**ug/m^3**
Tetrachloroethylene (PCE)	**Soil Vapor**	**16.7**	**ug/m^3**

VOCs: include all organic compounds (substances made up of predominantly carbon and hydrogen) with boiling temperatures in the range of 50-260 degrees C, excluding pesticides. This means that they are likely to be present as a vapor or gas in normal ambient temperatures. Substances which are included in the VOC category include aliphatic hydrocarbons (such as hexane), aldehydes, aromatic hydrocarbons (such as benzene, toluene, and the xylenes or BTEX), and oxygenated compounds (such as acetone and similar ketones). The term VOC often is used in a legal or regulatory context and in such cases the precise definition is a matter of law.

VOCs are released from oil and gasoline refining, storage and combustion as well as from a wide range of industrial processes. Processes involving fuels, solvents, paints or the use of chemicals are the most significant sources. VOCs may also be emitted from cleaning products, degreasing products, fabrics, carpets, plastic products, glues, printed material, varnishes, wax, disinfectants, and cosmetics.

Typically, VOCs are present in gas or vapor and will enter the body by breathing contaminated air. Higher concentrations of VOCs may occur in areas of poor ventilation.

Lead: The effects of lead are the same whether it enters the body through breathing or swallowing. Lead can affect almost every organ and system in your body. The main target for lead toxicity is the nervous system. Long-term exposure to lead can result in decreased performance in some tests measuring functions of the nervous system in adults. It may also cause weakness in fingers, wrists, or

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ankles. Lead exposure also causes small increases in blood pressure, particularly in middle-aged and older people and can cause anemia. Exposure to high lead levels can severely damage the brain and kidneys and ultimately cause death.

Mercury: is an odorless, silver metallic liquid. It can be inhaled or absorbed through the skin. Contact may cause irritation to the skin or eyes. Toxic if ingested. Fume inhalation may cause irritation in the nose, throat or lungs. This is a corrosive chemical. Symptoms of poisoning include, muscle tremors, loss of appetite, and nausea. Long-term exposure may have effects on the central nervous system and kidneys. The PEL is 0.1 mg/m^3 averaged over an 8 hour shift.

Zinc: is an odorless, bluish-white powder. It is typically used in paints and can be mixed with other metals to make bass and other types of alloys. Zinc can produce flammable gases when in contact with water, sometimes creating vigorous or explosive reactions. It can also create gaseous hydrogen in contact with water or moist air. Inhalation will cause irritation to eyes and respiratory system. Exposures cause flu-like symptoms, called “metal fume fever”, which can sometimes be delayed up to 48 hours after initial exposure.

Polychlorinated biphenyls (PCBs): are a group of manufactured organic chemicals that contain 209 individual chlorinated chemicals. PCBs are either oily liquids or solids and are colorless to light yellow in color. They have no known smell or taste. There are no known natural sources of PCBs. Some commercial PCB mixtures are known in the United States by their industrial trade name e.g. Aroclor.

BTEX/VOCs: BTEX is an acronym for benzene, toluene, ethylbenzene and xylenes. These compounds are VOCs, are common in petroleum-related products (e.g., oil, gasoline, coal-tar DNAPL, etc.), and frequently co-occur at hazardous waste sites. Benzene, toluene, ethylbenzene, and xylenes have acute and chronic harmful effects on the central nervous system. Benzene is classified as a carcinogen. Short-term health effects of low-level BTEX exposure include drowsiness, dizziness, accelerated heart rate, headaches, tremors, confusion, and unconsciousness.

Site Hazards Checklist			
Weather			
Hot Temperatures	Lightning Storms	Cold Temperatures	Select Hazard

Hot Temperatures

Heat stress may occur at any time work is being performed at elevated ambient temperatures. Because heat stress is one of the most common and potentially serious illnesses associated with outdoor work during hot seasons, regular monitoring and other preventative measures are vital. Site workers must learn to recognize and treat the various forms of heat stress. The best approach is preventative heat stress management.

H&A employees and their subcontractors should be aware of potential health effects and/or physical hazards of working when there are hot temperatures or a high heat index. Refer OP1015-Heat Stress for a discussion on hot weather hazards.

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Lightning Storms

Where the threat of electrical storms and the hazard of lightning exist staff shall ensure site procedures exist to: (1) detect when lightning is in the near vicinity and when there is a potential for lightning and (2) to notify appropriate site personnel of these conditions and (3) implement protocols to stop work and seek shelter.

The 30-30 Rule states that if time between seeing the lightning and hearing the thunder is less than 30 seconds, you are in danger and must seek shelter. You must also stay indoors for more than 30 minutes after hearing the last clap of thunder.

Cold Temperatures

Cold stress may occur at any time work is being performed at low ambient temperatures and high velocity winds. Because cold stress is common and has potentially serious illnesses associated with outdoor work during cold seasons, regular monitoring and other preventative measures are vital.

Refer to OP1003-Cold Stress for additional information and mitigation controls.

Biological			
Mosquitoes	Stinging Insects	Large/Small Mammals	Choose an item.

Mosquitos

Work outdoors with temperatures above freezing will likely bring staff into contact with mosquitos. There are a variety of mosquito species that can transmit a range of diseases. Birds act as reservoirs for the viruses that can be collected by the mosquito and transmitted to a person. Majority of mosquitos are mainly a nuisance but staff need to take appropriate precautions to minimize the potential transmission of a virus that can result in one of the following diseases: West Nile, Eastern Equine Encephalitides and Western Encephalitides. Knowing some key steps that can minimize the risk of mosquito bites is, therefore, important in reducing the risks. Workers working outdoors should be aware that the use of PPE techniques is essential to preventing mosquito bites especially when working at sites where mosquitoes may be active and biting.

Use repellents containing DEET, picaridin, IR3535, and some oil of lemon eucalyptus and para-menthane-diol products provide longer-lasting protection. To optimize safety and effectiveness, repellents should be used according to the label instructions. Cover as much of your skin as possible by wearing shirts with long-sleeves, long pants, and socks whenever possible. Avoid use of perfumes and colognes when working outdoors during peak times when mosquitoes may be active; mosquitoes may be more attracted to individuals wearing perfumes and colognes.

Stinging Insects

Stinging Insects fall into two major groups: Apidae (honeybees and bumblebees) and vespids (wasps, yellow jackets, and hornets). Apidae are docile and usually do not sting unless provoked. The stinger of the honeybee has multiple barbs, which usually detach after a sting. Vespids have few barbs and can

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inflict multiple stings.

There are several kinds of stinging insects that might be encountered on the project site. Most stings will only result in a temporary injury. However, sometimes the effects can be more severe, even life-threatening depending on where you are stung and what allergies you have. Being stung in the throat area of the neck may cause edema (swelling caused by fluid build-up in the tissues) around the throat and may make breathing difficult.

In rare cases, a severe allergic reaction can occur. This can cause "anaphylaxis" or anaphylactic shock with symptoms appearing immediately or up to 30 minutes later. Symptoms include; Hives, itching and swelling in areas other than the sting site, swollen eyes/eyelids, wheezing, chest tightness, difficulty breathing, hoarse voice, swelling of the tongue, dizziness or sharp drop in blood pressure, shock, unconsciousness or cardiac arrest. Reactions can occur the first time you are stung or with subsequent stings. If you see any signs of reaction, or are unsure, call or have a co-worker call emergency medical services (e.g., 911) right away. Get medical help for stings near the eyes, nose or throat. Stay with the person who has been stung to monitor their reaction.

Staff who are allergic to bee stings are encouraged to inform their staff/project manager. If staff member carries an Epi-pen (i.e., epinephrine autoinjector) they are encouraged to inform their colleagues in case they are stung and are incapable of administering the injection. Examine site for any signs of activity or a hive/nest. If you see several insects flying around, see if they are entering/exiting from the same place. Most will not sting unless startled or attacked. Do not swat, let insects fly away on their own. If you must, walk away slowly or gently "blow" them away. If a nest is disturbed and you hear "wild" buzzing, protect your face with your hands and run from the area immediately. Wear long sleeves, long pants, and closed-toed boots. Wear light colored clothes such as khakis. Avoid brightly colored, patterned, or black clothing. Tie back long hair to avoid bees or wasps from entanglement. Do not wear perfumes, colognes or scented soaps as they contain fragrances that are attractive. If bee or wasp is found in your car, stop and leave windows open.

Location/Terrain			
Slip/Trip/Falls	Economically Depressed	Public Rd/Right of Way	Choose an item.

Slips, Trips & Falls

Slip and trip injuries are the most frequent injuries to workers. Statistics show most falls happen on the same level resulting from slips and trips. Both slips and trips result from unintended or unexpected change in the contact between the feet and the ground or walking surface. Good housekeeping, quality of walking surfaces (flooring), awareness of surroundings, selection of proper footwear, and appropriate pace of walking are critical for preventing fall accidents.

Site workers will be walking on a variety of irregular surfaces, that may affect their balance. Extra care must be taken to walk cautiously near rivers because the bottom of the riverbed maybe slick and may not be visible. Rocks, gradient changes, sandy bottoms, and debris may be present but not observable.

Take your time and pay attention to where you are going. Adjust your stride to a pace that is suitable for the walking surface and the tasks you are doing. Check the work area to identify hazards - beware of trip hazards such as wet floors, slippery floors, and uneven surfaces or terrain. Establish and utilize a

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pathway free of slip and trip hazards. Choose a safer walking route. Carry loads you can see over. Keep work areas clean and free of clutter. Communicate hazards to on-site personnel and remove hazards as appropriate.

Economically Depressed Areas

Economically depressed areas may have high crime rates. Projects involving work in and around inactive industrial sites may bring staff into contact with indigent and homeless persons. Staff could be subjected to crime that includes but may not be limited to thievery, vandalism, and violence. Prior to the start of work staff need to understand the work locations and the potential for exposure to low level crime.

Staff members should never work alone in these areas. A buddy system is required. Conduct during daylight hours. Secure equipment and vehicles. If warranted, contact the local police department for a security detail. Leave the work area immediately and contact the local authorities if staff members feel threatened or are threatened.

Public Right of Way

H&A staff and their subcontractors conducting work on public roads and/or right of ways can be exposed to vehicular traffic and expose the public to the hazards of the job site. Where a hazard exists to site workers because of traffic or haulage conditions at work sites that encroach public streets or highways, a system of traffic controls in conformance with the Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD), or state program, is required. A Temporary Traffic Control Plan (TCP) describes traffic controls to be used for facilitating vehicle and pedestrian traffic through a temporary traffic control zone TCPs are required to provide for worker protection and safe passage of traffic through and around job sites with as little inconvenience and delay as possible.

The plan may range in scope from being very detailed, to merely referencing typical drawings contained in the MUTCD. The degree of detail in the TCP depends entirely on the complexity of the situation, and TCP's should be prepared by persons knowledgeable about the fundamental principles of temporary traffic control and the work activities to be performed.

H&A Project Managers or their subcontractors need to establish appropriate control measures and obtain any permits when project work is on or encroaches public roadways. You may need flaggers or police details. Cease work and notify the field supervisor immediately if any conditions are such that safety is jeopardized. Utilize protective vehicles whenever appropriate or position equipment so in between the work and oncoming traffic.

Miscellaneous			
Extended Shift	Choose an item.	Choose an item.	Choose an item.

Extended Shift

An extended shift can include extending a workday beyond eight hours. Extended or unusual work shifts may be more stressful physically, mentally, and emotionally. Non-traditional shifts and extended work hours may disrupt the body's regular schedule, leading to increased fatigue, stress, and lack of concentration. This leads to an increased risk of operator error, injuries and/or accidents. The degree to

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which an individual is exposed to fatigue risk factors depends upon the work schedule. As both the duration of the workday and the number of days worked increase so does the fatigue risk factors. Staff Managers need to be aware of the fatigue risk factors and ensure projects are structured to mitigate these factors. Staff Members also have a responsibility to manage the personal fatigue risk factors that they can control outside of work (e.g, duration and quality of sleep, diet, drugs, and alcohol)

Fatigue is a message to the body to rest and can be eliminated with proper rest. However, if rest is not possible, fatigue can increase and becomes distressing and eventually debilitating. Fatigue symptoms, both mental and physical, vary and depend on the person and degree of overexertion. Examples include: weariness, sleepiness, irritability, reduced alertness, lack of memory, concentration and motivation, increased susceptibility to illness, depression, headache, loss of appetite, and digestive problems.

When possible, managers should limit use of extended shifts and increase the number of days worked. Working shifts longer than 8 hours generally result in reduced productivity and alertness. Additional breaks and meals should be provided when working extended shift periods. Tasks requiring heavy physical labor or intense concentration should be performed at the beginning of the shift if possible. This is an important consideration for pre-emergency planning.

Make efforts, when feasible, to ensure that unavoidable extended work shifts and shift changes allow affected employees time for adequate rest and recovery. Project Managers need to plan to have an adequate number of personnel available to enable workers to take breaks, eat meals, relax, and sleep.

Plan for regular and frequent breaks throughout the work shift. If at remote sites, ensure if possible, that there is a quiet, secluded area designated for rest and recuperation. In addition to formal breaks such as lunch or dinner, encourage use of micro breaks to change positions, move about, and shift concentration. Personnel should look to obtain an adequate quantity and quality of sleep.

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Task Hazard Summary

Task 1 (Waste Characterization) – Drilling

Drilling is conducted for a range of services that can include but are not limited to: soil characterization, environmental investigation, well installation, and ore exploration. Familiarity with basic drilling safety is an essential component of all drilling projects. Potential hazards related to drilling operations include, but are not limited to encountering underground or overhead utilities, traffic and heavy equipment, hoisting heavy tools, steel impacts, open rotation entanglement, and the planned or unexpected encountering of toxic or hazardous substances. While staff members do not operate drilling equipment, they may work in close proximity to operating drilling equipment and may be exposed to many of the same hazards as the drilling subcontractor. It is imperative that staff are aware of emergency stops and establish communication protocols with the drillers prior to the start of work.

See OP 1002 Drilling Safety for more information.

Task 1 (Waste Characterization) – Soil Sampling

Soil sampling by H&A staff on active construction sites can be conducted in conjunction with a wide range activities such as building construction, earthwork and soil management related activities. These activities can include, but are not limited to: drill spoil characterization and management during building foundation element installation, characterization of excavated soils for management/disposal/reuse during earthwork activities, and as part of environmental remedial activities such as delineation and confirmation sampling. Familiarity with basic heavy construction safety, site conditions (geotechnical and environmental), and potential soil contaminants are essential components of soil sampling performed on active sites. Potential hazards related to soil sampling at construction sites include, but are not limited to: encountering site vehicle traffic and heavy equipment operations, manual lifting, generated waste, contact or exposure to impacted soil, and encountering unknown toxic or hazardous substances. Although soil sampling is commonly performed within active excavations, from stockpiles, or within trench excavations, sampling locations and situations will vary depending on site conditions. Care should be taken while entering and exiting excavations or trenches, and when accessing (climbing up or down) soil stockpiles, ensuring that the sampling area is not being actively accessed by construction equipment. Care should also be taken with handling of potentially environmentally impacted soil during sampling, with appropriate PPE identified and used. At no time during classification activities are personnel to reach for debris near machinery that is in operation, place any samples in their mouth, or come in contact with the soils without the use of gloves. Staff will have to carry and use a variety of sampling tools, equipment, containers, and potentially heavy sample bags. It is imperative that staff are aware of emergency / communication protocols with the Contractor prior to the start of work.

Task 2 (Remedial Oversight) – Excavation/Trenching

There are multiple hazards associated with working in and around excavations and trenches including cave-ins, potential running soils, dislodged excavated soils, lack of proper access and egress. Nonfatal, and even fatal, injuries may occur in association with excavation and trenching activities with a greater

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frequency than one might expect. Causes of bodily injury, illness, or death include asphyxiation, internal injuries due to physical crushing, falling objects and toxic exposures.

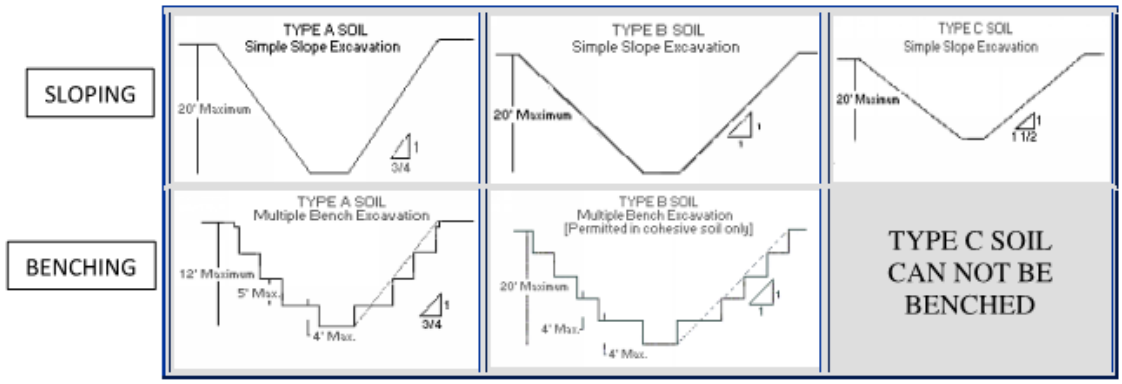
Excavations five (5) feet deep or greater require a protective system unless the excavation is made entirely in stable rock. If the depth is less than five (5) feet deep, a competent person may determine that a protective system is not required. Trenches 20 feet deep or greater require that the protective system be designed by a registered professional engineer or be based on tabulated data prepared and/or approved by a registered professional.

H&A Staff Members shall not enter a trench that is five feet deep or greater unless a protective system is used or the soil(s) have been characterized and benched and/or sloped appropriately.

The following are list identifies the types of protective measures that can be used in the event a staff member is required to enter an excavation or trench.

- **Sloping** involves cutting back the trench wall at an angle inclined away from the excavation.

- **Benching** means a method of protecting workers from cave-ins by excavating the sides of an excavation to form one or a series of horizontal levels or steps, usually with vertical or near vertical surfaces between levels. Benching cannot be done in Type C soil. Below is a diagram indicating the appropriate slope angle for both sloping and benching.



- **Shoring** requires installing aluminum hydraulic or other types of supports to prevent soil movement and cave-ins.
- **Shielding** protects workers by using trench boxes or other types of supports to prevent soil cave-ins.

Designing a protective system can be complex because you must consider many factors: soil classification, depth of cut, water content of soil, changes caused by weather or climate, surcharge loads (e.g., spoil, other materials to be used in the trench) and other operations in the vicinity.

See OP 1001 Excavation and Trenching Safety for more information.

Task 2 (Remedial Oversight) - Hauling Soils Off-site

Hauling Soils Off-site is conducted for a range of services that can include but are not limited to: building, foundation, utility excavation and environmental cleanup. Familiarity with basic heavy

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construction safety is an essential component of all hauling projects. Potential hazards related to hauling soils off-site operations include, but are not limited to encountering underground or overhead utilities, traffic and heavy equipment, generated waste, and the use or unexpected encountering of toxic or hazardous substances. While staff members do not operate heavy equipment, they may work in close proximity to the equipment and may be exposed to many of the same hazards as the Contractor. Care should be taken during loading of truck/container that the staff is not in the line of fire of the loading equipment (swing radius/traffic pattern) or of the falling spoils/soil from the loading bucket or truck bed. The staff should be aware at all times of subsurface stability as a truck may tip during truck loading and unloading due items such as but not limited to uneven surface, poorly or uncompacted subsurface, thawing soils, saturated soils and proximity to excavation. It is imperative that staff are aware of emergency / communication protocols with the Contractor prior to the start of work.

Task 2 (Remedial Oversight) - Mini-Piles/Micro-Piles

Installation of mini-piles is conducted for a range of services that can include but are not limited to: bridge, dock and building foundation installation. Familiarity with basic heavy construction safety is an essential component of all pile installations. Potential hazards related to mini-pile installation include, but are not limited to encountering line of fire, underground or overhead utilities, noise, traffic and heavy equipment, overhead work, cranes or lifting equipment, slippery surfaces, and rotating equipment. While staff members do not operate heavy equipment, they will work in close proximity to the equipment and may be exposed to many of the same hazards as the Contractor. Staff should be aware at all times of all overhead hoisting operations even during pile installation. Staff should always maintain a safe distance from the rig as the installation may create all or some of the following: airborne debris and blow-back – caused by pressurized water or air; slippery/wet/muddy surfaces; limited access/egress; and, close proximity to rotating equipment. It is imperative that staff are aware of emergency / communication protocols with the Contractor prior to the start of work.

Task 3 (Endpoint Sampling) – Soil Sampling

Soil sampling by H&A staff on active construction sites can be conducted in conjunction with a wide range activities such as building construction, earthwork and soil management related activities. These activities can include, but are not limited to: drill spoil characterization and management during building foundation element installation, characterization of excavated soils for management/disposal/reuse during earthwork activities, and as part of environmental remedial activities such as delineation and confirmation sampling. Familiarity with basic heavy construction safety, site conditions (geotechnical and environmental), and potential soil contaminants are essential components of soil sampling performed on active sites. Potential hazards related to soil sampling at construction sites include, but are not limited to: encountering site vehicle traffic and heavy equipment operations, manual lifting, generated waste, contact or exposure to impacted soil, and encountering unknown toxic or hazardous substances. Although soil sampling is commonly performed within active excavations, from stockpiles, or within trench excavations, sampling locations and situations will vary depending on site conditions. Care should be taken while entering and exiting excavations or trenches, and when accessing (climbing up or down) soil stockpiles, ensuring that the sampling area is not being actively accessed by construction equipment. Care should also be taken with handling of potentially environmentally impacted soil during sampling, with appropriate PPE identified and used. At no time during classification

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activities are personnel to reach for debris near machinery that is in operation, place any samples in their mouth, or come in contact with the soils without the use of gloves. Staff will have to carry and use a variety of sampling tools, equipment, containers, and potentially heavy sample bags. It is imperative that staff are aware of emergency / communication protocols with the Contractor prior to the start of work.

Task Physical Hazards Checklist			
Potential Task Hazards	**Task 1** **Waste Characterization**	**Task 2** **Remedial Oversight**	**Task 3** **Endpoint Sampling**
Ergonomics	☒	☒	☒
Congested Area	☒	☒	☒
Generated Wastes	☒	☒	☐
Heavy Equipment	☒	☒	☐
Manual Lifting	☒	☒	☐
Underground Utilities	☒	☒	☐
Line of Fire	☒	☒	☒
Noise	☒	☒	☒
Sharp Objects	☒	☒	☐
Ground Disturbance	☒	☒	☐
Traffic	☐	☒	☐

Summary of Physical Hazards & Controls

Ergonomics

Most Work-related Musculoskeletal Disorders (WMSDs) are caused by Ergonomic Stressors. Ergonomic Stressors are caused by poor workplace practices and/or insufficient design, which may present ergonomic risk factors. These stressors include, but not limited to, repetition, force, extreme postures, static postures, quick motions, contact pressure, vibration, and cold temperatures.

WMSDs are injuries to the musculoskeletal system, which involves bones, muscles, tendons, ligaments, and other tissues in the system. Symptoms may include numbness, tightness, tingling, swelling, pain, stiffness, fatigue, and/or redness. WMSD are usually caused by one or more Ergonomic Stressors. There may be individual differences in susceptibility and symptoms among employees performing similar tasks. Any symptoms are to be taken seriously and reported immediately.

See OP1053 Ergonomics for more information.

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Controls

- Ensure workstations are ergonomically correct so bad posture is not required to complete tasks.
- Take periodic breaks over the course of the day.
- Stretch during break times.
- Break up tasks that require repetitive motion.
- Contact Corporate H&S with any ergonomic concerns

Congested Areas

Working in congested areas can expose both workers and the public to a wide range of hazards depending upon the specific activities taking place. Staff Members need to understand the work scope, work areas, equipment on-site, and internal traffic patterns to minimize or eliminate exposure potential.

Controls

- Provide barricades, fencing, warning signs/signals and adequate lighting to protect people while working in or around congested areas.
- Vehicles and heavy equipment with restricted views to the rear should have functioning back-up alarms that are audible above the surrounding noise levels. Whenever possible, use a signaler to assist heavy equipment operators and/or drivers in backing up or maneuvering in congested areas.
- Lay out traffic control patterns to eliminate excessive congestion.
- Workers in congested areas should always wear high visibility clothing.
- Be aware of Line of Fire hazards when performing work activities in congested areas.
- Hazards associated with SIMOPs should be discussed daily at Tailgate Safety Meetings.

Generated Waste

Activities on environmental sites may generate waste that requires regulated handling and disposal. Excess sample solids, decontamination materials, poly sheeting, used PPE, etc. that are determined to be free of contamination through field or laboratory screening can usually be disposed into client-approved, on-site trash receptacles. Uncontaminated wash water may be discarded onto the ground surface away from surface water bodies in areas where infiltration can occur. Contaminated materials must be segregated into liquids or solids and drummed separately for off-site disposal.

Controls

- Manage waste properly through good work practices.
- Collect, store, containerize waste, and dispose of it properly.
- All wastes generated shall be containerized in an appropriate container (i.e. open or closed top 55-gallon drum, roll-off container, poly tote, cardboard box, etc.) as directed by the PM.
- Containers should be inspected for damages or defects
- Waste containers should be appropriately labeled indicating the contents, date the container was filled, owner of the material (including address) and any unique identification number, if necessary.
- Upon completion of filling the waste container, the container should be inspected for leaks and an appropriate seal.

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Heavy Equipment

Staff must be careful and alert when working around heavy equipment, failure or breakage and limited visibility can lead to accidents and worker injury. Heavy equipment such as cranes, drills, haul trucks, or other can fail during operation increasing chances of worker injury. Equipment of this nature shall be visually inspected and checked for proper working order prior to commencement of field work. Those operating heavy equipment must meet all requirements to operate the equipment. Haley & Aldrich, Inc. staff that supervise projects or are associated with high risk projects that involve digging or drilling should use due diligence when working with a construction firm.

See OP1052 Heavy Equipment for additional information.

Controls

- Only approach equipment once you have confirmed contact with the operator (e.g., operator places the bucket on the ground).
- Always maintain visual contact with operators and keep out of the strike zone whenever possible.
- Always be alert to the position of the equipment around you.
- Always approach heavy equipment with an awareness of the swing radius and traffic routes of all equipment and never go beneath a hoisted load.
- Avoid fumes created by heavy equipment exhaust.

Manual Lifting/Moving

Most materials associated with investigation, remedial, or construction-related activities are moved by hand. The human body is subject to damage in the forms of back injury, muscle strains, and hernia if caution is not observed in the handling process.

Controls

- Under no circumstances should any one person lift more than 49 pounds unassisted.
- Always push, not pull, the object when possible.
- Size up the load before lifting. If it is heavy or clumsy, get a mechanical aid or help from a worker.
- Bend the knees; it is the single most important aspect of lifting.
- When performing the lift:
    - Place your feet close to the object and center yourself over the load.
    - Get a good handhold.
    - Lift straight up, smoothly and let your legs do the work, not your back!
    - Avoid overreaching or stretching to pick up or set down a load.
    - Do not twist or turn your body once you have made the lift.
    - Make sure beforehand that you have a clear path to carry the load.
    - Set the load down properly.

Underground Utilities

Various forms of underground/overhead utility lines or conveyance pipes may be encountered during site activities. Prior to the start of intrusive operations, utility clearance is mandated, as well as obtaining authorization from all concerned public utility department offices. Should intrusive operations cause equipment to come into contact with utility lines, the SHSO, Project Manager, and Regional H&S Manager shall be notified immediately. Work will be suspended until the client and applicable utility agency is contacted and the appropriate actions for the situation can be addressed.

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See OP1020 Work Near Utilities for complete information.

Controls

- Obtain as-built drawings for the areas being investigated from the property owner;
- Visually review each proposed soil boring locations with the property owner or knowledgeable site representative;
- Perform a geophysical survey to locate utilities;
- Hire a private line locating firm to determine location of utility lines that are present at the property;
- Identifying a no-drill or dig zone;
- Hand dig or use vacuum excavation in the proposed ground disturbance locations if insufficient data is unavailable to accurately determine the location of the utility lines.

Line of Fire

Line of fire refers to the path an object will travel. Examples of line of fire situations typically observed on project sites include lifting/hoisting, lines under tension, objects that can fall or roll, pressurized objects or lines, springs or stored energy, work overhead, vehicles and heavy equipment.

Controls

- Never walk under a suspended load.
- Be aware and stay clear of tensioned lines such as cable, chain and rope.
- Be cautious of torque stresses that drilling equipment and truck augers can generate. Equipment can rotate unexpectedly long after applied torque force has been stopped.
- Springs and other items can release tremendous energy if compressed and suddenly released
- Items under tension and pressure can release tremendous energy if it is suddenly released.
- Not all objects may be overhead; be especially mindful of top-heavy items and items being transported by forklift or flatbed.
- Secure objects that can roll such as tools, cylinders, and pipes.
- Stay clear of soil cuttings or soil stockpiles generated during drilling operations and excavations, be aware that chunks of soil, rocks, and debris can fall or roll.

Noise

Working around heavy equipment (drill rigs, excavators, etc.) often creates excessive noise. The effects of noise include physical damage to the ear, pain, and temporary and/or permanent hearing loss. Workers can also be startled, annoyed, or distracted by noise during critical activities. Noise monitoring data that indicates that working within 25 feet of operating heavy equipment result in exposure to hazardous levels of noise (levels greater than 85 dBA).

See OP 1031 Hearing Conservation for additional information.

Controls

- Personnel are required to use hearing protection (earplugs or earmuffs) within 25 feet of any operating piece of heavy equipment.
- Limit the amount of time spent at a noise source.
- Move to a quiet area to gain relief from hazardous noise sources.
- Increase the distance from the noise source to reduce exposure.

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Sharp Objects

Workers who handle sharp edged objects like sheets of steel or glass are at risk of cuts. Workers who handle sharp edged objects are also at risk of cuts. Injuries may occur to hands, fingers, or legs when they are in the way of the blade, when the blade slips, or if an open blade is handled unexpectedly. Other hazards at job sites include stepping on sharp objects (e.g. wooden boards with protruding nails, sharp work-tools, chisels, etc.) and colliding with sharp and/or protruding objects.

Controls

Always be alert when handling sharps. Never look away or become distracted while handling sharp objects. Use caution when working with tools; use right tool for the job. Keep tools sharp, dull blades are a safety hazard, requiring more force to make cuts which can lead to tool slippage. Wear appropriate PPE and do not handle sharp objects (i.e., broken glass) with bare hands. Use mechanical devices, when possible. Stay away from building debris; avoid handling site debris or placing your hand where you cannot see. Watch out for barbed wire and electrical fences; cover with a car mat or equivalent to cross or walk around; use the buddy system to avoid entanglement; wear gloves. Do not leave unprotected sharps unattended. Use protective shields, cases, styrofoam blocks, etc. Pass a sharp by handing it over carefully by the handle with the blade down or retracted. Fixed open blades are prohibited. Always cut away from the body, making several passes when cutting thicker materials. Make sure blades are fitted properly into the knife. Never cut items with a blade or other sharp object on your lap. Never try to catch a blade or cutting tool that is falling.

Ground Disturbance

Ground disturbance is defined as any activity disturbing the ground. Ground disturbance activities include, but are not limited to, excavating, trenching, drilling (either mechanically or by hand), digging, plowing, grading, tunneling and pounding posts or stakes.

Because of the potential hazards associated with striking an underground utility or structure, the operating procedure for underground utility clearance shall be followed prior to performing any ground disturbance activities.

See OP1020 Working Near Utilities

Controls

Prior to performing ground disturbance activities, the following requirements should be applied:

- Confirm all approvals and agreements (as applicable) either verbal or written have been obtained.
- Request for line location has been registered with the applicable One-Call or Dial Before You Dig organization, when applicable.
    - Whenever possible, ground disturbance areas should be adequately marked or staked prior to the utility locators site visit.
- Notification to underground facility operator/owner(s) that may not be associated with any known public notification systems such as the One-Call Program regarding the intent to cause ground disturbance within the search zone.
- Notifications to landowners and/or tenant, where deemed reasonable and practicable.
- Proximity and Common Right of Way Agreements shall be checked if the line locator information is inconclusive.

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Traffic

To ensure worker protection and the safe passage of traffic through and around job sites, Site Traffic Control procedures may need to be implemented on project sites. Job zone control and traffic management are necessary when Simultaneous Operations (SIMOPS) or third parties could be at risk of injury by entering the work zone, or when the work crew is at risk of injury by other operations.

Traffic patterns shall be evaluated. Conditions such as high pedestrian traffic, peak periods, daily deliveries or SIMOPS known, Heavy equipment traffic volume and light duty traffic volume shall be evaluated

Early identification and planning for site operations that require job zone control and traffic management, including SIMOPS, is the responsibility of the Project Manager and primary contractor manager. Traffic control plans shall be consistent with the Manual on Uniform Traffic Control Devices.

See OP1025 Signs, Signals, and Barricades and/or OP1043 Site Traffic Control for more information.

Controls

- Alternate walkways where possible.
- Use of the local police to direct traffic.
- Use of an air horn to alert drivers or other workers.
- Maintain good housekeeping and clean the area as work is completed.
- Use the 'buddy' or 'watchperson' system while performing work.
- Use a spotter for backing, tight maneuvers and bin/tank/equipment drop-offs.
- Use traffic control devices, field vehicles and barricades and avoid the use of caution tape.
- Park all vehicles (with wheels in a safe direction away from work) to block traffic with a flashing yellow light. Park so that access to the vehicle is away from oncoming traffic while working.
- When parking a vehicle and equipment, utilize a 'first move forward' driving practice.
- Work in an upright position, face traffic and make eye contact with drivers when possible.
- Minimize work time in traffic.
- Establish a 'Stop Work' hand signal.
- Personnel shall always wear high visibility vest

If public sites, such as public roads, bicycle paths or footpaths, are closed or rerouted, local and regulatory requirements shall be followed and traffic control permits shall be put in place. Proper traffic guiding equipment includes stop/slow paddle signs, flaggers, flashing lights and directional signs.

All personnel on-site should be aware of the plan of the day and the Traffic Control Plan should be communicated with all parties involved during the pre-shift meeting.

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4. PROTECTIVE MEASURES

The personal protective equipment and safety equipment (if listed) is specific to the associated task. The required PPE and equipment listed must be onsite during the task being performed. Work shall not commence unless the required PPE or Safety Equipment is present.

Required Safety & Personal Protective Equipment

Required Personal Protective Equipment (PPE)	**Task 1**	**Task 2**	**Task 3**	**Task 4**
	Waste Characterization	Remedial Oversight	Endpoint Sampling	Enter task description.
Hard hat	☐	☒	☒	☐
Safety Glasses	☒	☒	☒	☐
Safety Toed Shoes	☒	☒	☒	☐
Class 2 Safety Vest	☒	☒	☒	☐
Hearing Protection	☒	☒	☒	☐
Nitrile Gloves	☒	☒	☒	☐
Cut Resistant Gloves	☒	☒	☒	☐
Level of protection required	D	D	D	Select
Required Safety Equipment				
First Aid Kit	☒	☒	☒	☐
Eyewash Bottles	☒	☒	☒	☐

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5. TRAINING REQUIREMENTS

The table below lists the training requirements staff must have respective to their assigned tasks and that are required to access the Site.

Site Specific Training Requirements
HAZWOPER - 40 Hour (Initial)
HAZWOPER - 8 Hour (Annual Refresher)
Site Specific Orientation – provided by client subcontractor on-Site

Task Specific Training Requirements

Required Training Type	**Task 1**	**Task 2**	**Task 3**	**Task 4**
	Waste Characterization	Remedial Oversight	Endpoint Sampling	Enter task description.
HAZWOPER- 40 Hour (Initial), HAZWOPER- 8 Hour (Annual Refresher), & Site-Specific Orientation	☒	☒	☒	☐

6. AIR MONITORING PLAN AND EQUIPMENT

Exposures to airborne substances shall be fully characterized throughout project operations to ensure that exposure controls are effectively selected and modified as needed.

Is air/exposure monitoring required at this work site for personal protection? Yes

Is perimeter monitoring required for community protection? Yes

Air monitoring plan not applicable No

Air Monitoring/Screening Equipment Requirements

Photo-Ionization Detector (PID) 10.6eV

Particulate Meter (DustTrak)

The required equipment listed above must be on site. Work shall not commence unless the equipment is present and in working order.

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Monitoring Plans

Parameter/ Contaminant	Equipment	Action Level	Response Activity
VOCs	PID 10.6 eV	< 1 ppm	Continue work and monitoring.
		>1 ppm for 5 minutes	Clear Instrument and Re-Monitor the Area. Implement PPE upgrades
		>1 ppm for >5 minutes	Evacuate the area and call the FSM and/or PM for further guidance. Implement engineering controls.

Zone Location
Breathing zone and edge of Exclusion Zone.

Monitoring Interval
Continual

Parameter/ Contaminant	Equipment	Action Level	Response Activity
Particulate matter (PM10)	Dust Monitor	150 ug/m^3	Dust suppression of work area using sprayed water, if conditions persist stop work and evaluate with project management and H&S team

Zone Location
Breathing zone and edge of Exclusion Zone.

Monitoring Interval
Continual

***If chemical does not have an action level use TLV or REL, whichever is lowest, to be used as an action level. If TLV or REL are the same as PEL, cut the PEL in half for an action level.**

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7. DECONTAMINATION & DISPOSAL METHODS

All possible and necessary steps shall be taken to reduce or minimize contact with chemicals and contaminated/impacted materials while performing field activities (e.g., avoid sitting or leaning on, walking through, dragging equipment through or over, tracking, or splashing potential or known contaminated/impacted materials.)

Personal Hygiene Safeguards

The following minimum personal hygiene safeguards shall be adhered to:

1. No smoking or tobacco products in any project work areas.
2. No eating or drinking in the exclusion zone.
3. It is required that personnel present on site wash hands before eating, smoking, taking medication, chewing gum/tobacco, using the restroom, or applying cosmetics and before leaving the site for the day.

It is recommended that personnel present on site shower or bathe at home at the end of each day of working on the site.

Decontamination Supplies

All decontamination should be conducted at the project site in designated zones or as dictated by Client requirements. Decontamination should not be performed on Haley & Aldrich owned or leased premises.

☐ Acetone	☐ Distilled Water	☐ Polyethylene Sheeting
☒ Alconox Soap	☐ Drums	☐ Pressure/Steam Cleaner
☒ Brushes	☐ Hexane	☒ Tap Water
☒ Disposal Bags	☐ Methanol	☐ Wash tubs
☒ 5 Gallon Buckets	☒ Paper Towels	☐ Other: Specify

Location of Decontamination Station

Decontamination will take place prior to leaving the site at the exit.

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Standard Personal Decontamination Procedures

Outer gloves and boots should be decontaminated periodically as necessary and at the end of the day. Brush off solids with a hard brush and clean with soap and water or other appropriate cleaner whenever possible. Remove inner gloves carefully by turning them inside out during removal. Wash hands and forearms frequently. It is good practice to wear work-designated clothing while on-site which can be removed as soon as possible. Non-disposable overalls and outer work clothing should be bagged onsite prior to laundering. If gross contamination is encountered on-site contact the Project Manager and Field Safety Manager to discuss proper decontamination procedures.

The steps required for decontamination will depend upon the degree and type of contamination but will generally follow the sequence below.

1. Remove and wipe clean hard hat
2. Rinse boots and gloves of gross contamination
3. Scrub boots and gloves clean
4. Rinse boots and gloves
5. Remove outer boots (if applicable)
6. Remove outer gloves (if applicable)
7. Remove Tyvek coverall (if applicable)
8. Remove respirator, wipe clean and store (if applicable)
9. Remove inner gloves (if outer gloves were used)

PPE that is not grossly contaminated can be bagged and disposed in regular trash receptacles.

Small Equipment Decontamination

Pretreatment of heavily contaminated equipment may be conducted as necessary:

1. Remove gross contamination using a brush or wiping with a paper towel
2. Soak in a solution of Alconox and water (if possible)
3. Wipe off excess contamination with a paper towel

Standard decontamination procedure:

4. Wash using a solution of Alconox and water
5. Rinse with potable water
6. Rinse with methanol (or equivalent)
7. Rinse with distilled/deionized water

Inspect the equipment for any remaining contamination and repeat as necessary.

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Disposal Methods

Procedures for disposal of contaminated materials, decontamination waste, and single use personal protective equipment shall meet applicable client, locate, State, and Federal requirements.

Disposal of Single Use Personal Protective Equipment

PPE that is not grossly contaminated can be bagged and disposed in regular trash receptacles. PPE that is grossly contaminated must be bagged (sealed and field personnel should communicate with the Project Manager to determine proper disposal.

Disposal Method for Contaminated Soil

- Contaminated soil cuttings and spoils must be containerized for disposal off-site unless otherwise specifically directed.
- Soil cuttings and spoils determined to be free of contamination through field screening can usually be returned to the boreholes or excavations from which they came.

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8. SITE CONTROL

The overall purpose of site control is to minimize potential contamination of workers, protect the public from the site's hazards, and prevent vandalism. Site control is especially important in emergency situations. The degree of site control necessary depends on site characteristics, site size, and the surrounding community. The following information identifies the elements used to control the activities and movements of people and equipment at the project site.

Communication

Internal
Haley & Aldrich site personnel will communicate with other Haley & Aldrich staff member and/or subcontractors or contractors with:

Face to Face Communication

External
H&S site personnel will use the following means to communicate with off-site personnel or emergency services.

Cellular Phones

Visitors

Project Site
Will visitors be required to check-in prior to accessing the project site?

Yes

Visitor Access
Authorized visitors that require access to the project site need to be provided with known information with respect to the site operations and hazards as applicable to the purpose of their site visit. Authorized visitors must have the required PPE and appropriate training to access the project site.

Matthew Cal is responsible for facilitating authorized visitor access.

Zoning

Work Zone
The work zone will be clearly delineated to ensure that the general public or unauthorized worker access is prevented. The following will be used:

Cones
Barricades
Temporary Fencing

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9. SITE SPECIFIC EMERGENCY RESPONSE PLAN

The Emergency Response Plan addresses potential emergencies at this site, procedures for responding to these emergencies, roles, responsibilities during emergency response, and training. This section also describes the provisions this project has made to coordinate its emergency response with other contractors onsite and with offsite emergency response organizations (as applicable).

During the development of this emergency response plan, local, state, and federal agency disaster, fire, and emergency response organizations were consulted (if required) to ensure that this plan is compatible and integrated with plans of those organizations. Documentation of the dates of these consultations are the names of individuals contacted is kept on file and available upon request.

The site has been evaluated for potential emergency occurrences, based on site hazards, and the major categories of emergencies that could occur during project work are:

- Fire(s)/Combustion
- Hazardous Material Event
- Medical Emergency
- Natural Disaster

A detailed list of emergency types and response actions are summarized in Table X below. Prior to the start of work, the SSO will update the table with any additional site-specific information regarding evacuations, muster points, or additional emergency procedures. The SSO will establish evacuation routes and assembly areas for the Site. All personnel entering the Site will be informed of these routes and assembly areas.

Pre-Emergency Planning

Before the start of field activities, the Project Manager will ensure preparation has been made in anticipation of emergencies. Preparatory actions include the following:

Meeting with the subcontractor/and or client concerning the emergency procedures in the event a person is injured. Appropriate actions for specific scenarios will be reviewed. These scenarios will be discussed, and responses determined before the sampling event commences. A form of emergency communication (i.e.; Cell phone, Air horn, etc.) between the Project Manager and subcontractor and/or client will be agreed on before the work commences.

A training session (i.e., “safety meeting”) given by the Project Manager or their designee informing all field personnel of emergency procedures, locations of emergency equipment and their use, and proper evacuation procedures.

Ensuring field personnel are aware of the existence of the emergency response HASP and ensuring a copy of the HASP accompanies the field team(s).

Onsite Emergency Response Equipment

Emergency procedures may require specialized equipment to facilitate work rescue, contamination control and reduction or post-emergency cleanup. Emergency response equipment stocked

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Table 9.1 Emergency Equipment and Emergency PPE			
Emergency Equipment	**Specific Type**	**Quantity Stocked**	**Location Stored**
First Aid Kit	General First Aid Kit	1	With H&A personnel
Fire Extinguisher	A/B/C	1	25 feet of Drill Rig

EVACUATION ALARM
Verbal Communication (Site Personnel are adjacent in work zone)
EVACUATION ROUTES
Will be given a map after site specific training
EVACUATION MUSTER POINT(S)/ SHELTER AREA(S)
Will be given a locations after site specific training
EVACUTION RESPONSE DRILLS
The Site relies on outside emergency responders and a drill is not required.

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Table 9-2 – Emergency Planning

Emergency Type	Notification	Response Action	Evacuation Plan/Route
Chemical Exposure	Report event to SSO immediately	Refer to Safety Data Sheet for required actions	Remove personnel from work zone
Fire - Small	Notify SSO and contact 911	Use fire extinguisher if safe and qualified to do so	Mobilize to *Muster Point*
Fire – Large/Explosion	Notify SSO and contact 911	Evacuate immediately	Mobilize to *Muster Point*
Hazardous Material – Spill/Release	Notify SSO; SSO will contact PM to determine if additional agency notification is	If practicable don PPE and use spill kit and applicable procedures to contain the release	See Evacuation Map for route, move at least 100 ft upwind of spill location
Medical – Bloodborne Pathogen	Notify SSO	If qualified dispose in container or call client or city to notify for further instruction.	None Anticipated
Medical – First Aid	Notify SSO	If qualified perform first aid duties	None Anticipated
Medical – Trauma	If life threatening or transport is required call 911, immediately	Wait at site entrance for ambulance	Noe Anticipated
Security Threat	Notify SSO who will call 911 as warranted	Keep all valuables out of site and work zones delineated.	None Anticipated
Weather – Earthquake/Tsunami's	STOP WORK and evacuate Site upon any earthquake	Turn off equipment and evacuate as soon as is safe to do so	Mobilize to *Shelter Location*
Weather – Lightning Storm	STOP WORK	Work may resume 30 minutes after the last observed lightning.	None Anticipated
Weather – Tornadoes/Hurricanes	Monitor weather conditions STOP WORK and evacuate the site	Evacuate to shelter location or shelter in place immediately	Mobilize to *Shelter Location*
MUSTER POINT Sidewalk along Wythe Avenue		*SHELTER LOCATION* Personal vehicle	
In case of site emergencies, site personnel shall be evacuated per this table and will not participate in emergency response activities. Site emergencies shall be reported to local, state, and federal governmental agencies as required.			

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10. HASP ACKNOWLEDGEMENT FORM

All Haley & Aldrich employees onsite must sign this form prior to entering the site.

I hereby acknowledge receipt of, and briefing on, this HASP prior to the start of on-site work. I declare that I understand and agree to follow the provisions, processes, and procedures set forth herein at all times while working on this site.

Printed Name	Signature	Date

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ATTACHMENT A
HASP AMENDMENT FORM

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HASP AMENDMENT FORM

This form is to be used whenever there is an immediate change in the project scope that will require an amendment to the HASP. For project scope changes associated with "add-on" tasks, the changes must be made in the body of the HASP. Before changes can be made, a review of the potential hazards must be initiated by the Haley & Aldrich Project Manager.

This original form must remain on site with the original HASP. If additional copies of this HASP have been distributed, it is the Project Manager's responsibility to forward a signed copy of this amendment to those who have copies.

Amendment No.	
Site Name	
Work Assignment No.	
Date	
Type of Amendment	
Reason for Amendment	
Alternate Safeguard Procedures	
Required Changes in PPE	

Project Manager Name (Print)	Project Manager Signature	Date

Health & Safety Approver Name (Print)	Health & Safety Approver Signature	Date

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ATTACHMENT B
TRAINING REQUIREMENTS

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TRAINING REQUIREMENTS

Health and Safety Training Requirements

Personnel will not be permitted to supervise or participate in field activities until they have been trained to a level required by their job function and responsibility. Haley & Aldrich staff members, contractors, subcontractors, and consultants who have the potential to be exposed to contaminated materials or physical hazards must complete the training described in the following sections.

The Haley & Aldrich Project Manager/FSM will be responsible for maintaining and providing to the client/site manager documentation of Haley & Aldrich staff members' compliance with required training as requested. Records shall be maintained per OSHA requirements.

40-Hour Health and Safety Training

The 40-Hour Health and Safety Training course provides instruction on the nature of hazardous waste work, protective measures, proper use of personal protective equipment, recognition of signs and symptoms which might indicate exposure to hazardous substances, and decontamination procedures. It is required for all personnel working on-site, such as equipment operators, general laborers, and supervisors, who may be potentially exposed to hazardous substances, health hazards, or safety hazards consistent with 29 CFR 1910.120.

8-hour Annual Refresher Training

Personnel who complete the 40-hour health and safety training are subsequently required to attend an annual 8-hour refresher course to remain current in their training. When required, site personnel must be able to show proof of completion (i.e., certification) at an 8-hour refresher training course within the past 12 months.

8-Hour Supervisor Training

On-site managers and supervisors directly responsible for, or who supervise staff members engaged in hazardous waste operations, should have eight additional hours of Supervisor training in accordance with 29 CFR 1910.120. Supervisor Training includes, but is not limited to, accident reporting/investigation, regulatory compliance, work practice observations, auditing, and emergency response procedures.

Additional Training for Specific Projects

Haley & Aldrich personnel will ensure their personnel have received additional training on specific instrumentation, equipment, confined space entry, construction hazards, etc., as necessary to perform their duties. This specialized training will be provided to personnel before engaging in the specific work activities including:

- Client specific training or orientation
- Competent person excavations
- Confined space entry (entrant, supervisor, and attendant)
- Heavy equipment including aerial lifts and forklifts
- First aid/ CPR
- Use of fall protection
- Use of nuclear density gauges
- Asbestos awareness

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ATTACHMENT C
ROLES AND RESPONSIBILITIES

Note: This HASP has been developed for Haley & Aldrich purposes only and is not for use by others.

SITE ROLES AND RESPONSIBILITIES

Haley & Aldrich Personnel

Field Safety Manager (FSM)

The Haley & Aldrich FSM is a full-time Haley & Aldrich staff member, trained as a safety and health professional, who is responsible for the interpretation and approval of this Safety Plan. Modifications to this Safety Plan cannot be undertaken by the PM or the SSO without the approval of the FSM.

Specific duties of the FSM include:

- Approving and amending the Safety Plan for this project
- Advising the PM and SHSOs on matter relating to health and safety
- Recommending appropriate personal protective equipment (PPE) and air monitoring instrumentation
- Maintaining regular contact with the PM and SSO to evaluate the conditions at the property and new information which might require modifications to the HASP and
- Reviewing and approving JSAs developed for the site-specific hazards.

Project Manager (PM)

The Haley & Aldrich PM is responsible for ensuring that the requirements of this HASP are implemented at that project location. Some of the PM´s specific responsibilities include:

- Assuring that all personnel to whom this HASP applies have received a copy of it;
- Providing the FSM with updated information regarding environmental conditions at the site and the scope of site work;
- Providing adequate authority and resources to the on-site SHSO to allow for the successful implementation of all necessary safety procedures;
- Supporting the decisions made by the SHSO;
- Maintaining regular communications with the SHSO and, if necessary, the FSM;
- Coordinating the activities of all subcontractors and ensuring that they are aware of the pertinent health and safety requirements for this project;
- Providing project scheduling and planning activities; and
- Providing guidance to field personnel in the development of appropriate Job Safety Analysis (JSA) relative to the site conditions and hazard assessment.

Site Health & Safety Officer (SHSO)

The SHSO is responsible for field implementation of this HASP and enforcement of safety rules and regulations. SHSO functions may include some or all of the following:

- Act as Haley & Aldrich´s liaison for health and safety issues with client, staff, subcontractors, and agencies.
- Verify that utility clearance has been performed by Haley & Aldrich subcontractors.
- Oversee day-to-day implementation of the Safety Plan by Haley & Aldrich personnel on site.

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- Interact with subcontractor project personnel on health and safety matters.
- Verify use of required PPE as outlined in the safety plan.
- Inspect and maintain Haley & Aldrich safety equipment, including calibration of air monitoring instrumentation used by Haley & Aldrich.
- Perform changes to HASP and document in Appendix A of the HASP as needed and notify appropriate persons of changes.
- Investigate and report on-site accidents and incidents involving Haley & Aldrich and its subcontractors.
- Verify that site personnel are familiar with site safety requirements (e.g., the hospital route and emergency contact numbers).
- Report accidents, injuries, and near misses to the Haley & Aldrich PM and FSM as needed.

The SHSO will conduct initial site safety orientations with site personnel (including subcontractors) and conduct toolbox and safety meetings thereafter with Haley & Aldrich employees and Haley & Aldrich subcontractors at regular intervals and in accordance with Haley & Aldrich policy and contractual obligations. The SHSO will track the attendance of site personnel at Haley & Aldrich orientations, toolbox talks, and safety meetings.

Field Personnel

Haley & Aldrich personnel are responsible for following the health and safety procedures specified in this HASP and for performing their work in a safe and responsible manner. Some of the specific responsibilities of the field personnel are as follows:

- Reading the HASP in its entirety prior to the start of on-site work;
- Submitting a completed Safety Plan Acceptance Form and documentation of medical surveillance and training to the SHSO prior to the start of work;
- Attending the pre-entry briefing prior to beginning on-site work;
- Bringing forth any questions or concerns regarding the content of the Safety Plan to the PM or the SHSO prior to the start of work;
- Stopping work when it is not believed it can be performed safely;
- Reporting all accidents, injuries and illnesses, regardless of their severity, to the SHSO;
- Complying with the requirements of this safety plan and the requests of the SHSO; and
- Reviewing the established JSAs for the site-specific hazards on a daily basis and prior to each shift change, if applicable.

Visitors

Authorized visitors (e.g., Client Representatives, Regulators, Haley & Aldrich management staff, etc.) requiring entry to any work location on the site will be briefed by the Site Supervisor on the hazards present at that location. Visitors will be escorted at all times at the work location and will be responsible for compliance with their employer´s health and safety policies. In addition, this safety plan specifies the minimum acceptable qualifications, training and personal protective equipment which are required for entry to any controlled work area; visitors must comply with these

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requirements at all times. Unauthorized visitors, and visitors not meeting the specified qualifications, will not be permitted within established controlled work areas.

SUBCONTRACTOR PERSONNEL

Subcontractor Site Representative

Each contractor and subcontractor shall designate a Contractor Site Representative. The Contractor Site Representative will interface directly with Insert Staff Name Here, the Subcontractor Site Safety Manager, with regards to all areas that relate to this safety plan and safety performance of work conducted by the contractor and/or subcontractor workforce. Contractor Site Representatives for this site are listed in the Contact Summary Table at the beginning of the Safety Plan.

Subcontractor Site Safety Manager

Each contractor / subcontractor will provide a qualified representative who will act as their Site Safety Manager (Sub-SSM). This person will be responsible for the planning, coordination, and safe execution of subcontractor tasks, including preparation of job hazard analyses (JHA), performing daily safety planning, and coordinating directly with the Haley & Aldrich SHSO for other site safety activities. This person will play a lead role in safety planning for Subcontractor tasks, and in ensuring that all their employees and lower tier subcontractors are in adherence with applicable local, state, and/or federal regulations, and/or industry and project specific safety standards or best management practices.

General contractors / subcontractors are responsible for preparing a site-specific HASP and/or other task specific safety documents (e.g., JHAs), which are, at a minimum, in compliance with local, state, and/or federal other regulations, and/or industry and project specific safety standards or best management practices. The contractor(s)/subcontractor(s) safety documentation will be at least as stringent as the health and safety requirements of the Haley & Aldrich Project specific HASP.

Safety requirements include, but are not limited to: legal requirements, contractual obligations and industry best practices. Contractors/subcontractors will identify a site safety representative during times when contractor/subcontractor personnel are on the Site. All contractor/subcontractor personnel will undergo a field safety orientation conducted by the Haley & Aldrich SHSO and/or PM prior to commencing site work activities. All contractors / subcontractors will participate in Haley & Aldrich site safety meetings and their personnel will be subject to training and monitoring requirements identified in this Safety Plan. If the contractors / subcontractors means and methods deviate from the scope of work described in Section 1 of this Safety Plan, the alternate means and methods must be submitted, reviewed and approved by the Haley & Aldrich SHSO and/or PM prior to the commencement of the work task. Once approved by the Haley & Aldrich SHSO and/or PM, the alternate means and methods submittal will be attached to this Safety Plan as an Addendum.

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ATTACHMENT D
JOB SAFETY ANALYSES

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ASTORIA COVE DEVELOPMENT

KEY TASK 1: Waste Characterization		
Subtask Category	**Potential Hazards**	**Controls**
Drilling	Heavy equipment	• Personal protective equipment, licensed drill rig operators
Soil Sampling	Slips, trips, and falls	• Take your time and pay attention to where you are going • Adjust your stride to a pace that is suitable for the walking surface and the tasks you are doing • Check the work area to identify hazards - beware of trip hazards such as wet floors, slippery floors, and uneven surfaces or terrain • Establish and utilize a pathway free of slip and trip hazards • Choose a safer walking route. • Carry loads you can see over • Keep work areas clean and free of clutter Communicate hazards to on-site personnel – remove hazards as appropriate
KEY TASK 2: Remedial Oversight		
Subtask Category	**Potential Hazards**	**Controls**
Excavation/Trenching	Heavy equipment	• Personal protective equipment, licensed excavator operators
Excavation Trenching	General site hazards/Slips, trips, and falls	• See above
Hauling Soils Off-Site	Vehicle traffic/safety	• Alternate walkways where possible. • Use of the local police to direct traffic. • Use of an air horn to alert drivers or other workers • Maintain good housekeeping and clean the area as work is completed. • Use the ´buddy´ or ´watchperson´ system while performing work • Use a spotter for backing, tight maneuvers and bin/tank/equipment drop-offs. • Use traffic control devices, field vehicles and barricades and avoid the use of caution tape. • Park all vehicles (with wheels in a safe direction away from fieldwork) to block traffic with a flashing yellow light. Also, park so that access to the vehicle is away from oncoming traffic while you are working. • When parking a vehicle and equipment utilized a ´first move forward´ driving practice. • Work in an upright position, facing traffic when possible. • Make eye contact with vehicle drivers so that they can recognize your presence.

Note: This HASP has been developed for Haley & Aldrich purposes only and is not for use by others.

		• Minimize work time in traffic. • Establish a ´Stop Work´ hand signal.
Hauling Soils Off-Site	General site hazards/Slips, trips, and falls	• See above
Mini/Micro Piles	Noise reduction	Administrative measures include: • identifying hearing protection zones and clearly sign-posting noisy areas • increasing the distance between noise sources and workers the further away the noise source is, the less harmful its effect on workers will be • minimizing the number of individuals working in a noisy area keeping individuals out of the area if their job does not require them to be there • providing rest breaks in areas away from a noisy work environment • providing sufficient information, instructions and training to the workers for the proper use of work equipment. PPE Measures include: • Wear hearing protection while drilling in progress.
Mini/Micro Piles	General site hazards/Slips, trips, and falls	• See above
KEY TASK 3: Endpoint Sampling		
Subtask Category	**Potential Hazards**	**Controls**
Soil Sampling	Lifting	• You know where you are going • The area around the load is clear of • obstacles • Doors are open and there is nothing on the floor that could trip someone or make them slip • You have a good grip on the load • Your hands, the load and any handles are not slippery • If you are lifting with someone else, both of you know what you are doing before you start You should adopt the following technique when lifting the load: • Put your feet around the load and your body over it (if this is not feasible, try to keep your body as close possible to the load and in front of it) • Use the muscles of your legs when lifting • Keep your back straight • Pull the load as close as possible to your body • Lift and carry the load with straight arms.
Soil Sampling	General site hazards/Slips, trips, and falls	• See above
Soil Sampling	Heavy Equipment	• See above

Note: This HASP is developed for Haley & Aldrich purposes only and not for use by others.

APPENDIX H
NYSDOH CAMP Guidance Document

Appendix 1A
New York State Department of Health
Generic Community Air Monitoring Plan

Overview

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical- specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for VOCs and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate DEC/NYSDOH staff.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. “Periodic” monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or

overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions, particularly if wind direction changes. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

1. If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

2. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

3. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

4. All 15-minute readings must be recorded and be available for State (DEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

3. All readings must be recorded and be available for State (DEC and NYSDOH) and County Health personnel to review.

December 2009

Appendix 1B
Fugitive Dust and Particulate Monitoring

A program for suppressing fugitive dust and particulate matter monitoring at hazardous waste sites is a responsibility on the remedial party performing the work. These procedures must be incorporated into appropriate intrusive work plans. The following fugitive dust suppression and particulate monitoring program should be employed at sites during construction and other intrusive activities which warrant its use:

1. Reasonable fugitive dust suppression techniques must be employed during all site activities which may generate fugitive dust.

2. Particulate monitoring must be employed during the handling of waste or contaminated soil or when activities on site may generate fugitive dust from exposed waste or contaminated soil. Remedial activities may also include the excavation, grading, or placement of clean fill. These control measures should not be considered necessary for these activities.

3. Particulate monitoring must be performed using real-time particulate monitors and shall monitor particulate matter less than ten microns (PM10) with the following minimum performance standards:

(a) Objects to be measured: Dust, mists or aerosols;
(b) Measurement Ranges: 0.001 to 400 mg/m3 (1 to 400,000 :ug/m3);
(c) Precision (2-sigma) at constant temperature: +/- 10 :g/m3 for one second averaging; and +/- 1.5 g/m3 for sixty second averaging;
(d) Accuracy: +/- 5% of reading +/- precision (Referred to gravimetric calibration with SAE fine test dust (mmd= 2 to 3 :m, g= 2.5, as aerosolized);
(e) Resolution: 0.1% of reading or 1g/m3, whichever is larger;
(f) Particle Size Range of Maximum Response: 0.1-10;
(g) Total Number of Data Points in Memory: 10,000;
(h) Logged Data: Each data point with average concentration, time/date and data point number
(i) Run Summary: overall average, maximum concentrations, time/date of maximum, total number of logged points, start time/date, total elapsed time (run duration), STEL concentration and time/date occurrence, averaging (logging) period, calibration factor, and tag number;
(j) Alarm Averaging Time (user selectable): real-time (1-60 seconds) or STEL (15 minutes), alarms required;
(k) Operating Time: 48 hours (fully charged NiCd battery); continuously with charger;
(l) Operating Temperature: -10 to 50^{o} C (14 to 122^{o} F);
(m) Particulate levels will be monitored upwind and immediately downwind at the working site and integrated over a period not to exceed 15 minutes.

4. In order to ensure the validity of the fugitive dust measurements performed, there must be appropriate Quality Assurance/Quality Control (QA/QC). It is the responsibility of the remedial party to adequately supplement QA/QC Plans to include the following critical features: periodic instrument calibration, operator training, daily instrument performance (span) checks, and a record keeping plan.

5. The action level will be established at 150 ug/m3 (15 minutes average). While conservative,

this short-term interval will provide a real-time assessment of on-site air quality to assure both health and safety. If particulate levels are detected in excess of 150 ug/m3, the upwind background level must be confirmed immediately. If the working site particulate measurement is greater than 100 ug/m3 above the background level, additional dust suppression techniques must be implemented to reduce the generation of fugitive dust and corrective action taken to protect site personnel and reduce the potential for contaminant migration. Corrective measures may include increasing the level of personal protection for on-site personnel and implementing additional dust suppression techniques (see paragraph 7). Should the action level of 150 ug/m3 continue to be exceeded work must stop and DER must be notified as provided in the site design or remedial work plan. The notification shall include a description of the control measures implemented to prevent further exceedances.

6. It must be recognized that the generation of dust from waste or contaminated soil that migrates off-site, has the potential for transporting contaminants off-site. There may be situations when dust is being generated and leaving the site and the monitoring equipment does not measure PM10 at or above the action level. Since this situation has the potential to allow for the migration of contaminants off-site, it is unacceptable. While it is not practical to quantify total suspended particulates on a real-time basis, it is appropriate to rely on visual observation. If dust is observed leaving the working site, additional dust suppression techniques must be employed. Activities that have a high dusting potential--such as solidification and treatment involving materials like kiln dust and lime--will require the need for special measures to be considered.

7. The following techniques have been shown to be effective for the controlling of the generation and migration of dust during construction activities:

(a) Applying water on haul roads;
(b) Wetting equipment and excavation faces;
(c) Spraying water on buckets during excavation and dumping;
(d) Hauling materials in properly tarped or watertight containers;
(e) Restricting vehicle speeds to 10 mph;
(f) Covering excavated areas and material after excavation activity ceases; and
(g) Reducing the excavation size and/or number of excavations.

Experience has shown that the chance of exceeding the 150ug/m3 action level is remote when the above-mentioned techniques are used. When techniques involving water application are used, care must be taken not to use excess water, which can result in unacceptably wet conditions. Using atomizing sprays will prevent overly wet conditions, conserve water, and provide an effective means of suppressing the fugitive dust.

8. The evaluation of weather conditions is necessary for proper fugitive dust control. When extreme wind conditions make dust control ineffective, as a last resort remedial actions may need to be suspended. There may be situations that require fugitive dust suppression and particulate monitoring requirements with action levels more stringent than those provided above. Under some circumstances, the contaminant concentration and/or toxicity may require additional monitoring to protect site personnel and the public. Additional integrated sampling and chemical analysis of the dust may also be in order. This must be evaluated when a health and safety plan is developed and when appropriate suppression and monitoring requirements are established for protection of health and the environment.

APPENDIX I
Fish And Wildlife Analysis Decision Key

Appendix 3C Fish and Wildlife Resources Impact Analysis Decision Key	If YES Go to:	If NO Go to:
1. Is the site or area of concern a discharge or spill event?	13	2
2. Is the site or area of concern a point source of contamination to the groundwater which will be prevented from discharging to surface water? Soil contamination is not widespread, or if widespread, is confined under buildings and paved areas.	13	3
3. Is the site and all adjacent property a developed area with buildings, paved surfaces and little or no vegetation?	4	9
4. Does the site contain habitat of an endangered, threatened or special concern species?	Section 3.10.1	5
5. Has the contamination gone off-site?	6	14
6. Is there any discharge or erosion of contamination to surface water or the potential for discharge or erosion of contamination?	7	14
7. Are the site contaminants PCBs, pesticides or other persistent, bioaccumulable substances?	Section 3.10.1	8
8. Does contamination exist at concentrations that could exceed ecological impact SCGs or be toxic to aquatic life if discharged to surface water?	Section 3.10.1	14
9. Does the site or any adjacent or downgradient property contain any of the following resources? i. Any endangered, threatened or special concern species or rare plants or their habitat ii. Any DEC designated significant habitats or rare NYS Ecological Communities iii. Tidal or freshwater wetlands iv. Stream, creek or river v. Pond, lake, lagoon vi. Drainage ditch or channel vii. Other surface water feature viii. Other marine or freshwater habitat ix. Forest x. Grassland or grassy field xi. Parkland or woodland xii. Shrubby area xiii. Urban wildlife habitat xiv. Other terrestrial habitat	11	10
10. Is the lack of resources due to the contamination?	3.10.1	14
11. Is the contamination a localized source which has not migrated and will not migrate from the source to impact any on-site or off-site resources?	14	12
12. Does the site have widespread surface soil contamination that is not confined under and around buildings or paved areas?	Section 3.10.1	12
13. Does the contamination at the site or area of concern have the potential to migrate to, erode into or otherwise impact any on-site or off-site habitat of endangered, threatened or special concern species or other fish and wildlife resource? (See #9 for list of potential resources. Contact DEC for information regarding endangered species.)	Section 3.10.1	14
14. No Fish and Wildlife Resources Impact Analysis needed.		

APPENDIX B
Ground-Penetrating Radar Survey Report

GEOPHYSICAL ENGINEERING SURVEY REPORT

Private Property
8-01 & 8-51 26th Avenue,
Queens, NY 11102

NOVA PROJECT NUMBER:
26-5531

DATED:
February 4, 2026

PREPARED FOR:

HALEY ALDRICH

213 W 35th St 7th Floor, New York, NY 10001
Haleyaldrich.com

PREPARED BY:

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

NOVA GEOPHYSICAL SERVICES

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

February 4, 2026

Zachary P. Simmel
Project Manager
Haley & Aldrich
213 West 35th Street, 7th Floor
New York, NY 10001
O: (646) 277-5690 M: (646) 787-7669

Re: Geophysical Engineering Survey (GES) Report
Private Property
8-01 & 8-51 26th Avenue,
Queens, NY 11102

Dear Mr. Simmel,

Nova Geophysical Services (NOVA) is pleased to provide the findings of the geophysical engineering survey (GES) at the above referenced project site located at 8-01 & 8-51 26th Avenue, Queens, NY (the "Site").

INTRODUCTION TO GEOPHYSICAL ENGINEERING SURVEY (GES)

NOVA performed a geophysical engineering survey (GES) consisting of a Ground Penetrating Radar (GPR) and Electromagnetic (EM) survey at the site. The purpose of this survey is to locate and identify utilities, underground storage tanks and other substructures at the project site on February 3rd, 2026.

The equipment selected for this investigation was a GSSI UtilityScan 350 MHz ground penetrating radar (GPR) with a shielded antenna Sensors and Software Noggin 250 MHz GPR with a shielded antenna and a RadioDetection RD7100 Electromagnetic utility locator. A GPR system consists of a radar control unit, control cable, and transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 250/350 MHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control

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

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

GEOPHYSICAL METHODS

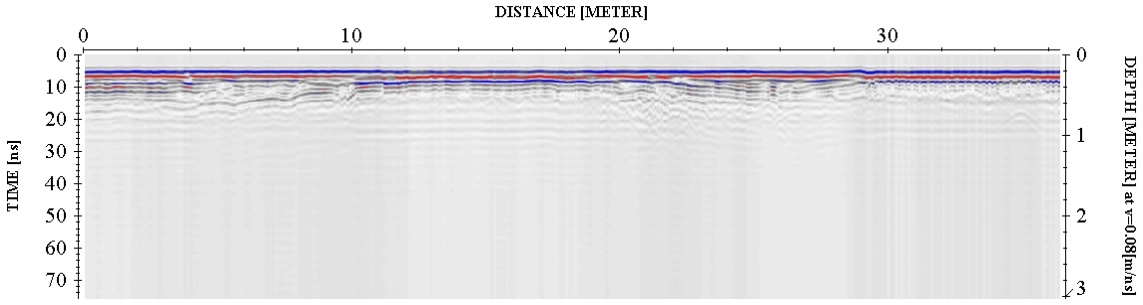
The project site was screened using GPR to search the specified area and inspected for reflections, which could be indicative of substructures and utilities within the subsurface. An EM utility locator was used to help determine the locations of utilities within the survey area.

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

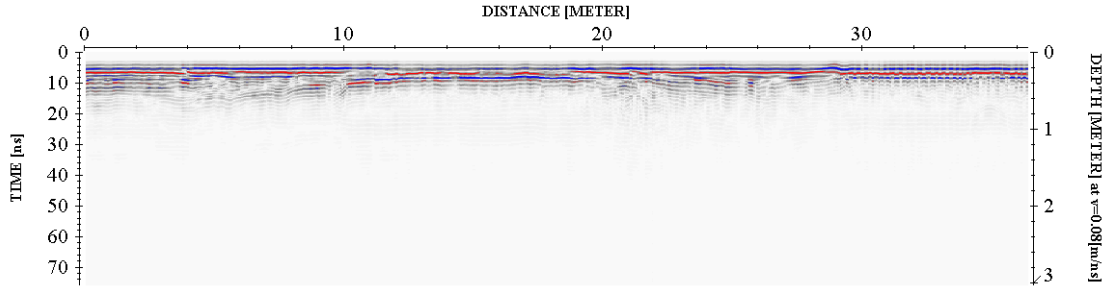
DATA PROCESSING

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

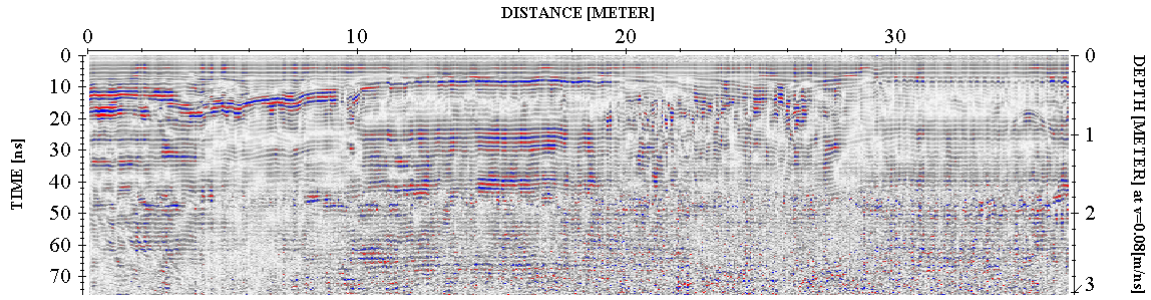
Step 1. Import Raw RAMAC data to standard processing format



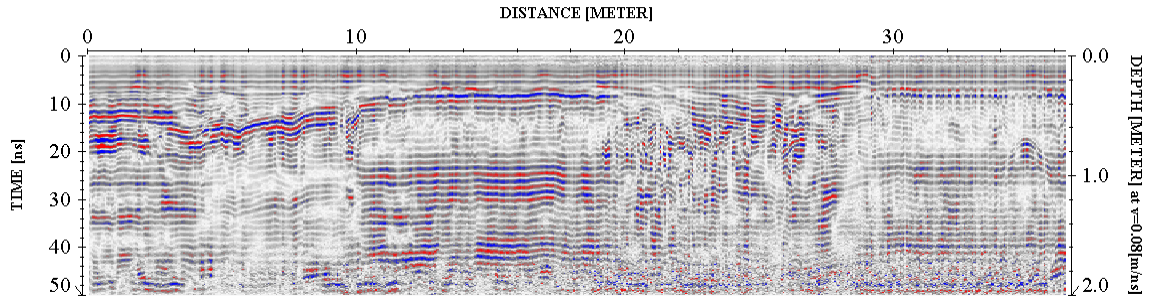
Step 2. Remove instrument noise *(dewow)*



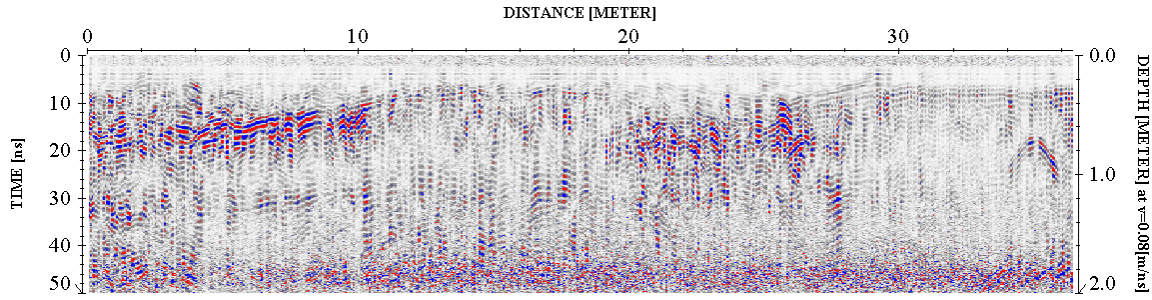
Step 3. Correct for attenuation losses *(energy decay function)*



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



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



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

PHYSICAL SETTINGS

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

Weather: Cloudy

Temperature: 18° F

Surface: Snow cover , Soil

Survey Parameters: A GPR grid scan was conducted within the survey areas as shown on the survey plan. The approximate line spacing of the grid survey was approximately 5'. Additional GPR data was collected over features of interest.

Limitations: The geophysical noise level (GNL) at the site was high due to being in an urban environment as well as construction operations occurring on-site.

RESULTS

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

- The GES identified subsurface anomalies consistent with those of underground utilities such as (sewer, drain, water, gas and electric.). The locations are shown in the survey plan.
- The GES identified all amin utility lines run along 26th Ave.
- The GES identified a linear anomaly originating from the site and exiting toward 26th Avenue. Approximate locations are shown in the survey area.
- The GES cleared and marked all proposed boring locations. Markings were adjusted in areas where anomalies were identified, and alternate boring locations were proposed. A total of seventeen (17) boring locations were cleared and marked. The approximate locations are shown in the survey map

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

Sincerely,

NOVA Geophysical Services

Levent Eskicakit, P.G., E.P.
Project Manager

Attachments:

Location Map
Survey Plan
Geophysical Images

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

Location Map

SITE:	**Private Property** 8-01 & 8-51 26th Avenue Queens, NY 11102
CLIENT:	Haley & Aldrich
DATE:	February 3rd , 2026
AUTH:	Daniel Ortiz

LEGEND

Survey area

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

SURVEY PLAN

SITE:	**Private Property** 8-01 & 8-51 26th Avenue Queens, NY 11102
CLIENT:	Haley & Aldrich
DATE:	February 3rd , 2026
AUTH:	Daniel Ortiz & Ethan Siegenthaler

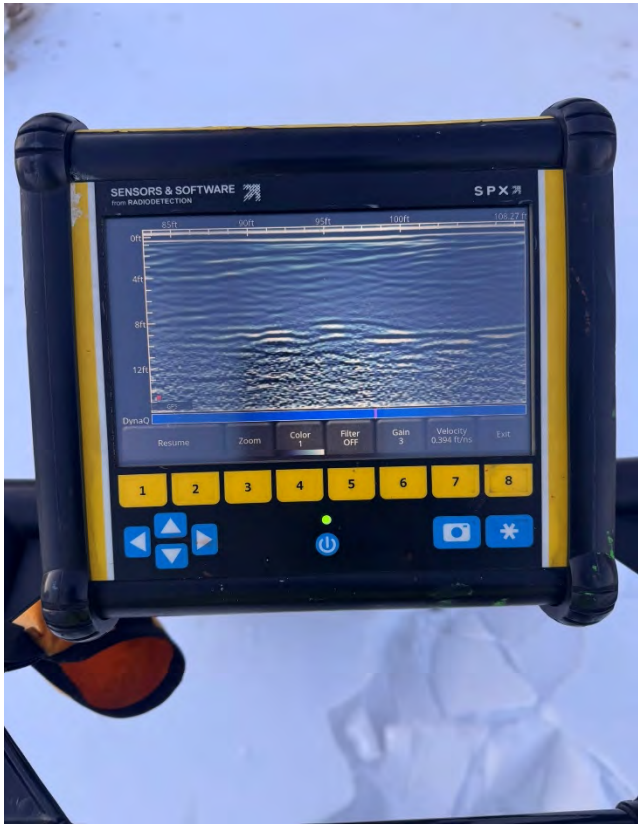
LEGEND

- Proposed Boring Location
- Hydrant
- Electric Manhole
- Sewer Cover
- Electric
- Water
- Sewer Line
- Gas
- Linear Anomaly

N

Geophysical Images

Private Property
8-01 & 8-51 26th Avenue,
Queens, NY 11102
February 3r, 2026



Geophysical Images

Private Property
8-01 & 8-51 26th Avenue,
Queens, NY 11102
February 3r, 2026

Geophysical Images

Private Property
8-01 & 8-51 26th Avenue,
Queens, NY 11102
February 3r, 2026

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Queens, NY 11102
February 3r, 2026

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Private Property
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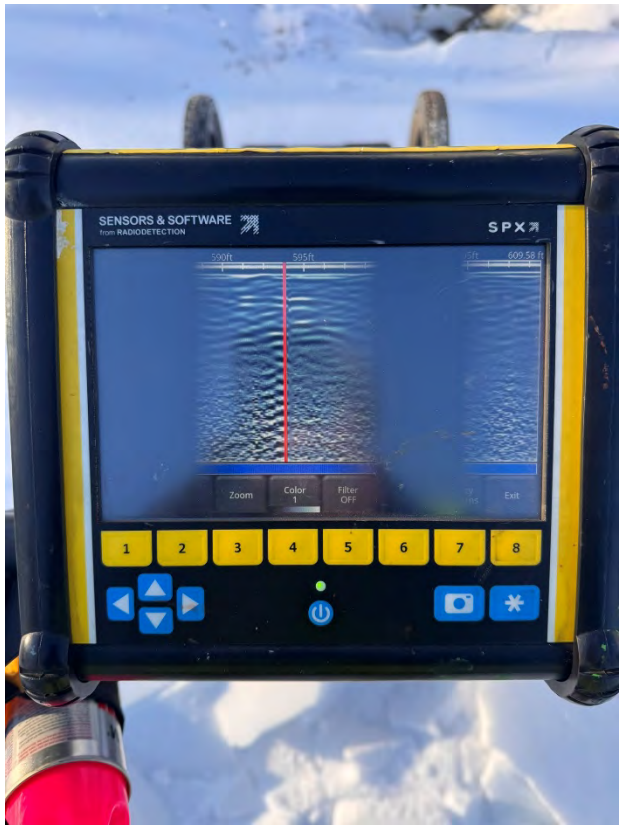
Queens, NY 11102
February 3r, 2026

Geophysical Images

Private Property
8-01 & 8-51 26th Avenue,
Queens, NY 11102
February 3rd, 2026

Geophysical Images

Private Property
8-01 & 8-51 26th Avenue,
Queens, NY 11102
February 3r, 2026



Geophysical Images

Private Property
8-01 & 8-51 26th Avenue,
Queens, NY 11102
February 3r, 2026

Geophysical Images

Private Property
8-01 & 8-51 26th Avenue,
Queens, NY 11102
February 3r, 2026

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Private Property
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February 3r, 2026

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February 3r, 2026

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February 3r, 2026

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Queens, NY 11102
February 3r, 2026

Geophysical Images

Private Property
8-01 & 8-51 26th Avenue,
Queens, NY 11102
February 3r, 2026

APPENDIX C
Soil Boring Logs

SOIL BORING LOG

BORING NO. RI-SB-01

Page 1 of 1

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue, Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson, K. O'Connor
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	2/3/2026
DRILLER	T. Savald	**DATE FINISHED**	2/3/2026

Elevation	20.27 ft.	**Datum**	NAVD 88	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Geoprobe 7822 Dt	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**20**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**3**	Direct Push	Dirt/Snow
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	43/60	0	None	Dry	0-1	Dark brown to grey fine SAND, some gravel, trace brick [FILL]	RI-SB-01_0-2 sample collected at 11:00
1					1-2	Brown to dark brown fine SAND, trace angular gravel [FILL]	
2					2-3	Pulverized white STONE [FILL]	RI-SB-01_2-4 sample collected at 11:05
3					3-4	Black fine SAND, trace angular gravel [FILL]	
4					4-5	Brown medium SAND, some rounded gravel [SP]	Fill terminates at 4 ft bgs
5	43/60				5-10	Brown fine to medium SAND, trace coarse brown sand, trace silt [SP]	
6							
7							
8							
9							
10	41/60				10-12	Same as above [SP]	RI-SB-01_10-12 sample collected at 11:10
11							
12					12-15	Light brown fine SAND, trace silt [SP]	
13							
14				⋁			
15	41/60			Moist Wet	15-16	Light brown silty SAND [SP]	
16					16-20	Black and white fine SAND, trace red sand, trace rounded gravel [SP]	Groundwater encountered at approximately 15 ft bgs
17							
18							
19							
20		⋁	⋁	⋁		End of boring, 20 ft bgs	
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water

Well Construction Information

Type	Depth	Notes
2-in. PVC, 10-ft, 10-slot (0.01) screen	23 ft bgs	

Summary

Overburden (Linear ft.)	20
Rock Cored (Linear ft.)	0
Number of Samples	3

BORING NO. RI-SB-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.

SOIL BORING LOG

BORING NO. RI-SB-02

Page 1 of 1

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue, Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson, K. O'Connor
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	2/6/2026
DRILLER	T. Savald	**DATE FINISHED**	2/6/2026

Elevation	15.12 ft.	**Datum**	NAVD 88	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Geoprobe 7822 Dt	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**20**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**3**	Direct Push	Dirt/Snow
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	48/60	0	None	Dry	0-1	Light brown fine SAND, some angular gravel [FILL]	RI-SB-02_0-2 sample collected at 10:15
1					1-3	Dark brown fine to medium SAND, some organics, some angular gravel [FILL]	
2							
3					3-5	Black fine SAND, some asphalt, some pulverized stone, trace brick [FILL]	
4							
5	40/60				5-6	Black and brown fine SAND, some angular gravel [FILL]	
6					6-7	Pulverized white STONE [FILL]	
7					7-10	Black fine SAND, some angular gravel [FILL]	RI-SB-02_7-9 sample collected at 10:20
8							
9							
10	56/60				10-12	Brown and black fine SAND, some angular gravel, some trash, trace brick [FILL]	
11							
12					12-15	Dark brown fine SAND, asphalt, some angular gravel [FILL]	
13							RI-SB-02_13-15 sample collected at 10:25
14				∨			
15				Moist			Fill terminates at 15 ft bgs
	16/60			Wet	15-18	Grey fine SAND, some silt [SP]	
16							Groundwater encountered at approximately 15 ft bgs
17							
18					18-20	Coarse grey SAND [SP]	
19							
20		∨	∨	∨		End of boring, 20 ft bgs	
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water

Well Construction Information

Type	Depth	Notes
2-in. PVC, 10-ft, 10-slot (0.01) screen	20 ft bgs	

Summary

Overburden (Linear ft.)	20
Rock Cored (Linear ft.)	0
Number of Samples	3

BORING NO. RI-SB-02

***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.

SOIL BORING LOG

BORING NO. RI-SB-03

Page 1 of 1

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue, Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson, K. O'Connor
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	2/3/2026
DRILLER	T. Savald	**DATE FINISHED**	2/3/2026

Elevation	20.59 ft.	**Datum**	NAVD 88	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Geoprobe 7822 Dt	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**20**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**3**	Direct Push	Dirt/Snow
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	43/60	0	None	Dry	0-2	Dark brown to brown fine SAND, some angular gravel [FILL]	RI-SB-03_0-2 sample collected at 12:25
1							
2					2-5	Brown fine SAND [SP]	Fill terminates at 2 ft bgs
3							RI-SB-03_3-5 sample collected at 12:30
4							
5	30/60				5-7	Light brown medium SAND [SP]	
6							
7					7-8	Brown fine SAND, some silt [SP]	
8					8-10	Brown fine SAND, trace silt [SP]	
9							
10	36/60				10-11	Light brown medium to coarse SAND [SP]	RI-SB-03_10-12 sample collected at 12:35
11					11-12	Brown fine to medium SAND [SP]	
12					12-15	Brown fine SAND, some silt [SP]	
13							
14				Moist			
15	40/60				15-17	Brown medium to coarse SAND, some white pulverized stone [SP]	
16							
17				Wet	17-20	Black and brown fine to medium SAND [SP]	
18							Groundwater encountered at approximately 17 ft bgs
19							
20						End of boring, 20 ft bgs	
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water

Well Construction Information

Type	Depth	Notes
2-in. PVC, 10-ft, 10-slot (0.01) screen	23 ft bgs	

Summary

Overburden (Linear ft.)	20
Rock Cored (Linear ft.)	0
Number of Samples	3

BORING NO. RI-SB-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.

SOIL BORING LOG

BORING NO. RI-SB-04

Page 1 of 2

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson, K. O'Connor, T. Ritchie
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	2/4/2026
DRILLER	T. Savald, S.Khun	**DATE FINISHED**	2/13/2026

Elevation	29.46 ft.	**Datum**	NAVD 88	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Geoprobe 7822 Dt, Eijkelkamp CRS XL 140 DUO	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	40	**Drilling Method**	
Inside Diameter (in.)							2 refusals at 24 ft bgs with Geoprobe, sonic drilling from 20-40 ft bgs
Hammer Weight (lb.)				**Number of Samples**	4	Direct Push, Sonic	Dirt/Snow
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	20/60	0	None	Dry	0-5	Dark brown fine to medium SAND, some pulverized stone [FILL]	RI-SB-04_0-2 sample collected at 12:15
5	36/60				5-10	Dark brown fine to medium SAND, some angular gravel [FILL]	
10	32/60				10-11	Light brown fine SAND, some angular gravel [FILL]	RI-SB-04_10-12 sample collected at 12:20
							DUP-02_20260204 sample collected at 12:25
					11-14	Black to dark brown fine SAND, trace silt [FILL]	
14					14-15	Brown fine SAND, some angular gravel, some silt [FILL]	
15	41/60				15-20	Same as above [FILL]	
18							RI-SB-04_18-20 sample collected at 12:30
20	25/48				20-24	Dark brown fine to medium SAND, some silt, trace asphalt, some pulverized stone [FILL]	
24						End of Geoprobe boring, 24 ft bgs, 2 refusals	Fill terminates at 24 ft bgs
					24-26	Brown fine to medium SAND, trace fine rounded gravel [SP]	
25	51/120						
26					26-30	Dark brown to grey medium to coarse SAND, some silt, trace fine rounded gravel, trace coarse rounded gravel [SP]	
30		V	V	V			

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water

Well Construction Information

Type	Depth	Notes
2-in. PVC, 10-ft, 10-slot (0.01) screen	35 ft bgs	

Summary

Overburden (Linear ft.)	40
Rock Cored (Linear ft.)	0
Number of Samples	4

BORING NO. RI-SB-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

Soil Boring Log

Boring No. RI-SB-04

Depth (ft.)	Recovery (ft)	PID (PPM)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
30	110/120	0	N	Wet	30-38	Brown fine to medium SAND, some silt, trace cobbles, trace rounded coarse gravel, trace rounded fine gravel [SP]	Groundwater encountered at approximately 30 ft bgs
31							
32							
33							
34							
35							
36							
37							
38					38-40	Light brown fine SAND, some coarse rounded gravel, trace fine rounded gravel [SP]	
39							
40						End of Boring 40 ft bgs	

NOTES:

FILE NO. 0212609

BORING NO. RI-SB-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.

SOIL BORING LOG

BORING NO. RI-SB-05

Page 1 of 1

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson, K. O'Connor
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	2/6/2026
DRILLER	T. Savald	**DATE FINISHED**	2/6/2026

Elevation	14.45 ft.	**Datum**	NAVD 88	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Geoprobe 7822 Dt	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**20**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**4**	Direct Push	Dirt/Snow
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	58/60	0	None	Dry	0-1	Black fine SAND, some asphalt [FILL]	RI-SB-05_0-2 sample collected at 9:30
1		|	|	|			DUP-04_20260206 sample collected at 9:35
		|	|	|	1-3	Light brown to brown fine SAND, trace angular gravel, trace glass [FILL]	
2		|	|	|			
		|	|	|			
3		|	|	|			
		|	|	|	3-5	Grey to black fine SAND, some asphalt, some angular gravel, trace brick, trace pulverized stone [FILL]	
4		|	|	|			
		|	|	|			
5	32/60	|	|	|	5-6	Black fine SAND, trace asphalt [FILL]	
6		|	|	|			
		|	|	|	6-7	Light brown fine SAND, some angular gravel [FILL]	
7		|	|	|			RI-SB-05_7-9 sample collected at 9:40
		|	|	|	7-9	Black fine SAND, some angular gravel, trace silt [FILL]	
8		|	|	|			
		|	|	|			
9		|	|	|			
		|	|	|	9-10	Pulverized STONE [FILL]	
10	12/60	|	|	|	10-15	Grey to black fine SAND, some angular gravel, trace silt [FILL]	
11		|	|	|			
		|	|	|			
12		|	|	|			
		|	|	|			
13		|	|	|			RI-SB-05_13-15 sample collected at 9:45
		|	|	|			
14		|	|	|			
		|	|	⋁			
15		|	|	Moist			Fill terminates at 15 ft bgs
	30/60	|	⋁	Wet	15-16	Grey medium to coarse SAND [SP]	
16		|		|			Groundwater encountered at approximately 15 ft bgs
		|	Weak petroleum like odor	|	16-18	Brown medium SAND, some silt, some organics [SP]	
17		|		|			
		|		|			
18		|	Strong petroleum like odor	|			
		|		|	18-19	Black, stained, medium to coarse SAND, some silt [SP]	
19		|		|			
		|	None	|	19-20	Grey to brown coarse SAND [SP]	
20		⋁	None	⋁			
						End of boring, 20 ft bgs	
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water

Well Construction Information

Type	Depth	Notes
2-in. PVC, 10-ft, 10-slot (0.01) screen	20 ft bgs	

Summary

Overburden (Linear ft.)	20
Rock Cored (Linear ft.)	0
Number of Samples	4

BORING NO. RI-SB-05

***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.

SOIL BORING LOG

BORING NO. RI-SB-06

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson, T. Ritchie
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	2/13/2026
DRILLER	S. Khun	**DATE FINISHED**	2/13/2026

Elevation	30.76 ft.	**Datum**	NAVD 88	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Eijkelkamp CRS XL 140 DUO	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**40**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**3**	Sonic	Dirt/Snow
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	21/120	0	None	Dry	0-8	Brown fine SAND, trace fine angular gravel, trace brick, trace organics [FILL]	RI-SB-06_0-2 sample collected at 11:15
8					8-10	Dark brown fine SAND, trace fine angular gravel, trace asphalt [FILL]	
10	60/120				10-12	Dark grey fine SAND, trace fine angular gravel [FILL]	RI-SB-06_10-12 sample collected at 11:20
12					12-13	Pulverized CONCRETE [FILL]	
13					13-15	Brown to dark brown, fine to medium SAND, some fine angular gravel [FILL]	
15					15-16	Pulverized STONE [FILL]	
16					16-18	Brown fine SAND, trace ceramic [FILL]	
18					18-20	Light brown very fine SAND [SP]	Fill terminates at 18 ft bgs
20	58/120				20-23	Same as above [SP]	RI-SB-06_20-22 sample collected at 11:25
23					23-26	Light brown fine SAND, trace silt [SP]	
26					26-27	Light brown medium SAND [SP]	
27					27-30	Brown fine SAND, trace fine rounded gravel [SP]	
30		V	V	V			

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water

Well Construction Information

Type	Depth	Notes
2-in. PVC, 10-ft, 10-slot (0.01) screen	35 ft bgs	

Summary

Overburden (Linear ft.)	40
Rock Cored (Linear ft.)	0
Number of Samples	3

BORING NO. RI-SB-06

***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

Soil Boring Log

Boring No. RI-SB-06

Depth (ft.)	Recovery (ft)	PID (PPM)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
30		0	N	Wet	30-40	Brown to dark brown, medium to coarse SAND, some silt, trace fine rounded gravel [SP]	
31		|	|	|			
		|	|	|			
32		|	|	|			
		|	|	|			
33		|	|	|			
		|	|	|			
34		|	|	|			
		|	|	|			
		|	|	|			
35		|	|	|			
36		|	|	|			
		|	|	|			
37		|	|	|			
		|	|	|			
38		|	|	|			
		|	|	|			
39		|	|	|			
		|	|	|			
40		V	V	V		End of Boring 40 ft bgs	

NOTES:	FILE NO. 0212609	BORING NO. RI-SB-06

*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.

SOIL BORING LOG

BORING NO. RI-SB-07/SB-106_D

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson, K. O'Connor, T. Ritchie
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	2/4/2026
DRILLER	T. Savald, S.Khun	**DATE FINISHED**	3/16/2026

Elevation	29.46 ft.	**Datum**	NAVD 88	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Geoprobe 7822 Dt, Eijkelkamp CRS XL 140 DUO	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**40**	**Drilling Method**	3 refusals at 13-14 ft bgs, 1 refusal at 20 ft bgs with Geoprobe, 20-40 ft with sonic
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**7**	Direct Push, Sonic	Dirt/Snow
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	51/60	0	None	Dry	0-5	Brown fine to medium SAND, some angular gravel [FILL]	RI-SB-07_0-2 sample collected at 8:00 2/5/26
5	29/60				5-10	Brown fine to medium SAND, some angular gravel, some asphalt [FILL]	
10	43/60				10-13	Dark brown fine to medium SAND, trace silt, some scrap metal [FILL]	RI-SB-07_10-12 sample collected at 8:05 2/5/26
12				Moist			
13					13-15	Black to dark brown fine SAND, some silt [FILL]	
15	34/60			Dry	15-17	Dark brown fine to medium SAND, trace silt, some angular gravel [FILL]	
17					17-19	Brown fine SAND, some silt [SP]	Fill terminates at 17 ft bgs
19					19-20	Pulverized STONE [SP]	SB-106_D_3-5_US sample collected at 8:15 2/5/26
20						End of Geoprobe boring 20 ft bgs, 4 refusals	
	84/120				20-23	Dark grey fine SAND, some silt, trace organics [SP]	
21							RI-SB-07_20-22 sample collected at 8:30 2/13/26
		0.5					
22		0.3	Weak petroleum like odor				
23		0.5			23-24	Pulverized white STONE, some cobbles, trace coarse rounded gravel [SP]	
24		0	None		24-27		RI-SB-07_23-25 sample collected at 9:45 2/13/26
25						Black to dark grey fine SAND, trace cobbles, trace coarse rounded gravel [SP]	
26							RI-SB-07_25-27 sample collected at 9:35 on 3/16/26
27					27-30	Dark grey medium SAND, trace cobbles, trace coarse rounded gravel, trace pulverized stone [SP]	
28							RI-SB-07_27-29 sample collected at 9:40 on 3/16/26
30							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water

Well Construction Information

Type	Depth	Notes
2-in. PVC, 10-ft, 10-slot (0.01) screen	35 ft bgs	

Summary

Overburden (Linear ft.)	40
Rock Cored (Linear ft.)	0
Number of Samples	7

BORING NO. RI-SB-07

***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

Soil Boring Log

Boring No. RI-SB-07/SB-106_D

Depth (ft.)	Recovery (ft)	PID (PPM)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
30	80/120	0	N	Wet	30-33	Grey to brown medium to coarse SAND, some fine rounded gravel [SP]	
31		|	|	|			Groundwater encountered at approximately 30 ft bgs
		|	|	|			
32		|	|	|			
		|	|	|			
33		|	|	|			
		|	|	|	33-37	Brown coarse SAND, some fine rounded gravel, trace cobble [SP]	
34		|	|	|			
		|	|	|			
		|	|	|			
35		|	|	|			
36		|	|	|			
		|	|	|			
37		|	|	|			
		|	|	|	37-40	Brown fine to medium SAND, trace black fine sand, trace coarse rounded gravel, trace cobble [SP]	
38		|	|	|			
		|	|	|			
39		|	|	|			
		|	|	|			
40		V	V	V			
						End of boring 40 ft bgs	

NOTES:	FILE NO. 0212609	BORING NO. RI-SB-07/SB-106_D

*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.

SOIL BORING LOG

BORING NO. RI-SB-08

Page 1 of 1

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson, K. O'Connor
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	2/4/2026
DRILLER	T. Savald	**DATE FINISHED**	2/4/2026

Elevation	23.07 ft.	**Datum**	NAVD 88	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Geoprobe 7822 Dt	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**20**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**3**	Direct Push	Dirt/Snow
Hammer Fall (in.)							1 refusal at 15 ft bgs

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	54/60	0	None	Dry	0-1	Brown fine to medium SAND, some brick [FILL]	RI-SB-07_0-2 sample collected at 8:10
1					1-4		
2						Dark brown fine to medium SAND, some brick, some asphalt, some angular gravel [FILL]	
3							RI-SB-07_3-5 sample collected at 8:15 (+MS/MSD)
4					4-5	Brown fine SAND, some pulverized stone, trace silt [FILL]	
5	39/60				5-10	Brown fine to medium SAND, trace silt [SP]	Fill terminates at 5 ft bgs
6							
7							
8							
9							
10	60/60				10-13	Same as above [SP]	RI-SB-07_10-12 sample collected at 8:20
11							
12							
13					13-14	Brown fine SAND, some silt [SP]	
14					14-15	Pulverized STONE [SP]	
15	37/60			Moist	15-19	Brown fine SAND, some silt [SP]	
16							
17				Wet			
18							Groundwater encountered at approximately 17 ft bgs
19					19-20	Pulverized STONE [SP]	
20						End of boring, 20 ft bgs, 1 refusal	
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water

Well Construction Information

Type	Depth	Notes
2-in. PVC, 10-ft, 10-slot (0.01) screen	23 ft bgs	

Summary

Overburden (Linear ft.)	20
Rock Cored (Linear ft.)	0
Number of Samples	3

BORING NO. RI-SB-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.

SOIL BORING LOG

BORING NO. RI-SB-09

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson, K. O'Connor, T. Ritchie
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	2/5/2026
DRILLER	T. Savald, S. Khun	**DATE FINISHED**	3/16/2026

Elevation	30.07 ft.	**Datum**	NAVD 88	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Geoprobe 7822 Dt, Eijkelkamp CRS XL 140 DUO	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**40**	**Drilling Method**	
Inside Diameter (in.)							2 refusals at 15 ft bgs with Geoprobe, Sonic from 10-40 ft bgs
Hammer Weight (lb.)				**Number of Samples**	**4**	Direct Push, Sonic	Dirt/Snow
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	20/60	0	None	Dry	0-5	Light brown fine SAND, some angular gravel [FILL]	RI-SB-09_0-2 sample collected at 9:40 2/5/26
5	19/60				5-7	Dark brown fine SAND, some angular gravel [FILL]	
7					7-10	Dark brown fine SAND, some black fine sand [FILL]	
10	24/60				10-12	Dark brown fine SAND, some black fine sand, some organics [FILL]	RI-SB-09_10-12 sample collected at 9:45 2/5/26
12					12-15	Dark brown fine to medium SAND, some asphalt, some pulverized stone [FILL]	
15						End of Geoprobe boring, 15 ft bgs, refusal x2	Fill terminates at 15 ft bgs
15	70/120				15-17	Brown fine to medium SAND, trace coarse rounded gravel [SP]	
17					17-18	Pulverized STONE [GP]	
18		0.3	Weak organic like odor		18-20	Black to dark grey fine SAND, some organics, trace fine rounded gravel [SP]	
19		0.5	Strong organic like odor				
20	83/120	4.1	None		20-23	Dark grey to brown, fine to medium SAND, trace cobble, trace coarse rounded gravel [SP]	RI-SB-09_20-22 sample collected at 9:30 2/13/26
21		0.3					
22		0.5					RI-SB-09_22-24 sample collected at 8:00 3/16/26
23		0.7			23-27	Brown fine to medium SAND, some silt, trace coarse rounded gravel [SP]	
24		0.3					
25		0					
26		0					
27		2.5	Strong organic like odor		27-30	Grey fine to medium SAND, some silt, trace coarse rounded gravel [SP]	
28		68.5					
29		27.6					
30							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water

Well Construction Information

Type	Depth	Notes
2-in. PVC, 10-ft, 10-slot (0.01) screen	35 ft bgs	

Summary

Overburden (Linear ft.)	40
Rock Cored (Linear ft.)	0
Number of Samples	4

BORING NO. RI-SB-09

***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

Soil Boring Log

Boring No. RI-SB-09

Depth (ft.)	Recovery (ft)	PID (PPM)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
30	61/120	0	N	Wet	30-33	Same as above [SP]	
31		|	|	|			Groundwater encountered at approximately 30 ft bgs
		|	|	|			
32		|	|	|			
		|	|	|			
33		|	|	|			
		|	|	|	33-35		
34		|	|	|		Grey to brown fine to medium SAND, some silt, trace fine rounded gravel [SP]	
		|	|	|			
		|	|	|			
35		|	|	|	35-37	Brown to black fine to medium SAND, trace fine rounded gravel [SP]	
36		|	|	|			
		|	|	|			
37		|	|	|			
		|	|	|	37-40	Brown to grey fine SAND, some silt, trace coarse rounded gravel [SP]	
38		|	|	|			
		|	|	|			
39		|	|	|			
		|	|	|			
40		V	V	V			
						End of boring 40 ft bgs	

NOTES:	FILE NO. 0212609	BORING NO. RI-SB-09

*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.

SOIL BORING LOG

BORING NO. RI-SB-10

Page 1 of 1

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson, K. O'Connor
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	2/4/2026
DRILLER	T. Savald	**DATE FINISHED**	2/4/2026

Elevation	19.02 ft.	**Datum**	NAVD 88	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Geoprobe 7822 Dt	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**20**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**3**	Direct Push	Dirt/Snow
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	40/60	0	None	Dry	0-4	Light brown coarse SAND, some angular gravel [fill]	RI-SB-10_0-2 sample collected at 10:15
1							
2							RI-SB-10_2-4 sample collected at 10:20
3							
4					4-5	Light brown fine to medium SAND, trace rounded gravel, trace silt [SP]	Fill terminates at 4 ft bgs
5	42/60				5-10	Same as above [SP]	
6							
7							
8							
9							
10	52/60				10-12	Same as above [SP]	RI-SB-10_10-12 sample collected at 10:25
11				Moist			
12					12-15	Brown medium SAND, some rounded gravel, trace silt [SP]	
13							
14							
15	36/60			Wet	15-20	Light brown coarse SAND, trace rounded gravel [SP]	
16							Groundwater encountered at approximately 15 ft bgs
17							
18							
19							
20						End of boring, 20 ft bgs	
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water

Well Construction Information

Type	Depth	Notes
2-in. PVC, 10-ft, 10-slot (0.01) screen	23 ft bgs	

Summary

Overburden (Linear ft.)	20
Rock Cored (Linear ft.)	0
Number of Samples	3

BORING NO. RI-SB-10

***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.

SOIL BORING LOG

BORING NO. RI-SB-11

Page 1 of 1

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson, K. O'Connor
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	2/5/2026
DRILLER	T. Savald	**DATE FINISHED**	2/5/2026

Elevation	13.70 ft.	**Datum**	NAVD 88	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Geoprobe 7822 Dt	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**20**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**3**	Direct Push	Dirt/Snow
Hammer Fall (in.)							1 refusal at 9 ft bgs

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	30/60	0	None	Dry	0-5	Light brown fine to medium SAND, some gravel, some brick, trace silt [FILL]	RI-SB-11_0-2 sample collected at 13:15 (+MS/MSD)
5	31/60				5-10	Same as above [FILL]	RI-SB-11_8-10 sample collected at 13:20
10	28/60				10-13	Same as above [FILL]	RI-SB-11_11-13 sample collected at 13:25
13				Wet	13-15	Dark brown coarse SAND, rounded gravel, trace silt [SP]	Fill terminates at 13 ft bgs and groundwater encountered at approximately 13 ft bgs
15					15-20	Same as above [SP]	
20						End of boring, 20 ft bgs, 1 refusal	End of boring, 20 ft bgs, 1 refusal

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water

Well Construction Information

Type	Depth	Notes
2-in. PVC, 10-ft, 10-slot (0.01) screen	20 ft bgs	

Summary

Overburden (Linear ft.)	20
Rock Cored (Linear ft.)	0
Number of Samples	3

BORING NO. RI-SB-11

***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.

SOIL BORING LOG

BORING NO. RI-SB-12

Page 1 of 1

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson, K. O'Connor
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	2/3/2026
DRILLER	T. Savald	**DATE FINISHED**	2/3/2026

Elevation	21.80 ft.	**Datum**	NAVD 88	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Geoprobe 7822 Dt	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**20**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**3**	Direct Push	Dirt/Snow
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	44/60	0	None	Dry	0-4		RI-SB-12_0-2 sample collected at 11:45
1		|	|	|		Light brown medium SAND, trace glass, trace brick, trace angular gravel [FILL]	
		|	|	|			
2		V	|	|			
		0.1	|	|			
3		0	|	|			
		|	|	|			RI-SB-12_3-5 sample collected at 11:50
4		|	|	|			
		|	|	|	4-5	Pulverized STONE [GP]	Fill terminates at 4 ft bgs
5		|	|	|			
	38/60	V	|	|	5-10	Light brown fine to medium SAND, trace silt [SP]	
6		0.2	|	|			
7		|	|	|			
		|	|	|			
8		V	|	|			
		0	|	|			
9		|	|	|			
		|	|	|			
10		|	|	|			
	50/60	|	|	|	10-12	Light brown fine SAND, trace silt [SP]	RI-SB-12_10-12 sample collected at 11:55
11		|	|	|			
		|	|	|			
12		|	|	|			
		|	|	|			
13		|	|	|			
		|	|	|			
14		|	|	|			
		|	|	|			
15		|	|	V			
	44/60	|	|	Moist			
16		|	|	|	16-18	Dark brown coarse SAND, some rounded gravel [SP]	
		|	|	|			
17		|	|	|			
		|	|	|			
18		|	|	V			
		|	|	Wet	18-20		
19		|	|	|		Light brown fine to medium SAND, some fine to medium rounded gravel, trace silt [SP]	Groundwater encountered at approximately 18 ft bgs
		|	|	|			
20		V	V	V			
						End of boring, 20 ft bgs	
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	20
Rock Cored (Linear ft.)	0
Number of Samples	3

BORING NO. RI-SB-12

***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.

SOIL BORING LOG

BORING NO. RI-SB-13

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson, T. Ritchie
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	2/12/2026
DRILLER	S. Khun	**DATE FINISHED**	3/16/2026

Elevation	29.30 ft.	**Datum**	NAVD 88	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Eijkelkamp CRS XL 140 DUO	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**40**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**5**	Sonic	Dirt/Snow
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	38/120	0	None	Dry	0-5	Brown fine to medium SAND, trace fine angular gravel, trace coarse angular gravel, trace cobbles, trace organics, trace asphalt, trace brick, trace scrap metal [FILL]	RI-SB-13_0-2 sample collected at 11:30
5					5-7	White COBBLE [FILL]	
7					7-10	Brown to dark brown fine SAND, trace light brown medium sand, trace coarse angular gravel, trace brick [FILL]	
10	46/120				10-12	Dark grey SAND, some silt, trace coarse angular gravel [FILL]	RI-SB-12_10-12 sample collected at 11:35
12					12-18	Brown fine to medium SAND, trace coarse angular gravel, trace fine angular gravel, trace cobbles [FILL]	
18					18-20	Black fine to medium SAND, trace brown medium sand, trace asphalt, trace coarse angular gravel, trace cobbles [FILL]	
20	36/120				20-23	Dark grey fine SAND, some silt, trace fine angular gravel, trace coarse rounded gravel [FILL]	RI-SB-12_20-22 sample collected at 11:40
22							RI-SB-13_22-24 sample collected at 10:10 and DUP-01_20260316 at 10:15 on 3/16/2026
23					23-26	Pulverized STONE, trace cobbles, trace fine rounded gravel, trace coarse rounded gravel [SP]	Fill terminates at 23 ft bgs
26					26-30	Brown to light brown fine to medium SAND, trace cobble, trace rounded fine gravel, trace coarse rounded gravel [SP]	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	40
Rock Cored (Linear ft.)	0
Number of Samples	5

BORING NO. RI-SB-13

***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

Soil Boring Log

Boring No. RI-SB-13

Depth (ft.)	Recovery (ft)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
30	61/120	0	None	Wet	30-32	Grey medium SAND, some silt [SP]	
							Groundwater encountered at approximately 30 ft bgs
					32-33	Light brown coarse, SAND [SP]	
					33-34	Grey medium SAND, some silt [SP]	
					34-26		
35						Brown medium to coarse SAND, some cobbles, trace rounded coarse gravel [SP]	
					36-40	Brown medium to fine SAND, some cobbles, trace rounded coarse gravel, trace black medium sand [SP]	
40		V	V	V		End of boring, 40 ft bgs	

NOTES:	FILE NO. 0212609	BORING NO. RI-SB-13

*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.

SOIL BORING LOG

BORING NO. RI-SB-14

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson, T. Ritchie
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	2/16/2026
DRILLER	P. Nelson	**DATE FINISHED**	3/16/2026

Elevation	31.15 ft.	**Datum**	NAVD 88	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Eijkelkamp CRS XL 140 DUO	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**35**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**4**	Sonic	Dirt/Snow
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	65/120	0	None	Dry	0-10	Brown fine to medium SAND, trace organics, trace fine angular gravel, trace coarse angular gravel [FILL]	RI-SB-14_0-2 sample collected at 9:30
10	63/120				10-14	Brown fine to medium SAND, trace brick, trace cobble, trace coarse angular gravel, trace fine angular gravel [FILL]	RI-SB-14_10-12 sample collected at 9:35
14					14-19	Brown to light grey fine SAND, trace cobble, trace fine angular gravel [FILL]	
19					19-20	Brown fine SAND [SP]	Fill terminates at 19 ft bgs
20	60/120				20-22	Brown fine to medium SAND, some fine rounded gravel [SP]	RI-SB-14_20-22 sample collected at 9:40
22					22-27	Light brown fine SAND, trace fine rounded gravel [SP]	RI-SB-14_22-24 sample colelcted at 9:20 on 3/16/26
27					27-30	Light brown fine SAND, some fine rounded gravel, trace coarse rounded gravel [SP]	
30		▽	▽	▽			

Water Level Data				Well Construction Information			Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to: Water	Type	Depth	Notes	Overburden (Linear ft.)	35
							Rock Cored (Linear ft.)	0
							Number of Samples	4
							BORING NO.	**RI-SB-14**

***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

Soil Boring Log

Boring No. RI-SB-14

Depth (ft.)	Recovery (ft)	PID (PPM)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
30	36/60	0	N	Wet	30-31	Dark brown fine SAND, trace fine rounded gravel [SP]	
31		|	|	|			Groundwater encountered at approximately 30 ft bgs
		|	|	|	31-34	Pulverized STONE [GP]	
32		|	|	|			
		|	|	|			
33		|	|	|			
		|	|	|			
34		|	|	|	34-35	Brown medium to coarse SAND, some fine rounded gravel [SP]	
		|	|	|			
35		V	V	V			
						End of boring 35 ft bgs	

NOTES:	FILE NO. 0212609	BORING NO. RI-SB-14

*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.

SOIL BORING LOG

BORING NO. RI-SB-15

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson, T. Ritchie
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	2/16/2026
DRILLER	P. Nelson	**DATE FINISHED**	3/16/2026

Elevation	29.80 ft.	**Datum**	NAVD 88	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Eijkelkamp CRS XL 140 DUO	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**35**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**5**	Sonic	Dirt/Snow
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	39/120	0	None	Dry	0-10	Brown fine SAND, some fine angular gravel, trace organics, trace coarse angular gravel, trace debris [FILL]	RI-SB-15_0-2 sample collected at 10:15
10	12/120				10-15	Brown fine SAND, trace fine angular gravel, trace brick [FILL]	RI-SB-15_10-12 sample collected at 10:20
15					15-20	Pulverized STONE, some cobble, trace brick, trace fine angular gravel [FILL]	
20	36/120				20-22	Brown fine to medium SAND, trace angular fine gravel, trace grey fine sand [FILL]	RI-SB-15_20-22 sample collected at 10:25
22					22-23	BRICK [FILL]	
23					23-27	Grey medium to coarse SAND, some fine angular gravel, trace cobbles, trace brick, trace organics [FILL]	RI-SB-15_22-24 sample collected at 11:00 on 3/16/26
25							RI-SB-15_24-26 sample collected at 11:05 on 3/16/26
27					27-28	Pulverized STONE [FILL]	
28					28-30	Brown fine to medium SAND, some asphalt, trace fine angular gravel [FILL]	
30							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	35
Rock Cored (Linear ft.)	0
Number of Samples	5

BORING NO. RI-SB-15

***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

Soil Boring Log

Boring No. RI-SB-15

Depth (ft.)	Recovery (ft)	PID (PPM)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
30	48/60	0	N	Wet	30-31	Brown fine SAND, trace fine rounded gravel, trace cobble [SP]	Fill terminates at 30 ft bgs and groundwater encountered at approximately 30 ft bgs
31		|	|	|	31-35	Pulverized STONE [GP]	
		|	|	|			
32		|	|	|			
		|	|	|			
33		|	|	|			
		|	|	|			
34		|	|	|			
		|	|	|			
35		V	V	V			
						End of boring 35 ft bgs	

NOTES:	FILE NO. 0212609	BORING NO. RI-SB-15

*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.

SOIL BORING LOG

BORING NO. RI-SB-16

Page 1 of 1

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson, K. O'Connor
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	2/3/2026
DRILLER	T. Savald	**DATE FINISHED**	2/3/2026

Elevation	22.83 ft.	**Datum**	NAVD 88	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Geoprobe 7822 Dt	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**20**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**3**	Direct Push	Dirt/Snow
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	60/60	0	None	Dry	0-1	Light brown fine SAND, some fine gravel [FILL]	RI-SB-16_0-2 sample collected at 13:15
1					1-3	Dark brown to black fine SAND, trace brick, trace fine gravel [FILL]	
2							
3					3-5	Brown fine SAND, trace silt [SP]	RI-SB-16_3-5 sample collected at 13:20 (+MS/MSD) and fill terminates at 3 ft bgs
4							
5	50/60				5-8	Same as above [SP]	
6							
7							
8					8-10	Brown fine SAND, some silt [SP]	
9							
10	60/60				10-12	Same as above [SP]	RI-SB-16_10-12 sample collected at 13:30
11							
12					12-15	Light brown fine SAND, some silt, trace rounded gravel [SP]	
13							
14				⋁			
15	60/60			Moist Wet	15-18	Brown fine SAND [SP]	
16							Groundwater encountered at approximately 15 ft bgs
17							
18					18-20	Grey to brown fine SAND, some silt [SP]	
19							
20		⋁	⋁	⋁		End of boring, 20 ft bgs	
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data				Well Construction Information			Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to: Water	Type	Depth	Notes	Overburden (Linear ft.)	20
							Rock Cored (Linear ft.)	0
							Number of Samples	3
							BORING NO.	**RI-SB-16**

***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.

SOIL BORING LOG

BORING NO. RI-SB-17

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson, T. Ritchie
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	2/16/2026
DRILLER	P. Nelson	**DATE FINISHED**	3/16/2026

Elevation	29.22 ft.	**Datum**	NAVD 88	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Eijkelkamp CRS XL 140 DUO	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**35**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**4**	Sonic	Dirt/Snow
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	60/120	0	None	Dry	0-4	Brown fine to medium SAND, trace fine angular gravel, trace coarse angular gravel, trace organics, trace debris [FILL]	RI-SB-17_0-2 sample collected at 8:15
1							
2							
3							
4					4-8	Brown fine to medium SAND, some brick, trace fine angular gravel, trace coarse angular gravel, trace organics [FILL]	
5							
6							
7							
8					8-10	Pulverized STONE, some asphalt [FILL]	
9							
10	62/120				10-13		RI-SB-17_10-12 sample collected at 8:20
11						Brown fine to medium SAND, trace fine angular gravel, trace coarse angular gravel [FILL]	
12		V					
13		0.9					
14		0.7			13-15	Black fine SAND, some brick, trace asphalt, trace coarse angular gravel [FILL]	
15		1.2					
16		0			15-20	Brown fine SAND, some coarse angular gravel, trace fine angular gravel [FILL]	
17							
18							
19							
20	66/120				20-22		RI-SB-17_20-22 sample collected at 8:25
21						Black fine SAND, some fine angular gravel, trace coarse angular gravel [FILL]	
22							Fill terminates at 22 ft bgs
23					22-25	Brown fine SAND, trace silt [SP]	RI-SB-17_22-24 sample collected at 8:45 on 3/16/26
24							
25					25-30	Brown to grey fine SAND, trace silt [SP]	
26							
27							
28							
29							
30		V	V	V			

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	35
Rock Cored (Linear ft.)	0
Number of Samples	4

BORING NO. RI-SB-17

***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

Soil Boring Log

Boring No. RI-SB-17

Depth (ft.)	Recovery (ft)	PID (PPM)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
30	58/60	0	N	Wet	30-35	Grey fine SAND, some silt [SP]	
31		|	|	|			Groundwater encountered at approximately 30 ft bgs
		|	|	|			
32		|	|	|			
		|	|	|			
33		|	|	|			
		|	|	|			
34		|	|	|			
		|	|	|			
35		V	V	V			
						End of boring 35 ft bgs	

NOTES:	FILE NO. 0212609	BORING NO. RI-SB-17

*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.

SOIL BORING LOG

BORING NO. RI-SB-18

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson, T. Ritchie
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	2/16/2026
DRILLER	P. Nelson	**DATE FINISHED**	2/16/2026

Elevation	30.10 ft.	**Datum**	NAVD 88	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Eijkelkamp CRS XL 140 DUO	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**35**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**3**	Sonic	Dirt/Snow
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	63/120	0	None	Dry	0-7	Brown fine to medium SAND, trace organics, trace debris, trace fine angular gravel [FILL]	RI-SB-18_0-2 sample collected at 8:45
7					7-10	Dark brown fine to medium SAND, trace coarse angular gravel, trace fine angular gravel, trace asphalt [FILL]	
10	76/120				10-12	Same as above [FILL]	
12		2.3			12-15	Grey fine SAND, some fine angular gravel, trace cobble [FILL]	
13		3.8					
14		4.1					RI-SB-18_14-16 sample collected at 8:50
15		6.4			15-16	Black fine SAND, trace fine angular gravel [FILL]	
16		198.2			16-18	Pulverized STONE [FILL]	
17		0					
18					18-19	Black fine SAND [FILL]	
19					19-20		
20	80/120				20-22	White to brown fine SAND, some fine angular gravel, some cobble, trace brick [FILL] Dark brown fine SAND, trace silt [SP]	RI-SB-18_20-22 sample collected at 8:55 and fill terminates at 20 ft bgs
22					22-28	Brown fine SAND, some silt [SP]	
28					28-30	Dark brown fine SAND, some coarse rounded gravel [SP]	
30							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	35
Rock Cored (Linear ft.)	0
Number of Samples	3

BORING NO. RI-SB-18

***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

Soil Boring Log

Boring No. RI-SB-18

Depth (ft.)	Recovery (ft)	PID (PPM)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
30	51/60	0	N	Wet	30-35	Brown fine SAND, some silt [SP]	
31		|	|	|			Groundwater encountered at approximately 30 ft bgs
		|	|	|			
32		|	|	|			
		|	|	|			
33		|	|	|			
		|	|	|			
34		|	|	|			
		|	|	|			
35		V	V	V			
						End of boring 35 ft bgs	

NOTES:	FILE NO. 0212609	BORING NO. RI-SB-18

*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.

SOIL BORING LOG

BORING NO. RI-SB-19

Page 1 of 1

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson, K. O'Connor
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	2/6/2026
DRILLER	T. Savald	**DATE FINISHED**	2/6/2026

Elevation	13.22 ft.	**Datum**	NAVD 88	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Geoprobe 7822 Dt	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**15**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**3**	Direct Push	Dirt/Snow
Hammer Fall (in.)							1 refusal at 5 ft bgs, 2 refusals at 15 ft bgs

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	36/60	0	None	Dry	0-1	Black fine SAND, some brick [FILL]	RI-SB-19_0-2 sample collected at 8:45
1					1-3		
2						Black to brown fine SAND, some angular gravel, trace brick, trace glass [FILL]	
3					3-5	Black fine SAND, some asphalt, some angular gravel [FILL]	
4							
5	36/60				5-9	Black to brown fine to medium SAND, some gravel, trace brick [FILL]	
6							
7							RI-SB-19_7-9 sample collected at 8:50
8							
9					9-10	Dark brown coarse SAND, trace silt [SP]	Fill terminates at 9 ft bgs
10	11/60				10-15	Same as above [SP]	RI-SB-19_10-12 sample collected at 8:55
11				∨			
12				Wet			Groundwater encountered at approximately 11.5 ft bgs
13							
14							
15		∨	∨	∨		End of boring, 15 ft bgs, 3 refusals	
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	15
Rock Cored (Linear ft.)	0
Number of Samples	3

BORING NO. RI-SB-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.

SOIL BORING LOG

BORING NO. RI-SB-20

Page 1 of 1

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson, K. O'Connor
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	2/5/2026
DRILLER	T. Savald	**DATE FINISHED**	2/5/2026

Elevation	13.87 ft.	**Datum**	NAVD 88	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Geoprobe 7822 Dt	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**20**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**4**	Direct Push	Dirt/Snow
Hammer Fall (in.)							2 refusals at 8 ft bgs

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	41/60	0	None	Dry	0-2	Brown fine SAND, some asphalt [FILL]	RI-SB-20_0-2 sample collected 10:40
1							DUP-03_20260205 sample collected at 10:45
2					2-3	Dark brown fine to medium SAND, some angular gravel [FILL]	
3					3-4	Pulverized STONE [FILL]	
4					4-5	Black fine SAND, some brick [FILL]	
5	27/60				5-8	Black fine SAND, some angular gravel, trace brick [FILL]	
6							
7							
8					8-10	Black to brown fine SAND, some silt [FILL]	RI-SB-20_8-10 sample collected at 10:50
9							
10	54/60			Moist	10-13	Brown silty SAND, some brick [FILL]	
11							RI-SB-20_11-13 sample collected at 10:55
12							
13				Wet	13-14	Brown medium SAND, some silt [SP]	Fill terminates at 13 ft bgs and groundwater encountered at approximately 13 ft bgs
14					14-15	Black medium SAND, some silt [SP]	
15	50/60				15-16	Same as above [SP]	
16					16-17	Brown medium to coarse SAND [SP]	
17					17-19	Grey silty SAND [SP]	
18							
19					19-20	Dark grey to black medium SAND, some silt [SP]	
20						End of boring, 20 ft bgs, 2 refusals	
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	20
Rock Cored (Linear ft.)	0
Number of Samples	4

BORING NO. RI-SB-20

***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.

SOIL BORING LOG

BORING NO. B-15_D

Page 1 of 1

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson, K. O'Connor
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	2/4/2026
DRILLER	T. Savald	**DATE FINISHED**	2/4/2026

Elevation	22.03 ft.	**Datum**	NAVD 88	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Geoprobe 7822 Dt	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**20**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**4**	Direct Push	Dirt/Snow
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	44/60	0	None	Dry	0-2	Black fine SAND, some angular gravel, trace light brown sand [FILL]	B-15_D_0-2 sample collected at 8:50
1							DUP-01 sample collected at 8:55
2					2-4	Dark brown fine SAND, some black fine sand, trace angular gravel [FILL]	B-15_D_2-4 sample collected at 9:00
3							
4							Fill terminates at 4 ft bgs
5	47/60				4-5	Brown fine to medium SAND [SP]	
6					5-10	Light brown fine to medium SAND [SP]	
7							
8							
9							
10	47/60				10-14	Same as above [SP]	B-15_D_10-12 sample collected at 9:05
11							
12							
13							
14					14-15	Light brown fine to medium SAND, trace silt [SP]	
15	47/60			Moist	15-17	Same as above [SP]	
16							
17				Wet	17-20	Brown fine SAND, some silt [SP]	
18							Groundwater encountered at approximately 17 ft bgs
19							
20						End of boring, 20 ft bgs	
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data				Well Construction Information			Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to: Water	Type	Depth	Notes	Overburden (Linear ft.)	20
							Rock Cored (Linear ft.)	0
							Number of Samples	4
							BORING NO.	**B-15_D**

***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.

SOIL BORING LOG

BORING NO. B-21_D

Page 1 of 1

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson, K. O'Connor
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	2/6/3036
DRILLER	T. Savald	**DATE FINISHED**	2/6/2026

Elevation	13.45 ft.	**Datum**	NAVD 88	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Geoprobe 7822 Dt	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	5	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	1	Direct Push	Dirt/Snow
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	45/60	0	None	Dry	0-1		
1		|	|	|		Dark brown fine SAND, some black fine sand, some angular gravel, trace brick [FILL]	B-21_D_0-2 sample collected at 8:00 (+MS/MSD)
		|	|	|	1-2	Pulverized STONE [FILL]	
2		|	|	|			
		|	|	|	2-4	Dark brown and black fine SAND, some angular gravel, some brick [FILL]	
3		|	|	|			
		|	|	|			
		|	|	|			
4		|	|	|	4-5	Brown fine SAND and asphalt, some pulverized stone [FILL]	
		V	V	V			Fill extends to terminus of boring
5						End of boring, 5 ft bgs	
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	5
Rock Cored (Linear ft.)	0
Number of Samples	1

BORING NO. B-21_D

***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.

SOIL BORING LOG

BORING NO. B-23

Page 1 of 1

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	3/16/2026
DRILLER	P.Slavin	**DATE FINISHED**	3/16/2026

Elevation	ft.	**Datum**	**NAVD 88**	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Eijkelkamp SRS ML Sonic	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**10**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**4**	Sonic	Asphalt
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	45/120	0	None	Dry	0-4		
1						Brown fine SAND, trace asphalt, trace brick, trace fine angular gravel [FILL]	B-23_0-2_RS (+MS/MSD) sample collected at 12:50
2							
3							B-23_3-5_RS sample collected at 12:55
4					4-7	Black fine SAND, some fine angular gravel [FILL]	
5							
6							
7					7-10	Dark brown to black fine SAND, some brick, some fine angular gravel, trace coarse angular gravel [FILL]	B-23_7-9_RS sample collected at 13:00
8							DUP-03_20260316 sample collected at 13:05
9							
10		V	V	V			Fill extends to terminus or boring
						End of Boring 10 ft bgs	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	10
Rock Cored (Linear ft.)	0
Number of Samples	4

BORING NO. B-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.

SOIL BORING LOG

BORING NO. DB-01A

Page 1 of 1

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	3/16/2026
DRILLER	P.Slavin	**DATE FINISHED**	3/16/2026

Elevation	ft.	**Datum**	**NAVD 88**	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Eijkelkamp SRS ML Sonic	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**10**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**3**	Sonic	Asphalt
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	42/120	0	None	Dry	0-3		DB-01A_0-2 sample collected at 13:10
1		|	|	|		Dark brown to brown fine SAND, trace asphalt, trace organics, trace brick [FILL]	
2		|	|	|			
3		|	|	|	3-5	Dark brown fine SAND, some fine angular gravel [FILL]	DB-01A_3-5 sample collected at 13:15
4		|	|	|			
5		|	|	|	5-7	Brown fine SAND, trace fine angular gravel [FILL]	
6		|	|	|			
7		|	|	|	7-9	Dark brown to black fine SAND, trace brick, trace fine angular gravel, trace coarse angular gravel [FILL]	DB-01A_7-9 sample collected at 13:20
8		|	|	|			
9		|	|	|	9-10	Pulverized STONE, some cobbles [FILL]	
10		V	V	V			Fill extends to terminus or boring
11						End of Boring 10 ft bgs	
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	10
Rock Cored (Linear ft.)	0
Number of Samples	3

BORING NO. DB-01A

***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.

SOIL BORING LOG

BORING NO. DB-01B

Page 1 of 1

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	3/16/2026
DRILLER	P.Slavin	**DATE FINISHED**	3/16/2026

Elevation	ft.	**Datum**	**NAVD 88**	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Eijkelkamp SRS ML Sonic	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**10**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**3**	Sonic	Asphalt
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	49/120	0	None	Dry	0-1		DB-01B_0-2 sample collected at 13:25
1		|	|	|		Light brown fine SAND, trace asphalt, trace brick, trace fine angular gravel [FILL]	
		|	|	|	1-2	Brown fine SAND, trace fine angular gravel, track brick [FILL]	
2		|	|	|			
		|	|	|	2-5	Dark brown fine SAND, some pulverized stone, trace cobble, trace fine angular gravel [FILL]	
3		|	|	|			DB-01B_3-5 sample collected at 13:30
		|	|	|			
4		|	|	|			
		|	|	|			
5		|	|	|	5-6	Pulverized STONE	
		|	|	|			
6		|	|	|	6-10	Brown fine SAND, some brick, trace fine angular gravel [FILL]	
7		|	|	|			DB-01B_7-9 sample collected at 13:35
		|	|	|			
8		|	|	|			
		|	|	|			
9		|	|	|			
		|	|	|			
10		V	V	V			Fill extends to terminus or boring
						End of Boring 10 ft bgs	
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	10
Rock Cored (Linear ft.)	0
Number of Samples	3

BORING NO. DB-01B

***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.

SOIL BORING LOG

BORING NO. DB-02

Page 1 of 1

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	3/16/2026
DRILLER	P.Slavin	**DATE FINISHED**	3/16/2026

Elevation	ft.	**Datum**	**NAVD 88**	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Eijkelkamp SRS ML Sonic	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**10**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**3**	Sonic	Asphalt
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	58/120	0	None	Dry	0-3		
1		|	|	|		Dark brown to brown fine SAND, trace brick, trace fine angular gravel [FILL]	DB-02_0-2 (+MS/MSD) sample collected at 13:45
2		|	|	|			
3		|	|	|	3-6	Black fine SAND, some coarse angular gravel [FILL]	DB-02_3-5 sample collected at 13:50
4		|	|	|			
5		|	|	|			
6		|	|	|	6-9	Brown fine SAND, trace brick, trace fine angular gravel [FILL]	
7		|	|	|			DB-02_7-9 sample collected at 13:55
8		|	|	|			
9		|	|	|	9-10	Fine angular GRAVEL, some coarse angular gravel [FILL]	
10		V	V	V			Fill extends to terminus of boring
11						End of Boring 10 ft bgs	
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	10
Rock Cored (Linear ft.)	0
Number of Samples	3

BORING NO. DB-02

***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.

SOIL BORING LOG

BORING NO. DB-02A

Page 1 of 1

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	3/16/2026
DRILLER	P.Slavin	**DATE FINISHED**	3/16/2026

Elevation	ft.	**Datum**	**NAVD 88**	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Eijkelkamp SRS ML Sonic	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**10**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**3**	Sonic	Asphalt
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	38/120	0	None	Dry	0-4		DB-02A_0-2 sample collected at 14:00
1		|	|	|		Brown fine SAND, some asphalt, trace brick, trace fine angular gravel [FILL]	
2		|	|	|			
3		|	|	|			DB-02A_3-5 sample collected at 14:05
4		|	|	|	4-8	Grey fine SAND, some pulverized stone, trace fine angular gravel [FILL]	
5		|	|	|			
6		|	|	|			
7		|	|	|			DB-02A_7-9 sample collected at 14:10
8		|	|	|	8-10	Black fine SAND, trace brick, trace fine angular gravel [FILL]	
9		|	|	|			
10		V	V	V			Fill extends to terminus or boring
						End of Boring 10 ft bgs	

Water Level Data				Well Construction Information			Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to: Water	Type	Depth	Notes	Overburden (Linear ft.)	10
							Rock Cored (Linear ft.)	0
							Number of Samples	3
							BORING NO.	DB-02A

***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.

SOIL BORING LOG

BORING NO. DB-02B

Page 1 of 1

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	3/16/2026
DRILLER	P.Slavin	**DATE FINISHED**	3/16/2026

Elevation	ft.	**Datum**	**NAVD 88**	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Eijkelkamp SRS ML Sonic	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**10**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**3**	Sonic	Asphalt
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	41/120	0	None	Dry	0-2	Brown fine SAND, trace fine angular gravel [FILL]	DB-02B_0-2 sample collected at 14:15
1		|	|	|			
2		|	|	|	2-6	Black fine SAND, some asphalt, some coarse angular gravel, trace fine angular gravel [FILL]	
3		|	|	|			DB-02B_3-5 sample collected at 14:20
4		|	|	|			
5		|	|	|			
6		|	|	|	6-9	Dark brown fine SAND, some coarse angular gravel, trace cobble, trace fine angular gravel [FILL]	
7		|	|	|			DB-02B_7-9 sample collected at 14:25
8		|	|	|			
9		\/ 3.1	\/ Weak organic odor	|	9-10	Organics [FILL]	
10		7.2		\/		End of Boring 10 ft bgs	Fill extends to terminus of boring
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	10
Rock Cored (Linear ft.)	0
Number of Samples	3

BORING NO. DB-02B

***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.

SOIL BORING LOG

BORING NO. SB-103

Page 1 of 1

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	3/16/2026
DRILLER	P.Slavin	**DATE FINISHED**	3/16/2026

Elevation	ft.	**Datum**	**NAVD 88**	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Eijkelkamp SRS ML Sonic	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**10**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**4**	Sonic	Asphalt
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	46/120	5.2	None	Dry	0-2	Dark brown fine SAND, trace asphalt [FILL]	SB-103_0-2_RS sample collected at 12:00
1			|	|		DUP-02_20260316 sample collected at 12:05
		5.2	|	|		
2			|	|		
		1.2	|	|	2-3	Black fine SAND, trace cobble, trace fine angular gravel [FILL]
3			|	|		
		0	|	|	3-10	Brown fine SAND, trace asphalt, trace brick, trace fine angular gravel [FILL]
4		|	|	|			SB-103_3-5_RS sample collected art 12:10
		|	|	|		
5		|	|	|		
		|	|	|		
6		|	|	|		
		|	|	|		
7		|	|	|		SB-103_7-9_RS sample collected at 12:15
		|	|	|		
8		|	|	|		
		|	|	|		
9		|	|	|		
		\/	|	|		
10		0.3	\/	\/		End of Boring 10 ft bgs	Fill extends to terminus of boring
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	10
Rock Cored (Linear ft.)	0
Number of Samples	4

BORING NO. SB-103

***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.

SOIL BORING LOG

BORING NO. DB-03A

Page 1 of 1

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	3/16/2026
DRILLER	P.Slavin	**DATE FINISHED**	3/16/2026

Elevation	ft.	**Datum**	**NAVD 88**	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Eijkelkamp SRS ML Sonic	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**10**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**3**	Sonic	Asphalt
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	43/120	0	None	Dry	0-2	Dark brown fine SAND, trace asphalt, trace fine angular gravel [FILL]	DB-03A_0-2 sample collected at 12:20
1							
2					2-3	Pulverized STONE [FILL]	
3					3-4	Dark brown fine SAND, trace brick, trace coarse angular gravel, trace fine angular gravel [FILL]	DB-03A_3-5 sample collected at 12:25
4		0.4			4-5	Pulverized STONE [FILL]	
5		14.0			5-10	Brown fine SAND, some fine angular gravel, trace brick [FILL]	
6		0.5					
7		0					DB-03A_7-9 sample collected at 12:30
8							
9							
10							Fill extends to terminus of boring
						End of Boring 10 ft bgs	
11–30							

Water Level Data				Well Construction Information			Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to: Water	Type	Depth	Notes	Overburden (Linear ft.)	10
							Rock Cored (Linear ft.)	0
							Number of Samples	3
							BORING NO.	**DB-03A**

***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.

SOIL BORING LOG

BORING NO. DB-03B

Page 1 of 1

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**PROJECT #**	0212609
LOCATION	8-01 & 8-51 26th Avenue. Queens, New York	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings, LLC	**FIELD REP.**	C. Jackson
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	3/16/2026
DRILLER	P.Slavin	**DATE FINISHED**	3/16/2026

Elevation	ft.	**Datum**	**NAVD 88**	**Boring Location**	See Plan		
Item	**Casing**	**Sampler**		**Rig Make & Model**	Eijkelkamp SRS ML Sonic	**Surface Conditions**	**Drilling Notes**
Type				**Completion Depth (ft.)**	**10**	**Drilling Method**	
Inside Diameter (in.)							
Hammer Weight (lb.)				**Number of Samples**	**3**	Sonic	Asphalt
Hammer Fall (in.)							

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	40/120	0	None	Dry	0-2	Brown fine SAND, trace asphalt, trace brick, trace fine angular gravel [FILL]	DB-03B_0-2 sample collected at 12:35
1							
2					2-5	Dark brown to black fine SAND, some fine angular gravel [FILL]	
3							DB-03B_3-5 sample collected at 12:40
4							
5					5-7	Pulverized STONE [FILL]	
6							
7					7-10	Black fine SAND, some fine angular gravel [FILL]	DB-03B_7-9 sample collected at 12:45
8							
9							
10		V	V	V		End of Boring 10 ft bgs	Fill extends to terminus of boring
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water

Well Construction Information

Type	Depth	Notes

Summary

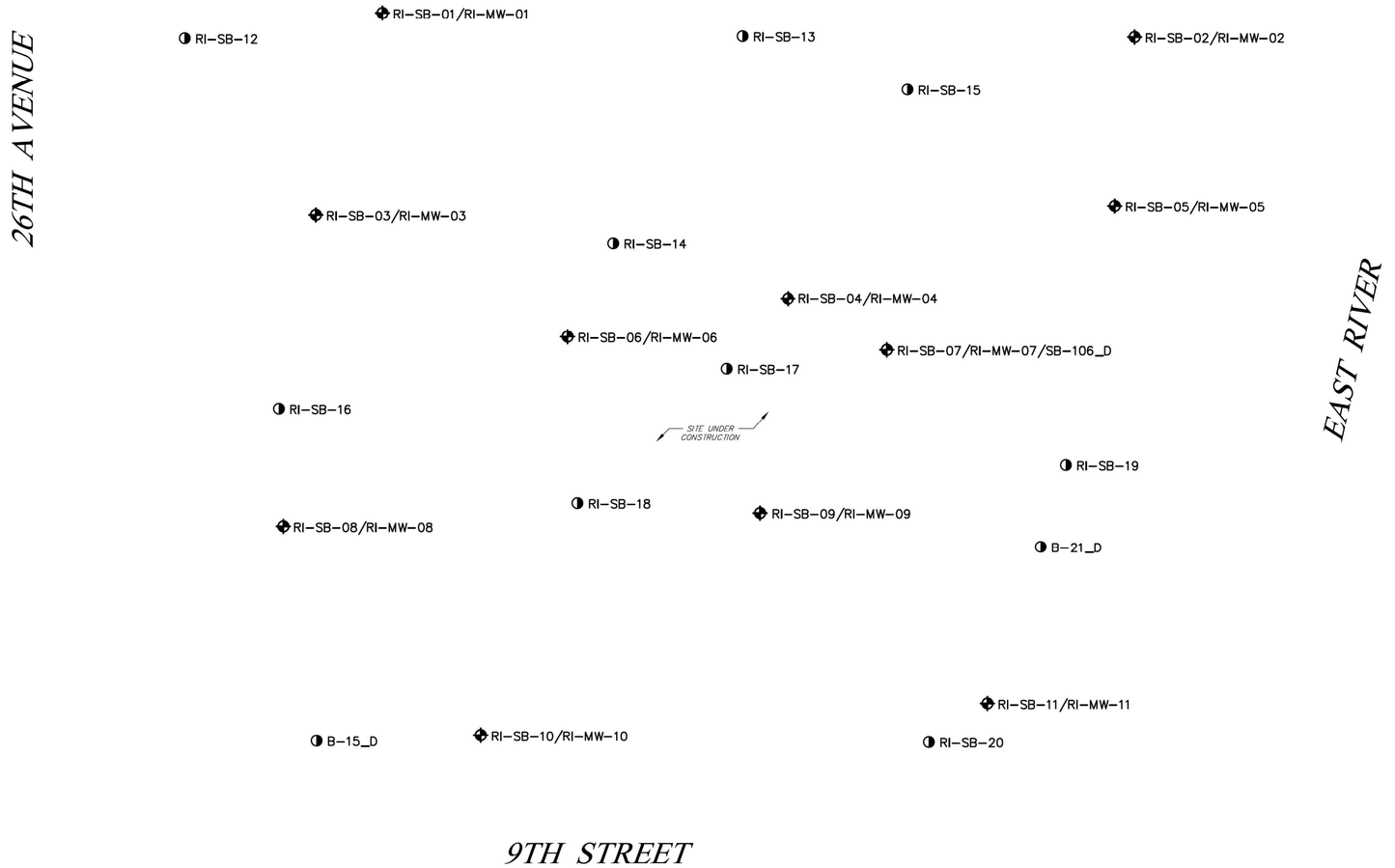
Overburden (Linear ft.)	10
Rock Cored (Linear ft.)	0
Number of Samples	3

BORING NO. DB-03B

***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.

APPENDIX D
Survey Map



SYMBOL LEGEND

- MONITORING WELL
- SOIL BORING

NY LONG ISLAND STATE PLANE COORDINATE SYSTEM NAD 1983

MONITORING WELLS	GROUND	RIM	PVC
RI-SB-01/RI-MW-01	20.27	N/A	21.88
RI-SB-02/RI-MW-02	15.12	N/A	15.59
RI-SB-03/RI-MW-03	20.59	N/A	22.48
RI-SB-04/RI-MW-04	29.46	N/A	30.40
RI-SB-05/RI-MW-05	14.45	N/A	14.91
RI-SB-06/RI-MW-06	30.76	N/A	31.68
RI-SB-07/RI-MW-07/SB-106_D	29.46	N/A	30.73
RI-SB-08/RI-MW-08	23.07	N/A	23.62
RI-SB-09/RI-MW-09	30.07	N/A	31.28
RI-SB-10/RI-MW-10	19.02	N/A	21.50
RI-SB-11/RI-MW-11	13.70	N/A	15.04

NOTE: N/A = NO OUTER CASING OBSERVED AT THE TIME OF THE FIELD SURVEY.

AS-SURVEYED SOIL BORING	GROUND ELEVATION
B-15_D	22.03
B-21_D	13.45
RI-SB-12	21.80
RI-SB-13	29.30
RI-SB-14	31.15
RI-SB-15	29.80
RI-SB-16	22.83
RI-SB-17	29.22
RI-SB-18	30.10
RI-SB-19	13.22
RI-SB-20	13.87

NOTES:

1. FIELD WORK PERFORMED ON FEBRUARY 27, 2026.
2. ELEVATION DATUM NAVD 1988 DERIVED USING RTK GPS RECEIVERS AND KEYNET. CORS STATION: NYBR BROOKLYN PIER CORS ARP ELEV=42.13' (NAVD 1988)

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.

GRAPHIC SCALE

30 0 15 30

(IN FEET)
1 inch = 30 ft.

REV	DATE	DESCRIPTION	BY	CHKD

DATE 03/02/2026

James J. Heiser
Professional Land Surveyor
JHEISER@DPKCONSULTING.NET
N.J. Lic: 24GS04331100
PA. Lic: SU075616
N.Y. Lic: 050932-1
CT. Lic: 70045
DE. LIC: SS-0010858

DPK LAND SURVEYING LLC
273 NEW HWY, 3RD FLOOR - SUITE 285, EDISON, NJ 08817
PH: (732) 476-1818 FAX: (732) 476-1819
NEW YORK CERTIFICATE OF AUTHORIZATION NO. 001285

DPK LAND SURVEYING

SCALE: 1" = 30'
DATE: 03/02/2026
DRAWN BY: P.C.
CHK'D BY: D.J.N.

MONITORING WELL LOCATION MAP

FOR: HALEY & ALDRICH OF NEW YORK

SITE: 9TH STREET & 26TH AVENUE
QUEENS, NEW YORK

DRAWING FILE: 26-10878MW00
PROJECT NUMBER: 26-10878
SHEET 1 / 1
REV. 0

S:_Projects\2026\26-10878\CAD\26-10878MW00.dwg Mar 02, 2026-3:56pm BY:(PeterCavoda)

APPENDIX E
Monitoring Well Diagrams

PERMANENT WELL INSTALLATION REPORT

Well No. RI-MW-01
Boring No. RI-SB-01

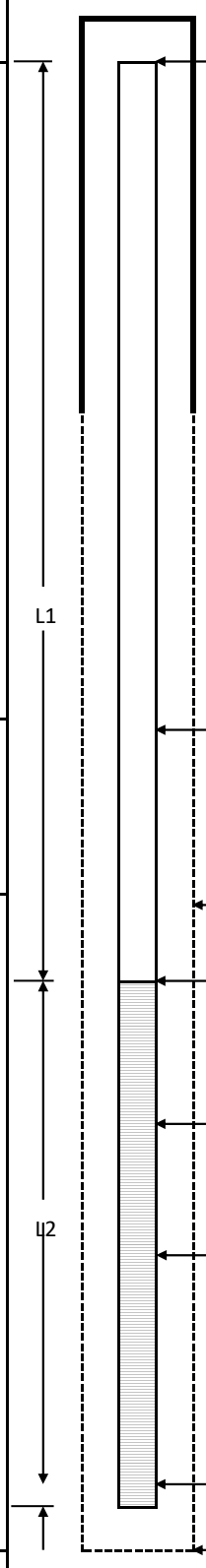
PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**H&A FILE NO.**	0212609
LOCATION	8-01 and 8-51 26th Avenue, Queens, NY	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings LLC	**FIELD REP.**	C. Jackson
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE INSTALLED**	2/12/2026
DRILLER	S. Khun	**WATER LEVEL**	18.07 ft btoc

Ground El.	20.27 ft	**Location**	See Plan	**Drilling Equipment**	Eijkelkamp CRS XL 140 Duo Sonic
El. Datum	NAVD 88				

Guard Pipe ☐
Roadway Box ☐

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL
Sand	Bentonite Grout
	Bentonite
	Filter Sand

0
9
11
23
(Bottom of Exploration)
(Numbers refer to depth from ground surface in feet)



Height/Depth of top of riser pipe above/below ground surface 22.0 in

Type of Seals	Top of Seal (ft)	Thickness (ft)
Bentonite Grout	0.0	9.0
Bentonite Seal	9.0	2.0
Filter Sand	11.0	12.0

Type of riser pipe: 2-inch PVC
Inside diameter of riser pipe 2.0 in
Type of backfill around riser Bentonite Grout
Diameter of borehole 6.0 in
Depth to top of well screen 13.0 ft
Type of screen Machine Slotted PVC
Screen gauge or size of openings 0.010 in
Diameter of screen 2.0 in
Type of backfill around screen #2 Certified Clean Filter Sand
Depth of bottom of well screen 23.0 ft
Depth of bottom of borehole 23.0 ft

(Not to Scale)

13 ft (Riser Pay Length (L1)) + 10 ft (Length of Screen (L2)) = 23 ft (Pay length)

COMMENTS:

PERMANENT WELL INSTALLATION REPORT

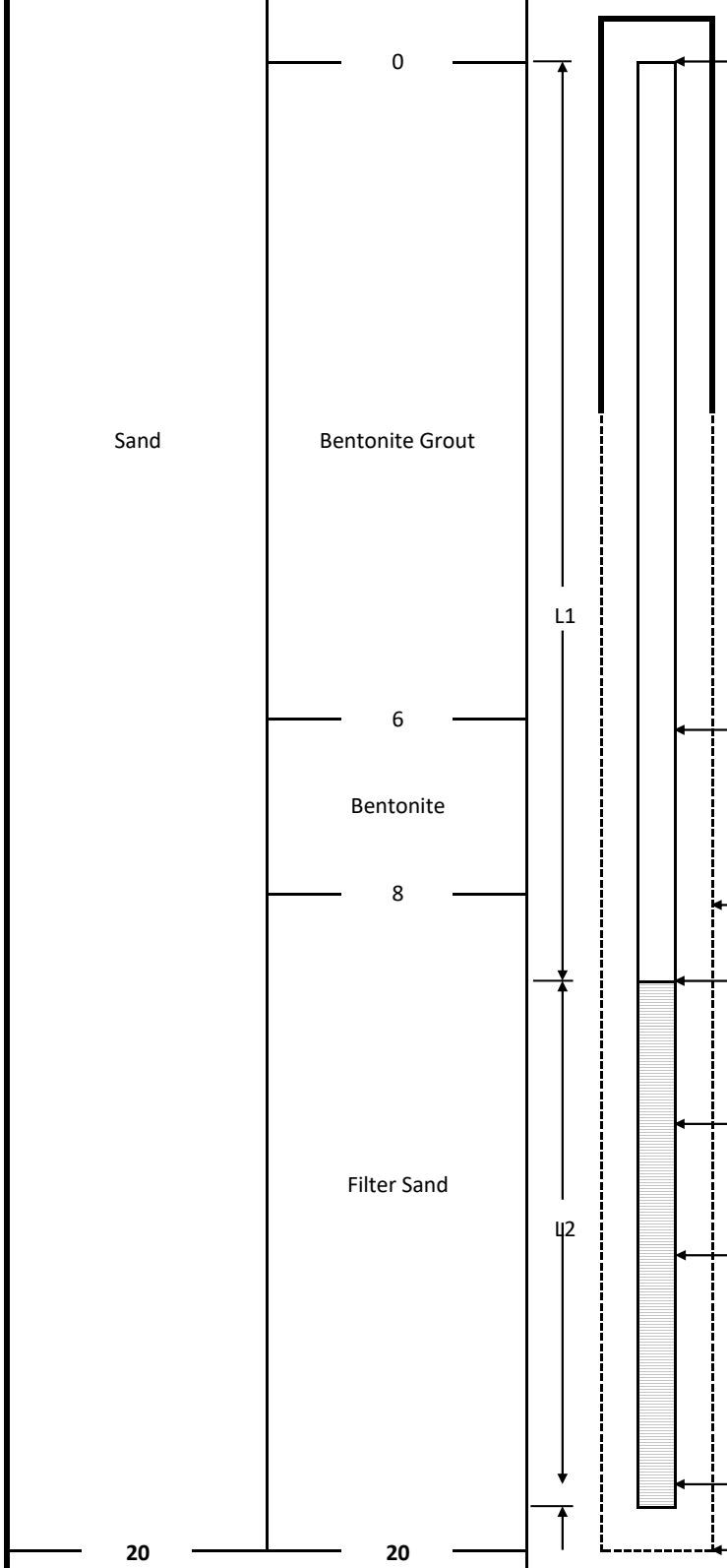
Well No. RI-MW-02
Boring No. RI-SB-02

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**H&A FILE NO.**	0212609
LOCATION	8-01 and 8-51 26th Avenue, Queens, NY	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings LLC	**FIELD REP.**	C. Jackson
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE INSTALLED**	2/16/2026
DRILLER	P. Nelson	**WATER LEVEL**	12.43 ft btoc

Ground El.	15.12 ft	**Location**	See Plan	**Drilling Equipment**	Eijkelkamp CRS XL 140 Duo Sonic
El. Datum	NAVD 88				

Guard Pipe ☐
Roadway Box ☐

SOIL/ROCK CONDITIONS | **BOREHOLE BACKFILL**



Height/Depth of top of riser pipe above/below ground surface 3.5 **in**

Type of Seals	Top of Seal (ft)	Thickness (ft)
Bentonite Grout	0.0	6.0
Bentonite Seal	6.0	2.0
Filter Sand	8.0	12.0

Type of riser pipe: 2-inch PVC
Inside diameter of riser pipe 2.0 **in**
Type of backfill around riser Bentonite Grout

Diameter of borehole 6.0 **in**

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**
Type of backfill around screen #2 Certified Clean Filter Sand

Depth of bottom of well screen 20.0 **ft**

Depth of bottom of borehole 20.0 **ft**

Riser Pay Length (L1)		Length of Screen (L2)		Pay length
10 ft	+	10 ft	=	20 ft

COMMENTS:

PERMANENT WELL INSTALLATION REPORT

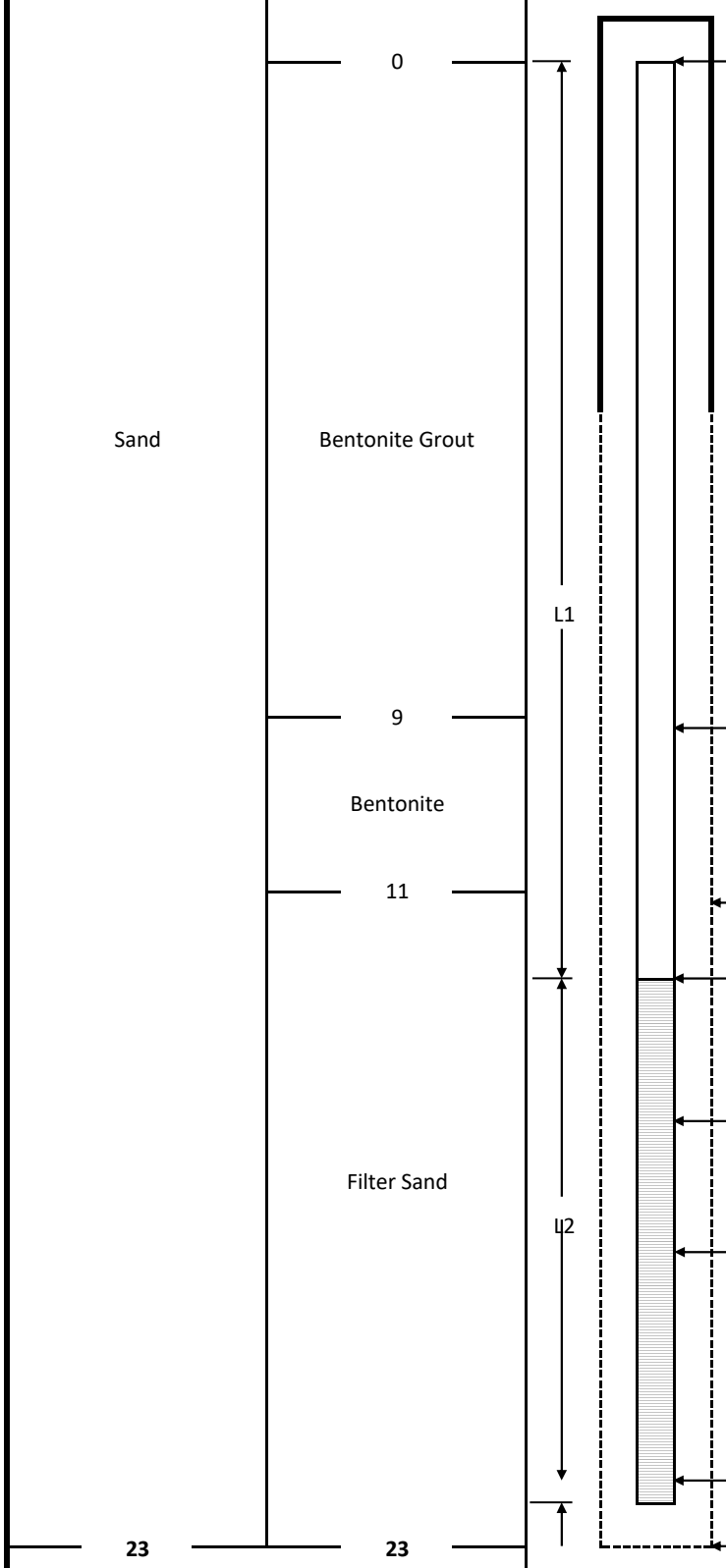
Well No. RI-MW-03
Boring No. RI-SB-03

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**H&A FILE NO.**	0212609
LOCATION	8-01 and 8-51 26th Avenue, Queens, NY	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings LLC	**FIELD REP.**	C. Jackson
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE INSTALLED**	2/4/2026
DRILLER	J. Slavin	**WATER LEVEL**	18.58 ft btoc

Ground El.	20.59 ft	**Location**	See Plan	**Drilling Equipment**	Geoprobe 7720 DT
El. Datum	NAVD 88				

Guard Pipe ☐
Roadway Box ☐

SOIL/ROCK CONDITIONS | **BOREHOLE BACKFILL**



Height/Depth of top of riser pipe above/below ground surface 21.0 **in**

Type of Seals	Top of Seal (ft)	Thickness (ft)
Bentonite Grout	0.0	9.0
Bentonite Seal	9.0	2.0
Filter Sand	11.0	12.0

Type of riser pipe: 2-inch PVC
Inside diameter of riser pipe 2.0 **in**
Type of backfill around riser Bentonite Grout

Diameter of borehole 6.0 **in**

Depth to top of well screen 13.0 **ft**

Type of screen Machine Slotted PVC
Screen gauge or size of openings 0.010 **in**
Diameter of screen 2.0 **in**
Type of backfill around screen #2 Certified Clean Filter Sand

Depth of bottom of well screen 23.0 **ft**

Depth of bottom of borehole 23.0 **ft**

(Not to Scale)

13 ft	+	10 ft	=	23 ft
Riser Pay Length (L1)		Length of Screen (L2)		Pay length

COMMENTS:

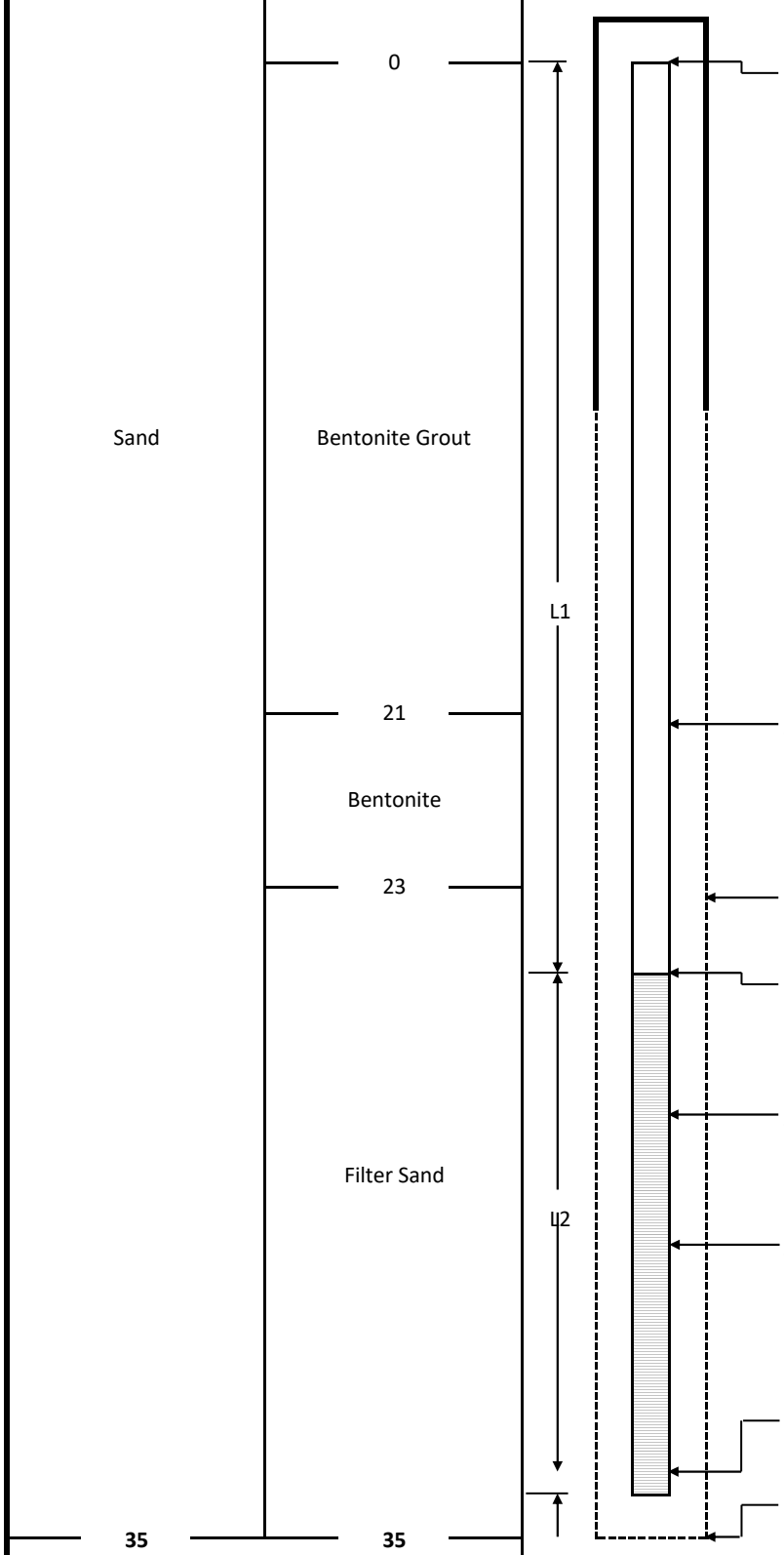
PERMANENT WELL INSTALLATION REPORT

Well No. RI-MW-04
Boring No. RI-SB-04

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**H&A FILE NO.**	0212609
LOCATION	8-01 and 8-51 26th Avenue, Queens, NY	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings LLC	**FIELD REP.**	C. Jackson
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE INSTALLED**	2/13/2026
DRILLER	S. Khun	**WATER LEVEL**	27.06 ft btoc

Ground El.	29.46 ft	**Location**	See Plan	**Drilling Equipment**	Eijkelkamp CRS XL 140 Duo Sonic
El. Datum	NAVD 88				

Guard Pipe ☐
Roadway Box ☐



Height/Depth of top of riser pipe above/below ground surface 10.5 in

Type of Seals	Top of Seal (ft)	Thickness (ft)
Bentonite Grout	0.0	21.0
Bentonite Seal	21.0	2.0
Filter Sand	23.0	12.0

Type of riser pipe: 2-inch PVC
Inside diameter of riser pipe 2.0 in
Type of backfill around riser Bentonite Grout

Diameter of borehole 6.0 in

Depth to top of well screen 25.0 ft

Type of screen Machine Slotted PVC
Screen gauge or size of openings 0.010 in
Diameter of screen 2.0 in
Type of backfill around screen #2 Certified Clean Filter Sand

Depth of bottom of well screen 35.0 ft

Depth of bottom of borehole 35.0 ft

Riser Pay Length (L1)		Length of Screen (L2)		Pay length
25 ft	+	10 ft	=	35 ft

COMMENTS:

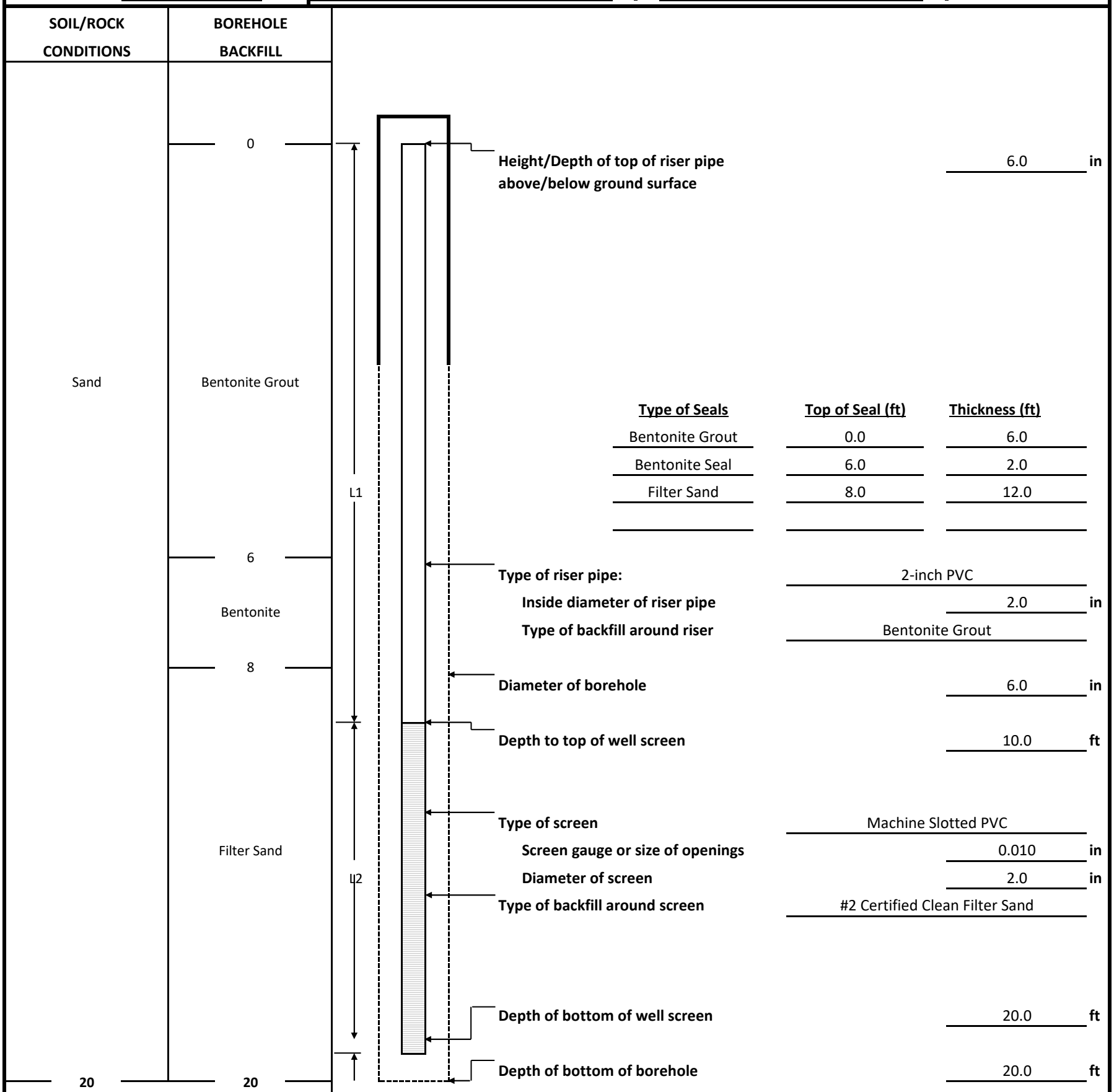
PERMANENT WELL INSTALLATION REPORT

Well No. RI-MW-05
Boring No. RI-SB-05

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**H&A FILE NO.**	0212609
LOCATION	8-01 and 8-51 26th Avenue, Queens, NY	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings LLC	**FIELD REP.**	C. Jackson
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE INSTALLED**	2/16/2026
DRILLER	P. Nelson	**WATER LEVEL**	12.72 ft btoc

Ground El.	14.45 ft	**Location**	See Plan	**Drilling Equipment**	Eijkelkamp CRS XL 140 Duo Sonic
El. Datum	NAVD 88				

Guard Pipe ☐
Roadway Box ☐



Height/Depth of top of riser pipe above/below ground surface 6.0 in

Type of Seals	Top of Seal (ft)	Thickness (ft)
Bentonite Grout	0.0	6.0
Bentonite Seal	6.0	2.0
Filter Sand	8.0	12.0

Type of riser pipe: 2-inch PVC
Inside diameter of riser pipe 2.0 in
Type of backfill around riser Bentonite Grout

Diameter of borehole 6.0 in

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
Type of backfill around screen #2 Certified Clean Filter Sand

Depth of bottom of well screen 20.0 ft

Depth of bottom of borehole 20.0 ft

Riser Pay Length (L1)		Length of Screen (L2)		Pay length
10 ft	+	10 ft	=	20 ft

COMMENTS:

PERMANENT WELL INSTALLATION REPORT

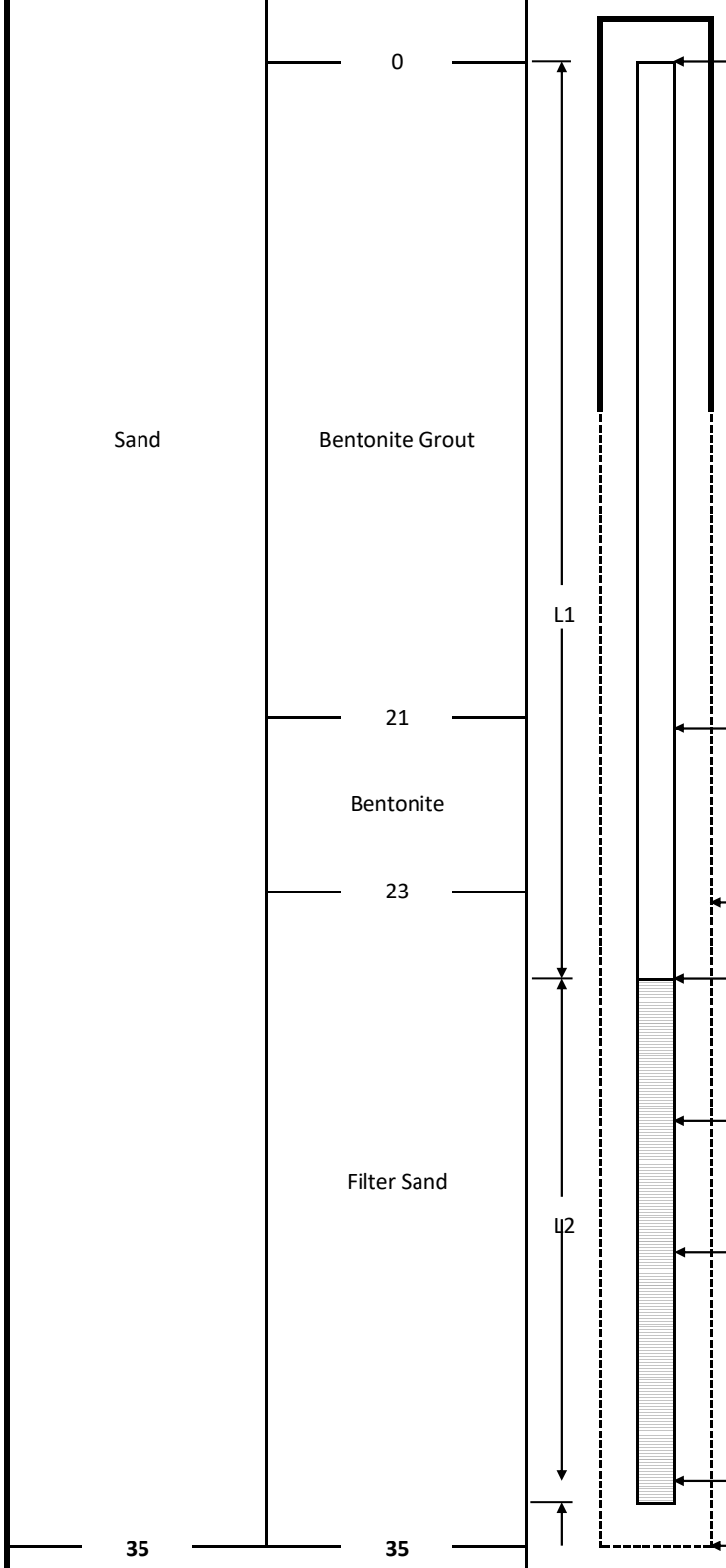
Well No. RI-MW-06
Boring No. RI-SB-06

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**H&A FILE NO.**	0212609
LOCATION	8-01 and 8-51 26th Avenue, Queens, NY	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings LLC	**FIELD REP.**	C. Jackson
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE INSTALLED**	2/13/2026
DRILLER	S. Khun	**WATER LEVEL**	27.95 ft btoc

Ground El.	30.76 ft	**Location**	See Plan	**Drilling Equipment**	Eijkelkamp CRS XL 140 Duo Sonic
El. Datum	NAVD 88				

Guard Pipe ☐
Roadway Box ☐

SOIL/ROCK CONDITIONS | **BOREHOLE BACKFILL**



Height/Depth of top of riser pipe above/below ground surface 11.5 in

Type of Seals	Top of Seal (ft)	Thickness (ft)
Bentonite Grout	0.0	21.0
Bentonite Seal	21.0	2.0
Filter Sand	23.0	12.0

Type of riser pipe: 2-inch PVC
Inside diameter of riser pipe 2.0 in
Type of backfill around riser Bentonite Grout

Diameter of borehole 6.0 in

Depth to top of well screen 25.0 ft

Type of screen Machine Slotted PVC
Screen gauge or size of openings 0.010 in
Diameter of screen 2.0 in
Type of backfill around screen #2 Certified Clean Filter Sand

Depth of bottom of well screen 35.0 ft

Depth of bottom of borehole 35.0 ft

Riser Pay Length (L1)		Length of Screen (L2)		Pay length
25 ft	+	10 ft	=	35 ft

COMMENTS:

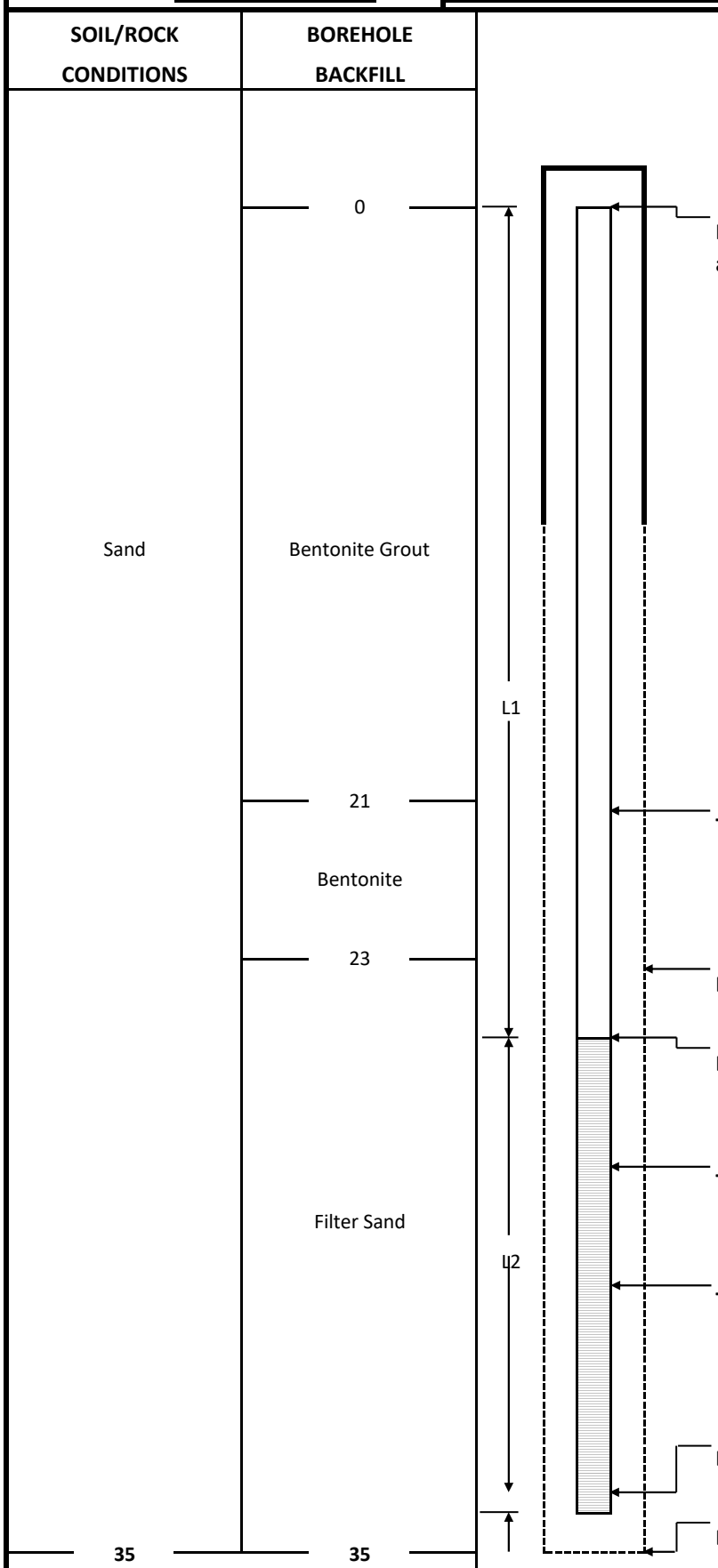
PERMANENT WELL INSTALLATION REPORT

Well No. RI-MW-07
Boring No. RI-SB-07

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**H&A FILE NO.**	0212609
LOCATION	8-01 and 8-51 26th Avenue, Queens, NY	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings LLC	**FIELD REP.**	C. Jackson
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE INSTALLED**	2/13/2026
DRILLER	S. Khun	**WATER LEVEL**	28.62 ft btoc

Ground El.	29.46 ft	**Location**	See Plan	**Drilling Equipment**	Eijkelkamp CRS XL 140 Duo Sonic
El. Datum	NAVD 88				

Guard Pipe ☐
Roadway Box ☐



Height/Depth of top of riser pipe above/below ground surface 13.0 in

Type of Seals	Top of Seal (ft)	Thickness (ft)
Bentonite Grout	0.0	21.0
Bentonite Seal	21.0	2.0
Filter Sand	23.0	12.0

Type of riser pipe: 2-inch PVC
Inside diameter of riser pipe 2.0 in
Type of backfill around riser Bentonite Grout

Diameter of borehole 6.0 in

Depth to top of well screen 25.0 ft

Type of screen Machine Slotted PVC
Screen gauge or size of openings 0.010 in
Diameter of screen 2.0 in
Type of backfill around screen #2 Certified Clean Filter Sand

Depth of bottom of well screen 35.0 ft

Depth of bottom of borehole 35.0 ft

Riser Pay Length (L1)		Length of Screen (L2)		Pay length
25 ft	+	10 ft	=	35 ft

COMMENTS:

PERMANENT WELL INSTALLATION REPORT

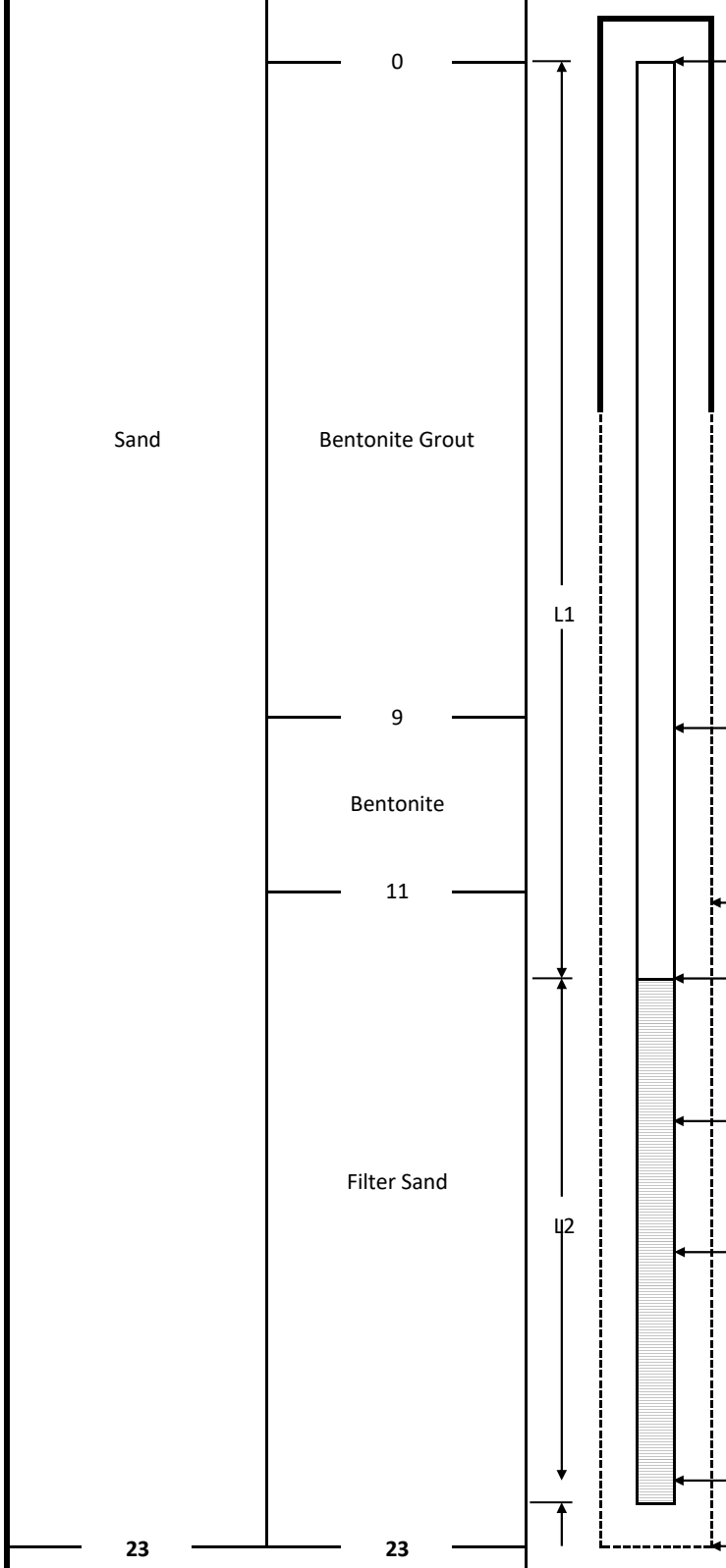
Well No. RI-MW-08
Boring No. RI-SB-08

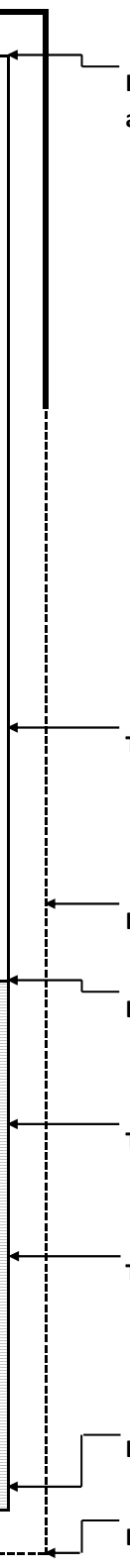
PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**H&A FILE NO.**	0212609
LOCATION	8-01 and 8-51 26th Avenue, Queens, NY	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings LLC	**FIELD REP.**	C. Jackson
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE INSTALLED**	2/4/2026
DRILLER	J. Slavin	**WATER LEVEL**	19.65 ft btoc

Ground El.	23.07 ft	**Location**	See Plan	**Drilling Equipment**	Geoprobe 7720 DT
El. Datum	NAVD 88				

Guard Pipe ☐
Roadway Box ☐

SOIL/ROCK CONDITIONS | **BOREHOLE BACKFILL**





(Not to Scale)

Height/Depth of top of riser pipe above/below ground surface 8.5 **in**

Type of Seals	**Top of Seal (ft)**	**Thickness (ft)**
Bentonite Grout	0.0	9.0
Bentonite Seal	9.0	2.0
Filter Sand	11.0	12.0

Type of riser pipe: 2-inch PVC
Inside diameter of riser pipe 2.0 **in**
Type of backfill around riser Bentonite Grout

Diameter of borehole 6.0 **in**

Depth to top of well screen 13.0 **ft**

Type of screen Machine Slotted PVC
Screen gauge or size of openings 0.010 **in**
Diameter of screen 2.0 **in**
Type of backfill around screen #2 Certified Clean Filter Sand

Depth of bottom of well screen 23.0 **ft**

Depth of bottom of borehole 23.0 **ft**

13 ft	+	10 ft	=	23 ft
Riser Pay Length (L1)		Length of Screen (L2)		Pay length

COMMENTS:

PERMANENT WELL INSTALLATION REPORT

Well No. RI-MW-09
Boring No. RI-SB-09

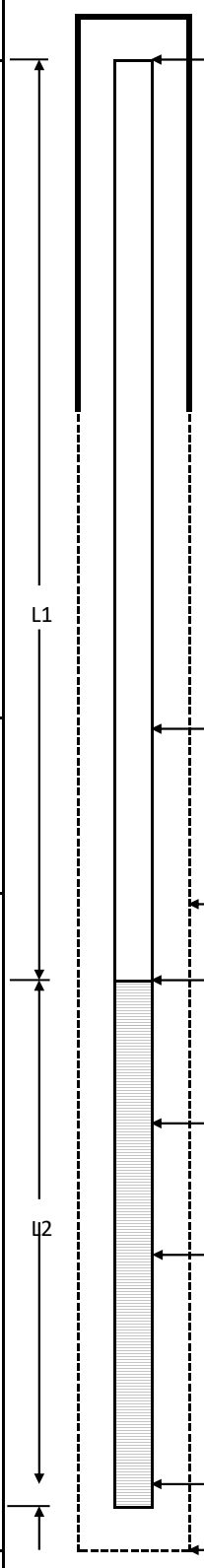
PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**H&A FILE NO.**	0212609
LOCATION	8-01 and 8-51 26th Avenue, Queens, NY	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings LLC	**FIELD REP.**	C. Jackson
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE INSTALLED**	2/13/2026
DRILLER	S. Khun	**WATER LEVEL**	27.93 ft btoc

Ground El.	30.07 ft	**Location**	See Plan	**Drilling Equipment**	Eijkelkamp CRS XL 140 Duo Sonic
El. Datum	NAVD 88				

Guard Pipe ☐
Roadway Box ☐

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL
Sand	Bentonite Grout
	Bentonite
	Filter Sand

0
21
23
35
35
(Bottom of Exploration)
(Numbers refer to depth from ground surface in feet)



Height/Depth of top of riser pipe above/below ground surface 14.5 in

Type of Seals	Top of Seal (ft)	Thickness (ft)
Bentonite Grout	0.0	21.0
Bentonite Seal	21.0	2.0
Filter Sand	23.0	12.0

Type of riser pipe: 2-inch PVC
Inside diameter of riser pipe 2.0 in
Type of backfill around riser Bentonite Grout
Diameter of borehole 6.0 in
Depth to top of well screen 25.0 ft
Type of screen Machine Slotted PVC
Screen gauge or size of openings 0.010 in
Diameter of screen 2.0 in
Type of backfill around screen #2 Certified Clean Filter Sand
Depth of bottom of well screen 35.0 ft
Depth of bottom of borehole 35.0 ft

(Not to Scale)

Riser Pay Length (L1)		Length of Screen (L2)		Pay length
25 ft	+	10 ft	=	35 ft

COMMENTS:

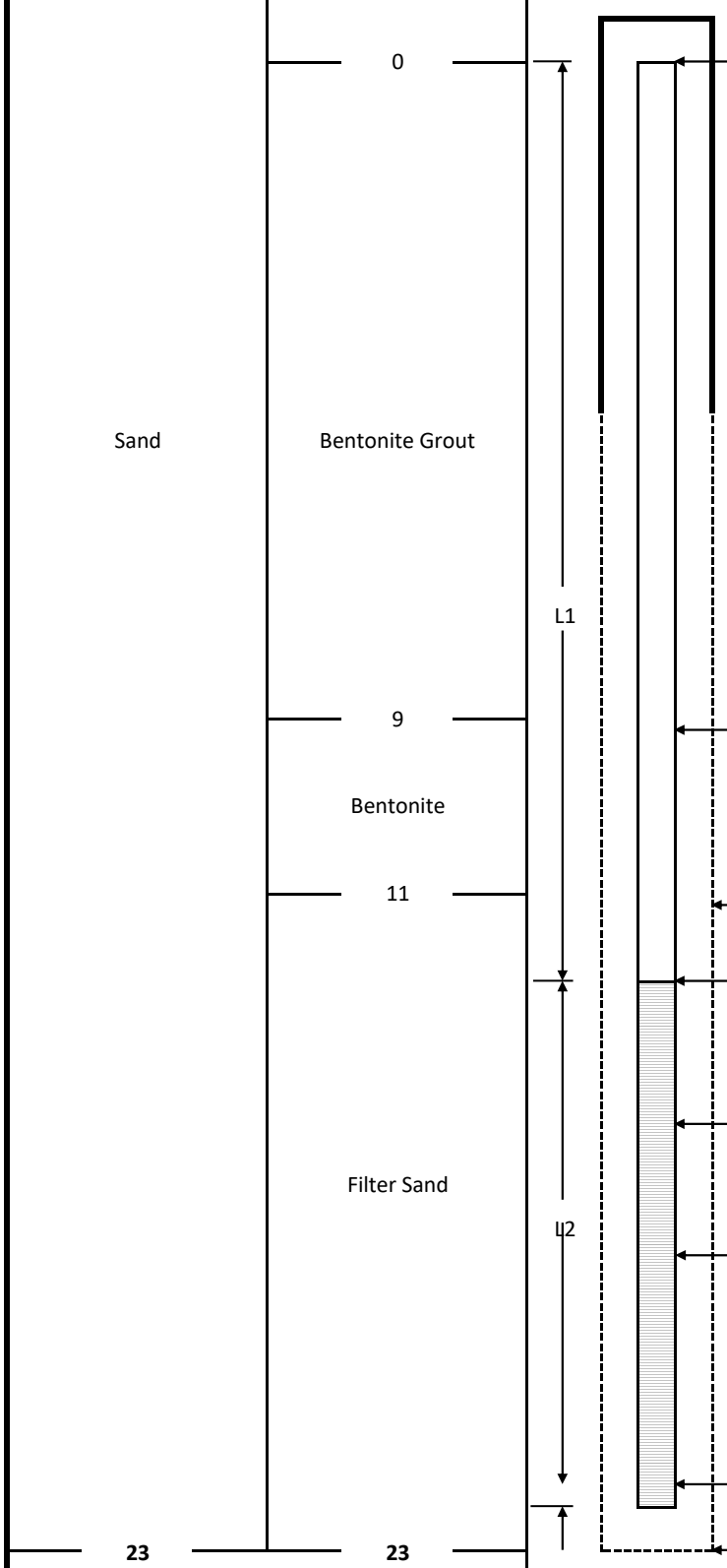
PERMANENT WELL INSTALLATION REPORT

Well No. RI-MW-10
Boring No. RI-SB-10

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**H&A FILE NO.**	0212609
LOCATION	8-01 and 8-51 26th Avenue, Queens, NY	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings LLC	**FIELD REP.**	C. Jackson
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE INSTALLED**	2/5/2026
DRILLER	J. Slavin	**WATER LEVEL**	17.60 ft btoc

Ground El.	19.02 ft	**Location**	See Plan	**Drilling Equipment**	Geoprobe 7720 DT
El. Datum	NAVD 88				**Guard Pipe** ☐ **Roadway Box** ☐

SOIL/ROCK CONDITIONS | **BOREHOLE BACKFILL**



Height/Depth of top of riser pipe above/below ground surface 30.0 **in**

Type of Seals	Top of Seal (ft)	Thickness (ft)
Bentonite Grout	0.0	9.0
Bentonite Seal	9.0	2.0
Filter Sand	11.0	12.0

Type of riser pipe: 2-inch PVC
Inside diameter of riser pipe 2.0 **in**
Type of backfill around riser Bentonite Grout

Diameter of borehole 6.0 **in**

Depth to top of well screen 13.0 **ft**

Type of screen Machine Slotted PVC
Screen gauge or size of openings 0.010 **in**
Diameter of screen 2.0 **in**
Type of backfill around screen #2 Certified Clean Filter Sand

Depth of bottom of well screen 23.0 **ft**

Depth of bottom of borehole 23.0 **ft**

Riser Pay Length (L1)		Length of Screen (L2)		Pay length
13 ft	+	10 ft	=	23 ft

COMMENTS:

PERMANENT WELL INSTALLATION REPORT

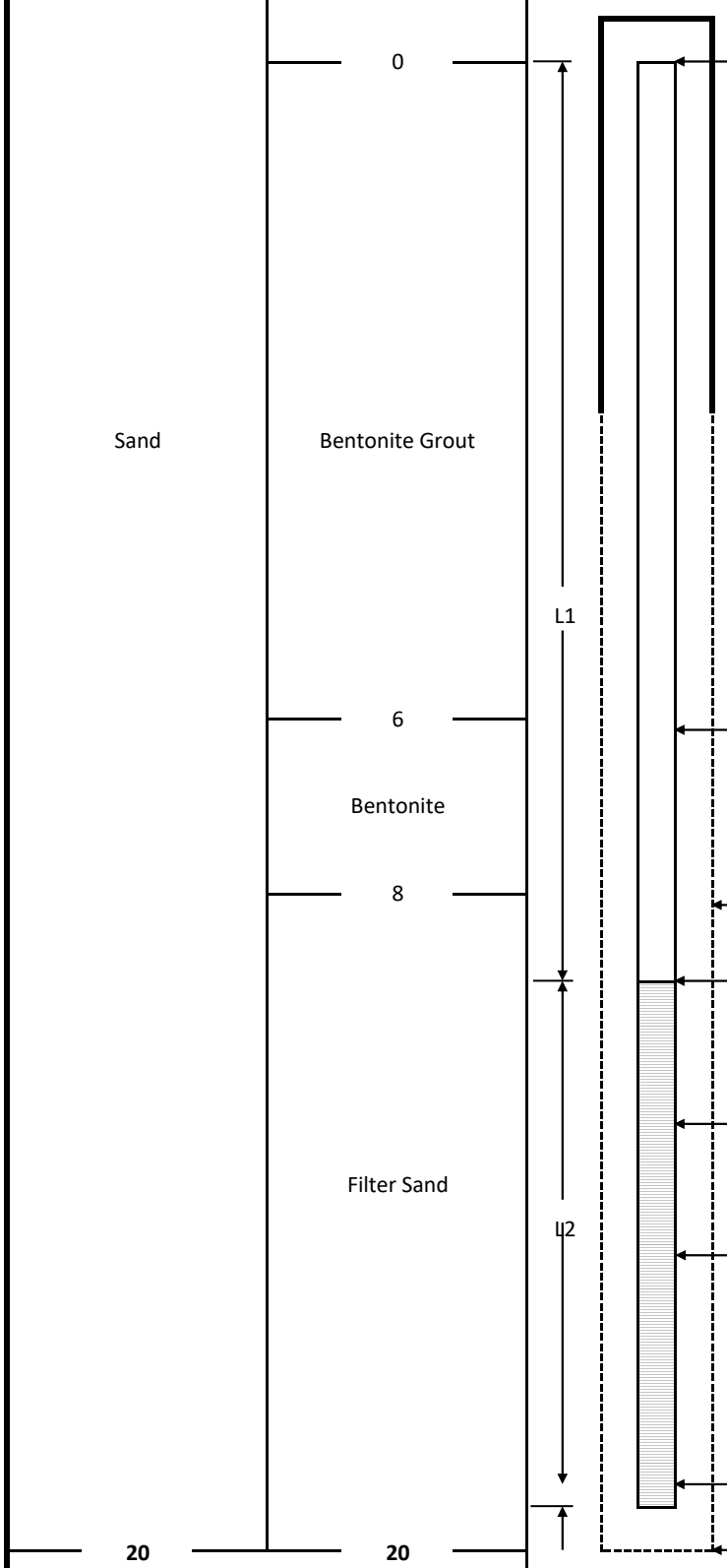
Well No. RI-MW-11
Boring No. RI-SB-11

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**H&A FILE NO.**	0212609
LOCATION	8-01 and 8-51 26th Avenue, Queens, NY	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings LLC	**FIELD REP.**	C. Jackson
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE INSTALLED**	2/16/2026
DRILLER	P. Nelson	**WATER LEVEL**	13.50 ft btoc

Ground El.	13.70 ft	**Location**	See Plan	**Drilling Equipment**	Eijkelkamp CRS XL 140 Duo Sonic
El. Datum	NAVD 88				

Guard Pipe ☐
Roadway Box ☐

SOIL/ROCK CONDITIONS | **BOREHOLE BACKFILL**



Height/Depth of top of riser pipe above/below ground surface 15.0 **in**

Type of Seals	Top of Seal (ft)	Thickness (ft)
Bentonite Grout	0.0	6.0
Bentonite Seal	6.0	2.0
Filter Sand	8.0	12.0

Type of riser pipe: 2-inch PVC
Inside diameter of riser pipe 2.0 **in**
Type of backfill around riser Bentonite Grout

Diameter of borehole 6.0 **in**

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**
Type of backfill around screen #2 Certified Clean Filter Sand

Depth of bottom of well screen 20.0 **ft**

Depth of bottom of borehole 20.0 **ft**

Riser Pay Length (L1)		Length of Screen (L2)		Pay length
10 ft	+	10 ft	=	20 ft

COMMENTS:

APPENDIX F
Groundwater Sampling Logs

LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**H&A FILE NO.**	0212609
LOCATION	8-01 and 8-51 26th Avenue, Queens, NY	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings LLC	**FIELD REP**	C. Jackson, T. Ritchie
CONTRACTOR	None	**DATE**	2/25/2026

GROUNDWATER SAMPLING INFORMATION

Well ID:	RI-MW-01	**Well Volume:**	.9058 gallons	**Start Time:**	7:40
Well Depth:	23.64 ft btoc	**Equipment:**	Monsoon Pump & Horiba U-52	**Sample Time:**	8:20
Depth to Water:	18.09 ft btoc				

GROUNDWATER QUALITY PARAMETERS

Time	Volume purged, gallons or liters (circle one)	Temp, C (+/-3%)	Conductivity, us/cm (+/- 3%)	Dissolved Oxygen, mg/L (+/- 10%)	pH (+/-0.1)	ORP/eH, mv (+/-10mv)	Turbidity, NTU (<5 NTU)	Depth to Water (ft)
7:40	0.33	13.21	0.821	7.32	6.16	140	313.0	18.09
7:45	0.66	14.19	0.897	5.42	6.6	92	304.0	18.14
7:50	1.00	14.51	0.915	4.74	6.95	76	139.0	18.14
7:55	1.33	14.27	0.924	4.10	6.98	75	67.6	18.13
8:00	1.66	14.43	0.927	3.34	7.00	71	11.3	18.13
8:05	2.00	14.56	0.928	2.90	7.01	68	8.2	18.15
8:10	2.33	14.52	0.925	2.93	6.98	67	6.5	18.15
8:15	2.66	14.50	0.928	2.90	7.01	66	5.5	18.15

Notes: MS/MSD samples collected from RI-MW-01

LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**H&A FILE NO.**	0212609
LOCATION	8-01 and 8-51 26th Avenue, Queens, NY	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings LLC	**FIELD REP**	C. Jackson, K. Moses
CONTRACTOR	None	**DATE**	2/26/2026

GROUNDWATER SAMPLING INFORMATION

Well ID:	RI-MW-02	**Well Volume:**	1.1065 gallons	**Start Time:**	8:15
Well Depth:	20.34 ft btoc	**Equipment:**	Monsoon Pump & Horiba U-52	**Sample Time:**	8:55
Depth to Water:	13.56 ft btoc				

GROUNDWATER QUALITY PARAMETERS

Time	Volume purged, gallons or liters (circle one)	Temp, C (+/-3%)	Conductivity, us/cm (+/- 3%)	Dissolved Oxygen, mg/L (+/- 10%)	pH (+/-0.1)	ORP/eH, mv (+/-10mv)	Turbidity, NTU (<5 NTU)	Depth to Water (ft)
8:15	0.00	9.90	41.5	13.31	7.10	267	130.0	13.56
8:20	0.25	9.07	43.7	9.26	7.10	247	97.5	13.70
8:25	0.50	9.08	44.3	5.87	7.21	209	29.3	13.74
8:30	0.75	8.60	43.7	8.41	7.31	214	18.5	13.80
8:35	1.00	8.96	45.0	5.28	7.26	201	7.5	13.82
8:40	1.25	8.66	45.4	5.20	7.28	201	3.0	13.91
8:45	1.50	8.60	45.2	5.67	7.29	204	1.7	13.93
8:50	1.75	8.58	45.1	5.68	7.29	204	1.6	13.93

Notes:

LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**H&A FILE NO.**	0212609
LOCATION	8-01 and 8-51 26th Avenue, Queens, NY	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings LLC	**FIELD REP**	C. Jackson, T.Ritchie
CONTRACTOR	None	**DATE**	2/25/2026

GROUNDWATER SAMPLING INFORMATION

Well ID:	RI-MW-03	**Well Volume:**	0.5728 gallons	**Start Time:**	9:05
Well Depth:	22.11 ft btoc	**Equipment:**	Monsoon Pump & Horiba U-52	**Sample Time:**	9:55
Depth to Water:	18.60 ft btoc				

GROUNDWATER QUALITY PARAMETERS

Time	Volume purged, gallons or liters (circle one)	Temp, C (+/-3%)	Conductivity, us/cm (+/- 3%)	Dissolved Oxygen, mg/L (+/- 10%)	pH (+/-0.1)	ORP/eH, mv (+/-10mv)	Turbidity, NTU (<5 NTU)	Depth to Water (ft)
9:05	0.00	9.16	0.829	3.51	7.09	115	157.0	18.60
9:10	0.25	11.51	0.827	2.52	7.17	110	226.0	19.20
9:15	0.50	11.27	0.829	2.19	7.20	114	184.0	19.10
9:20	0.75	12.43	0.826	1.47	7.21	108	114.0	19.11
9:25	1.00	12.99	0.826	1.04	7.22	99	61.1	19.14
9:30	1.25	13.51	0.826	0.80	7.24	87	36.9	19.40
9:35	1.50	13.20	0.830	0.72	7.24	73	33.9	19.39
9:40	1.75	13.64	0.836	0.55	7.24	63	30.9	19.43
9:45	2.00	13.27	0.841	0.46	7.24	56	26.2	19.34
9:50	2.25	13.67	0.845	0.47	7.24	50	26.1	19.30

Notes: RI-MW-03_20260225 sample collected at 9:55. DUP-01_20260225 sample collected at 10:00

LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**H&A FILE NO.**	0212609
LOCATION	8-01 and 8-51 26th Avenue, Queens, NY	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings LLC	**FIELD REP**	C. Jackson, T.Ritchie
CONTRACTOR	None	**DATE**	2/25/2026

GROUNDWATER SAMPLING INFORMATION

Well ID:	RI-MW-04	**Well Volume:**	1.1555 gallons	**Start Time:**	14:10
Well Depth:	34.70 ft btoc	**Equipment:**	Monsoon Pump & Horiba U-52	**Sample Time:**	14:55
Depth to Water:	27.62 ft btoc				

GROUNDWATER QUALITY PARAMETERS

Time	Volume purged, gallons or liters (circle one)	Temp, C (+/-3%)	Conductivity, us/cm (+/- 3%)	Dissolved Oxygen, mg/L (+/- 10%)	pH (+/-0.1)	ORP/eH, mv (+/-10mv)	Turbidity, NTU (<5 NTU)	Depth to Water (ft)
14:10	0.33	19.09	1.60	7.51	7.31	145	231.0	27.63
14:15	0.66	15.60	1.40	4.49	7.19	147	174.0	27.63
14:20	1.00	16.39	1.31	3.92	7.07	144	123.0	27.62
14:25	1.33	15.91	1.29	3.26	7.09	136	78.2	27.60
14:30	1.66	16.15	1.31	2.85	7.09	131	69.3	27.39
14:35	2.00	16.41	1.30	2.43	7.04	135	55.7	27.74
14:40	2.33	16.45	1.30	2.08	6.99	149	31.4	27.81
14:45	2.66	16.42	1.30	2.18	7.04	141	12.6	27.45
14:50	3.00	16.32	1.29	2.20	7.08	143	8.6	28.49

Notes:

LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**H&A FILE NO.**	0212609
LOCATION	8-01 and 8-51 26th Avenue, Queens, NY	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings LLC	**FIELD REP**	C. Jackson
CONTRACTOR	None	**DATE**	2/25/2026-2/26/2026

GROUNDWATER SAMPLING INFORMATION

Well ID:	RI-MW-05	**Well Volume:**	0.6153 gallons	**Start Time:**	12:50 on 2/25/2026
Well Depth:	20.34 ft btoc	**Equipment:**	Monsoon Pump & Horiba U-52	**Sample Time:**	6:55 on 2/26/2026
Depth to Water:	16.57 ft btoc				

GROUNDWATER QUALITY PARAMETERS

Time	Volume purged, gallons or liters (circle one)	Temp, C (+/-3%)	Conductivity, us/cm (+/- 3%)	Dissolved Oxygen, mg/L (+/- 10%)	pH (+/-0.1)	ORP/eH, mv (+/-10mv)	Turbidity, NTU (<5 NTU)	Depth to Water (ft)
2/25/2026								
12:50	0.00	12.79	42.0	6.64	8.05	199	861.0	16.55
12:55	0.25	13.84	42.3	2.24	7.22	36	621.0	19.47
13:00	0.50	14.65	42.3	2.20	7.02	42	547.0	19.57
13:05	0.75	8.02	42.6	1.89	7.25	45	229.0	19.62
13:10	1.00	10.11	42.7	1.18	7.23	51	104.0	19.81
2/26/2026								
6:35	1.66	11.02	41.1	2.18	7.26	37	109.0	14.22
6:40	2.00	12.11	41.8	2.15	7.23	18	30.3	14.52
6:45	2.33	12.20	42.2	2.14	7.21	20	22.4	14.66
6:50	2.66	12.22	42.3	2.14	7.19	21	20.2	15.27

Notes: Well runs dry at 13:10 on 2/25/2026, and allowed to recharge overnight before sampling on 2/26/2026

LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**H&A FILE NO.**	0212609
LOCATION	8-01 and 8-51 26th Avenue, Queens, NY	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings LLC	**FIELD REP**	C. Jackson, K. Moses
CONTRACTOR	None	**DATE**	2/26/2026

GROUNDWATER SAMPLING INFORMATION

Well ID:	RI-MW-06	**Well Volume:**	1.2338 gallons	**Start Time:**	8:00
Well Depth:	35.51 ft btoc	**Equipment:**	Monsoon Pump & Horiba U-52	**Sample Time:**	9:00
Depth to Water:	27.95 ft btoc				

GROUNDWATER QUALITY PARAMETERS

Time	Volume purged, gallons or liters (circle one)	Temp, C (+/-3%)	Conductivity, us/cm (+/- 3%)	Dissolved Oxygen, mg/L (+/- 10%)	pH (+/-0.1)	ORP/eH, mv (+/-10mv)	Turbidity, NTU (<5 NTU)	Depth to Water (ft)
8:00	0.00	13.75	1.48	2.01	7.49	65	458.0	28.10
8:05	0.25	15.82	1.51	0.26	7.10	-56	344.0	28.12
8:10	0.50	16.12	1.48	0.00	7.10	-61	420.0	28.13
8:15	0.75	16.30	1.46	0.00	7.09	-66	465.0	28.12
8:20	1.00	16.10	1.43	0.00	7.08	-67	325.0	28.12
8:25	1.25	16.72	1.38	0.00	7.05	-65	75.1	28.14
8:30	1.50	16.08	1.37	0.00	7.04	-59	55.6	28.14
8:35	1.75	16.30	1.37	0.00	7.04	-60	50.5	28.14
8:40	2.00	16.09	1.36	0.00	7.03	-58	37.3	28.14
8:45	2.25	16.18	1.36	0.00	7.03	-58	32.3	28.14
8:50	2.50	16.18	1.36	0.00	7.04	-59	28.2	28.14
8:55	2.75	16.18	1.36	0.00	7.04	-59	27.5	28.14

Notes:

LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**H&A FILE NO.**	0212609
LOCATION	8-01 and 8-51 26th Avenue, Queens, NY	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings LLC	**FIELD REP**	C. Jackson, T. Ritchie
CONTRACTOR	None	**DATE**	2/25/2026

GROUNDWATER SAMPLING INFORMATION

Well ID:	RI-MW-07	**Well Volume:**	1.1424 gallons	**Start Time:**	14:15
Well Depth:	36.70 ft btoc	**Equipment:**	Monsoon Pump & Horiba U-52	**Sample Time:**	15:00
Depth to Water:	29.70 ft btoc				

GROUNDWATER QUALITY PARAMETERS

Time	Volume purged, gallons or liters (circle one)	Temp, C (+/-3%)	Conductivity, us/cm (+/- 3%)	Dissolved Oxygen, mg/L (+/- 10%)	pH (+/-0.1)	ORP/eH, mv (+/-10mv)	Turbidity, NTU (<5 NTU)	Depth to Water (ft)
14:15	0.25	11.90	37.80	2.76	7.17	46	295.0	29.70
14:20	0.50	5.32	1.59	0.67	7.45	47	164.0	29.70
14:25	0.75	15.71	2.28	0.55	7.20	59	107.0	29.90
14:30	1.00	16.22	2.59	0.68	7.07	75	50.2	29.90
14:35	1.25	16.74	6.15	1.13	6.93	88	45.1	30.00
14:40	1.50	16.56	6.56	1.16	6.95	89	16.9	30.20
14:45	1.75	16.50	7.16	1.19	6.93	91	15.0	30.30
14:50	2.00	16.46	7.07	1.18	6.94	92	11.3	30.30
14:55	2.25	16.45	7.08	1.17	6.93	93	10.5	30.30

Notes:

LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**H&A FILE NO.**	0212609
LOCATION	8-01 and 8-51 26th Avenue, Queens, NY	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings LLC	**FIELD REP**	C. Jackson
CONTRACTOR	None	**DATE**	2/24/2026

GROUNDWATER SAMPLING INFORMATION

Well ID:	RI-MW-08	**Well Volume:**	0.5826 gallons	**Start Time:**	13:30
Well Depth:	21.03 ft btoc	**Equipment:**	Monsoon Pump & Horiba U-52	**Sample Time:**	15:15
Depth to Water:	17.46 ft btoc				

GROUNDWATER QUALITY PARAMETERS

Time	Volume purged, gallons or liters (circle one)	Temp, C (+/-3%)	Conductivity, us/cm (+/- 3%)	Dissolved Oxygen, mg/L (+/- 10%)	pH (+/-0.1)	ORP/eH, mv (+/-10mv)	Turbidity, NTU (<5 NTU)	Depth to Water (ft)
13:30	0.33	4.07	0.142	4.95	7.80	93	115.0	17.64
13:35	0.66	4.38	0.002	13.04	7.09	135	143.0	17.93
14:45	1.00	9.52	0.142	36.54	6.66	118	205.0	17.96
14:50	1.33	10.77	0.129	7.93	6.52	127	145.0	17.97
14:55	1.66	8.64	0.115	8.88	6.54	129	112.0	17.98
15:00	2.00	7.00	0.990	8.55	6.51	138	76.2	17.98
15:05	2.33	7.43	1.000	8.46	6.49	142	51.3	18.02
15:10	2.66	7.40	1.020	8.42	6.49	145	12.8	18.03

Notes: Monsoon pump breaks at 13:35, then is troubleshooted and replaced at 14:45

LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**H&A FILE NO.**	0212609
LOCATION	8-01 and 8-51 26th Avenue, Queens, NY	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings LLC	**FIELD REP**	C. Jackson, K. Moses
CONTRACTOR	None	**DATE**	2/26/2026

GROUNDWATER SAMPLING INFORMATION

Well ID:	RI-MW-09	**Well Volume:**	1.1081 gallons	**Start Time:**	9:25
Well Depth:	34.65 ft btoc	**Equipment:**	Monsoon Pump & Horiba U-52	**Sample Time:**	10:30
Depth to Water:	27.86 ft btoc				

GROUNDWATER QUALITY PARAMETERS

Time	Volume purged, gallons or liters (circle one)	Temp, C (+/-3%)	Conductivity, us/cm (+/- 3%)	Dissolved Oxygen, mg/L (+/- 10%)	pH (+/-0.1)	ORP/eH, mv (+/-10mv)	Turbidity, NTU (<5 NTU)	Depth to Water (ft)
9:25	0.00	11.18	2.010	12.33	7.39	124	1000.0	27.86
9:30	0.25	15.50	-1.000	3.48	7.29	136	728.0	28.09
9:35	0.50	15.14	0.957	2.82	7.26	145	514.0	28.00
9:40	0.75	14.46	0.930	2.80	7.20	150	425.0	28.02
9:45	1.00	15.31	0.920	2.43	7.16	152	375.0	28.09
9:50	1.25	15.81	0.923	2.71	7.14	146	655.0	28.08
9:55	1.50	15.43	0.923	2.33	7.12	146	484.0	28.10
10:00	1.75	15.48	0.921	2.30	7.09	148	351.0	28.08
10:05	2.00	15.27	0.926	3.51	7.15	146	226.0	28.10
10:10	2.25	15.95	0.928	3.25	7.11	144	125.0	28.10
10:15	2.50	16.09	0.928	3.13	7.08	142	84.6	28.16
10:20	2.75	15.94	0.927	3.05	7.09	142	67.8	28.12
10:25	3.00	15.94	0.925	2.95	7.08	140	17.2	28.10

Notes: Sheen on purge water but cleared up by the time the sample was collected

LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	Former Tilsdale Lumber and Coal Redevelopment Site	**H&A FILE NO.**	0212609
LOCATION	8-01 and 8-51 26th Avenue, Queens, NY	**PROJECT MGR.**	E. Butler
CLIENT	KS Astoria Holdings LLC	**FIELD REP**	C. Jackson, T.Ritchie
CONTRACTOR	None	**DATE**	2/25/2026

GROUNDWATER SAMPLING INFORMATION

Well ID:	RI-MW-10	**Well Volume:**	1.1570 gallons	**Start Time:**	10:40
Well Depth:	24.73 ft btoc	**Equipment:**	Monsoon Pump & Horiba U-52	**Sample Time:**	11:20
Depth to Water:	17.64 ft btoc				

GROUNDWATER QUALITY PARAMETERS

Time	Volume purged, gallons or liters (circle one)	Temp, C (+/-3%)	Conductivity, us/cm (+/- 3%)	Dissolved Oxygen, mg/L (+/- 10%)	pH (+/-0.1)	ORP/eH, mv (+/-10mv)	Turbidity, NTU (<5 NTU)	Depth to Water (ft)
10:40	0.00	11.03	0.844	10.19	7.21	95	761.0	17.65
10:45	0.33	13.78	0.839	8.67	7.03	86	673.0	19.43
10:50	0.66	14.55	0.834	7.91	7.00	86	603.0	19.52
10:55	1.00	14.53	0.838	7.31	7.00	87	373.0	19.53
11:00	1.33	14.66	0.842	6.76	7.00	87	146.0	19.50
11:05	1.66	14.83	0.851	6.19	7.00	87	42.6	19.80
11:10	2.00	14.77	0.855	6.25	6.96	88	22.5	19.62
11:15	2.33	14.90	0.856	6.35	6.98	88	5.6	19.50

Notes:

LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	**Former Tilsdale Lumber and Coal Redevelopment Site**	**H&A FILE NO.**	0212609
LOCATION	**8-01 and 8-51 26th Avenue, Queens, NY**	**PROJECT MGR.**	E. Butler
CLIENT	**KS Astoria Holdings LLC**	**FIELD REP**	C. Jackson
CONTRACTOR	**None**	**DATE**	2/25/2026 - 2/26/2026

GROUNDWATER SAMPLING INFORMATION

Well ID:	RI-MW-11	**Well Volume:**	1.0657 gallons	**Start Time:**	12:45 on 2/25/2026
Well Depth:	20.27	**Equipment:**	Monsoon Pump & Horiba U-52	**Sample Time:**	7:35 on 2/26/2026
Depth to Water:	13.74				

GROUNDWATER QUALITY PARAMETERS

Time	Volume purged, gallons or liters (circle	Temp, C (+/-3%)	Conductivity, us/cm (+/- 3%)	Dissolved Oxygen, mg/L (+/- 10%)	pH (+/-0.1)	ORP/eH, mv (+/-10mv)	Turbidity, NTU (<5 NTU)	Depth to Water (ft)
2/25/2026								
12:45	0.00	11.32	40.0	2.81	6.24	127	549.0	13.74
12:50	0.33	11.47	38.8	1.88	6.93	39	307.0	18.30
12:55	0.66	11.90	28.1	1.92	7.06	24	261.0	18.45
13:00	1.00	11.83	37.8	2.29	7.10	21	234.0	18.46
13:05	1.33	12.00	38.1	2.29	7.12	21	111.0	18.45
13:10	1.66	12.12	38.2	2.32	7.12	22	37.3	18.45
13:15	2.00	12.12	38.2	2.33	7.13	23	18.6	18.49
2/26/2026								
7:15	2.33	12.10	36.3	2.42	7.12	158	117.0	13.82
7:20	2.66	12.09	38.0	2.44	7.13	30	48.6	13.91
7:25	3.00	12.11	38.1	2.48	7.12	27	22.3	14.04
7:30	3.33	12.11	38.2	2.53	7.12	21	19.4	14.15

Notes: Well runs dry at 13:15 on 2/25/2026, and allowed to recharge overnight before sampling on 2/26/2026

APPENDIX G
Soil Vapor Sampling Logs

SOIL VAPOR/INDOOR/AMBIENT AIR SAMPLING LOG

Project Name/Location: Former Tilsdale and Lumber and Coal Redevelopment Site Project Number: 0212609

Site: 8-01 and 8-51 26th Avenue, Queens, NY
Date Collected: 2/5/26, 2/6/26, 2/13/26, 2/16/26
Personnel: C. Jackson, K. O'Connor, T. Ritchie
Weather: Variable
Humidity: Variable

Sample ID	Canister Size	Canister ID	Flow Controller ID	Sample Start Time	Canister Start Pressure ("Hg)	Sample End Time	Canister End Pressure ("Hg)	Sample Start Date	Sample Type	Analyses Method
RI-SV-01_20260205	2.7L	381	03062	12:02	-30.43	13:44	-4.56	2/5/2026	SV	TO-15
RI-SV-02_20260206	2.7L	2207	01429	11:07	-30.16	12:51	-4.81	2/6/2026	SV	TO-15
RI-SV-03_20260205	2.7L	2215	01718	12:11	-30.49	14:08	-4.6	2/5/2026	SV	TO-15
RI-SV-04_20260213	2.7L	2819	0199	14:08	-30.39	15:41	-4.88	2/13/2026	SV	TO-15
RI-SV-05_20260206	2.7L	230	03102	11:01	-30.24	12:44	-3.48	2/6/2026	SV	TO-15
RI-SV-06_20260216	2.7L	4393	03222	7:46	-30.14	9:46	-1.14	2/16/2026	SV	TO-15
RI-SV-07_20260206	2.7L	2821	01461	10:55	-30.33	12:43	-3.56	2/6/2026	SV	TO-15
RI-SV-08_20260205	2.7L	405	03075	12:16	-30.67	14:16	-4.98	2/5/2026	SV	TO-15
RI-SV-09_20260213	2.7L	2355	02971	12:55	-29.99	14:09	-1.20	2/13/2026	SV	TO-15
RI-SV-10_20260205	2.7L	3025	01962	12:24	-30.54	14:18	-4.83	2/5/2026	SV	TO-15
RI-SV-11_20260205	2.7L	3198	01603	12:31	-31.07	14:21	-5.60	2/5/2026	SV	TO-15

Notes:

Summas and flow regulators provided by Alpha Analytical
Analyses for VOCs by Method TO-15

APPENDIX H
Analytical Laboratory Reports
Standalone Volume

SEE STANDALONE VOLUME

APPENDIX I
Data Usability Summary Reports

Data Usability Summary Report

Project Name: Astoria Cove Buildings 3A & 3B

Project Description: Soil Gas Samples

Sample Dates: February 5 through 16, 2026

Analytical Laboratory: Pace Analytical – Mansfield, MA

Validation Performed by: Abigail Peters

Validation Reviewed by: Kristina Ilina

Validation Date: March 9, 2026

Table of Contents

1.	**Introduction**	**3**
2.	**Sample Delivery Group**	**4**
2.1	SAMPLE MANAGEMENT	4
2.2	HOLDING TIMES/PRESERVATION	4
2.3	REPORTING LIMITS AND SAMPLE DILUTIONS	4
2.4	SURROGATE RECOVERY COMPLIANCE	5
2.5	BLANK SAMPLE ANALYSIS	5
2.6	LABORATORY CONTROL SAMPLES	5
2.7	DUPLICATE SAMPLE ANALYSIS	5
2.8	PRECISION AND ACCURACY	6
2.9	CLEAN CANISTER CERTIFICATION	6
2.10	SYSTEM PERFORMANCE AND OVERALL ASSESSMENT	6
3.	**Explanations**	**7**
4.	**Glossary**	**8**
5.	**Abbreviations**	**9**
6.	**Qualifiers**	**10**
References		**11**

1. Introduction

H & A of New York Engineering and Geology, LLP prepared this Data Usability Summary Report (DUSR) to summarize the review and validation of the analytical results for the Sample Delivery Groups (SDGs) listed.

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:

- Analysis of Volatile Organic Compounds (VOCs) in Air Contained in Canisters by Method TO-15.
- National Functional Guidelines (NFG) for Organic Data Review.

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 (SOPs). The results presented in each laboratory report were found to be compliant with the data quality objectives (DQOs) for the project and are therefore usable; any exceptions are noted in the following pages and listed below.

A subset of data was marked non-reportable due to calibration curve exceedance; the reanalysis results are available. All results are usable. A summary of qualifications is provided in Section 2.10.

2. Sample Delivery Group

2.1 SAMPLE MANAGEMENT

This DUSR summarizes the review of SDG numbers:

- L2606586, dated February 10, 2026;
- L2606926, dated February 11, 2026;
- L2608463, dated February 23, 2026; and
- L2608676, dated February 19, 2026.

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

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 present on the sample containers.

Analyses were performed on the following samples:

Sample ID	Sample Type	Lab ID	Sample Date	Matrix	Methods	Holding Time
R1-SV-01_20260205	N	L2606586-01	02/05/2026	GS	Volatile Organic Compounds (VOCs) in air by TO-15	30 days
R1-SV-03_20260205	N	L2606586-02	02/05/2026	GS		
R1-SV-08_20260205	N	L2606586-03	02/05/2026	GS		
R1-SV-10_20260205	N	L2606586-04	02/05/2026	GS		
R1-SV-11_20260205	N	L2606586-05	02/05/2026	GS		
RI-SV-02-20260206	N	L2606926-01	02/06/2026	GS		
RI-SV-05-20260206	N	L2606926-02	02/06/2026	GS		
RI-SV-07-20260206	N	L2606926-03	02/06/2026	GS		
RI-SV-06_20260216*	N	L2608463-01	02/16/2026	GS		
RI-SV-04_20260213	N	L2608676-01	02/13/2026	GS		
RI-SV-09_20260213	N	L2608676-03	02/13/2026	GS		

**Sample was analyzed for VOCs SIM by TO-15 SIM in addition to TO-15.*

2.2 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.

2.3 REPORTING LIMITS AND SAMPLE DILUTIONS

No sample dilutions were performed for the analysis of the samples in this report. Samples collected in Summa canisters are pressurized by the laboratory, resulting in a ~2x dilution.

All sample dilutions were reviewed and found to be justified. Dilution of the project samples was required to bring calibration of target analytes within calibration range, matrix interference, foaming at the time of purging, or abundance of non-target analytes.

- Samples L2608463-01D, L2608676-01D, and L2608676-03D have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.
- L2606926-02D: The sample was re-analyzed on dilution in order to quantitate the results of tetrachloroethene and trichloroethene within the calibration range. The result(s) are qualified with an E flag. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

2.4 SURROGATE RECOVERY COMPLIANCE

Refer to Section E 1.1. The percent recovery (%R) for each surrogate compound added to each project sample was determined to be within the laboratory-specified quality control (QC) limits. No additional qualification of the reported results is recommended.

2.5 BLANK SAMPLE ANALYSIS

Refer to Section E 1.2. Method blank samples had no detections, indicating that no contamination from laboratory activities occurred.

2.6 LABORATORY CONTROL SAMPLES

Refer to Section E 1.3. Compounds associated with the laboratory control sample (LCS) analyses associated with client samples exhibited recoveries within the specified limits, with the following exceptions:

Sample Type	Method	Batch ID	Analyte	%R	Qualifier	Affected Samples
LCS	TO-15	WG2177910	n-Hexane	133%	J/None	None, samples are non-detect (ND)
		WG2177066	trans-1,3-Dichloropropene	132%		
			1,2,4-Trichlorobenzene	131%		
			Hexachlorobutadiene	132%		

2.7 DUPLICATE SAMPLE ANALYSIS

Refer to Section E 1.4. 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)
L2606586-02	R1-SV03_20260205	TO-15

2.8 PRECISION AND ACCURACY

Refer to Section E 1.5. Where required by the method, some measurement of analytical accuracy and precision was reported for each method with the site samples.

2.9 CLEAN CANISTER CERTIFICATION

The canisters used for the TO-15 sample collection were certified-clean by batch analysis prior to sampling to document that no target analytes were present. These analysis sheets were reviewed and no target analytes were detected in the laboratory-provided canisters, with the following exceptions:

Sample ID	Analysis Date	Clean Can ID	Analyte	Canister Concentration (µg/m³)	Sample Concentration (µg/m³)	Qualification
L2604643-04	01/25/26 01:12	CAN 3725 SHELF 63	Propane	1.28	NA	None, not a target analyte
			Cyclopentanone	2.1	NA	

Note: *µg/m³ = micrograms per cubic meter*

2.10 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. The qualifiers applied to this dataset are summarized in the table below.

Sample ID	Analyte	Reported Result	Validated Result	Reason for Qualifier
RI-SV-05-20260206	Tetrachloroethene	3,990	NR	Exceeds Calibration Curve
	Trichloroethene	1,090	NR	

**NR – Result is non-reportable.*

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 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 %R of the compounds.
- E 1.2 Blank Sample Analysis
  - Method blanks are prepared by the analytical laboratory and analyzed concurrently with the project samples to assess possible laboratory contamination.
- E 1.3 Laboratory Control Samples
  - The LCS/laboratory control sample duplicate (LCSD) analyses are used to assess the precision and accuracy of the analytical method independent of matrix interferences.
- E 1.4 Laboratory 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 1.5 Precision and Accuracy
  - Precision measures the reproducibility of repetitive measurements. In a laboratory environment, this will be measured by determining the 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 %R of certain spiked compounds. This can be assessed using LCS, blank spike (BS), MS, and/or surrogate recoveries.

4. Glossary

*Analyte names may be abbreviated for simplicity. Please refer to the laboratory report for the full analyte name.
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:
  - ng/kg nanograms per kilogram
  - µg/L micrograms per liter
  - µg/m3 micrograms per cubic meter
  - mg/kg milligrams per kilogram
  - mg/L milligrams per liter
  - ppbv/v parts per billion volume/volume
  - pCi/L picocuries per liter
  - pg/g picograms per gram
  - pg/L picograms per liter
- Matrices:
  - AA Ambient Air
  - GS Soil Gas
  - GW/WG Groundwater
  - IA Indoor Air
  - SE Sediment
  - SO Soil
  - SSV Sub-slab Vapor
  - ST Solid Waste
  - WM Stormwater
  - WQ Water Quality control matrix
  - WS Surface Water
  - WW Waste Water
- Table Footnotes:
  - NA Not applicable
  - ND Non-detect
  - NR Not reported
- Common Symbols:
  - % percent
  - < less than
  - ≤ less than or equal to
  - > greater than
  - ≥ greater than or equal to
  - = equal
  - °C degrees Celsius
  - ± plus or minus
  - ~ approximately
  - x times (multiplier)
- Fractions:
  - N Normal (method cannot be filtered)
  - D Dissolved (filtered)
  - T Total (unfiltered)

5. Abbreviations

%D	Percent Difference
%R	Percent Recovery
%RSD	Percent Relative Standard Deviation
%v/v	Percent volume by volume
2s	2 sigma
4,4-DDT	4 4-dichlorodiphenyltrichloroethane
Abs Diff	Absolute Difference
amu	atomic mass unit
BPJ	Best Professional Judgement
BS	Blank Spike
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CCVL	Continuing Calibration Verification Low
COC	Chain of Custody
COM	Combined Isotope Calculation
Cr (VI)	Hexavalent Chromium
CRI	Collision Reaction Interface
DoD	Department of Defense
DQO	data quality objective
DUSR	Data Usability Summary Report
EIS	Extraction Internal Standard
EMPC	Estimated Maximum Possible Concentration
FBK	Field Blank Contamination
FDP	Field Duplicate
GC	Gas Chromatograph
GC/MS	Gas Chromatography/Mass Spectrometry
GPC	Gel Permeation Chromatography
H_2	Hydrogen gas
HCl	Hydrochloric Acid
ICAL	Initial Calibration
ICB	Initial Calibration Blank
ICP/MS	Inductively Coupled Plasma/Mass Spectrometry
ICV	Initial Calibration Verification
ICVL	Initial Calibration Verification Low
IPA	Isopropyl Alcohol
LC	Laboratory Control
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate
MBK	Method Blank Contamination
MDC	Minimum Detectable Concentration
MDL	Laboratory Method Detection Limit
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NA	not applicable
ND	Non-Detect
NFG	National Functional Guidelines
NH_3	Ammonia
NYSDEC	New York State Department of Environmental Conservation
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
PDS	Post-Digestion Spike
PEM	Performance Evaluation Mixture
PFAS	Per- and Polyfluoroalkyl Substances
PFBA	Perfluorobutanoic Acid
PFD	Perfluorodecalin
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctane sulfonate
PFPeA	Perfluoropentanoic Acid
QAPP	Quality Assurance Project Plan
QC	Quality Control
QSM	Quality Systems Manual
R^2	R-squared value
Ra-226	Radium-226
Ra-228	Radium-228
RESC	Resolution Check Measure
RL	Laboratory Reporting Limit
RPD	Relative Percent Difference
RRF	Relative Response Factor
RT	Retention Time
SAP	Sampling Analysis Plan
SDG	Sample Delivery Group
SIM	Selected ion monitoring
SOP	Standard Operating Procedure
SPE	Solid-Phase Extraction
SVOC	Semi-Volatile Organic Compound
TCLP	Toxicity Characteristic Leaching Procedure
TIC	Tentatively Identified Compound
TKN	Total Kjeldahl Nitrogen
TPH	Total Petroleum Hydrocarbon
TPU	Total Propagated Uncertainty
USEPA	U.S. Environmental Protection Agency
VOC	Volatile Organic Compound
WP	Work Plan

6. Qualifiers

The qualifiers below are from the USEPA NFG 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. The reported sample quantitation limit is approximate.

  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, 2014. Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15, SOP NO. HW-31, Revision 6. June.
2. United States Environmental Protection Agency, 2020. National Functional Guidelines for Organic Superfund Methods Data Review. EPA-540-R-20-005. November.

Data Usability Summary Report

Project Name: Astoria Cove Buildings 3A & 3B

Description: Soil Samples

Sample Date(s): February 3 through 16 and March 16, 2026

Analytical Laboratory: Pace Analytical Services – Westborough, MA

Validation Performed by: Kristina Ilina

Validation Reviewed by: Katherine Miller

Validation Date: March 27, 2026

Table of Contents

1.	**Introduction**	**3**
2.	**Sample Delivery Group**	**4**
2.1	SAMPLE MANAGEMENT	4
2.2	CASE NARRATIVE	5
2.3	MULTIPLE SAMPLE RESULTS	5
2.4	HOLDING TIMES/PRESERVATION	6
2.5	REPORTING LIMITS AND SAMPLE DILUTIONS	7
2.6	REPORTING BASIS (WET/DRY)	7
2.7	SURROGATE RECOVERY COMPLIANCE	7
2.8	BLANK SAMPLE ANALYSIS	7
2.9	LABORATORY CONTROL SAMPLES	7
2.10	MATRIX SPIKE SAMPLES	8
2.11	DUPLICATE SAMPLE ANALYSIS	8
2.12	PRECISION AND ACCURACY	10
2.13	CONFIRMATION COLUMN REVIEW	10
2.14	PFAS SAMPLE PREPARATION	10
2.15	PFAS IDENTIFICATION	10
2.16	EXTRACTION INTERNAL STANDARDS	10
2.17	SYSTEM PERFORMANCE AND OVERALL ASSESSMENT	10
3.	**Explanations**	**11**
4.	**Glossary**	**14**
5.	**Abbreviations**	**15**
6.	**Qualifiers**	**16**
References		**17**

1. Introduction

H & A of New York Engineering and Geology, LLP prepared this Usability Summary Report (DUSR) to summarize the review and validation of the analytical results for the Sample Delivery Groups (SDGs) listed.

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.
- NFG for Inorganic Data Review.
- Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.4, Table B-24.
- DoD Data Validation Guidelines Module 3: Data Validation Procedure for PFAS by QSM Table B 15.
- 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.
- NYSDEC DER-10: Technical Guidance for Site Investigation and Remediation.

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 (SOPs). The results presented in each laboratory report were found to be compliant with the data quality objectives (DQOs) for the project and are therefore usable; any exceptions are noted in the following pages and listed below.

2. Sample Delivery Group

2.1 SAMPLE MANAGEMENT

This DUSR summarizes the review of the following SDG numbers:

- L2605921, dated February 16, 2026;
- L2606227, dated February 11, 2026;
- L2606574, dated February 19, 2026;
- L2606929, dated February 13, 2026;
- L2607931, dated February 19, 2026;
- L2608265, dated February 20, 2026;
- L2608462, dated February 23, 2026;
- L2614269, dated March 26, 2026; and
- L2614270, dated March 26, 2026.

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

- Samples for EPA 1633, SW6010D, and SW6020B analysis were subcontracted to the Mansfield Facility.

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).
- L2605921-06: The collection date and time on the COC was 03-FEB-26 11:50; however, the collection date/time on the container label was 03-FEB-26 11:55. At the client's request, the collection date/time is reported as 03-FEB-26 11:55.
- L2605921-15: Sample containers for Herbicides were received, but not listed on the COC. At the client's request, the analysis was not performed.
- L2606227-17: Sample containers for Herbicides were received, but not listed on the COC. At the client's request, the analysis was not performed.
- L2606574-13 and -14: Samples identified as "TB-01_20260205" and "TB-02_20260205" were listed on the COC, but not received.
- L2606574-15: Sample containers for HERB 8151A analysis were received, but not listed on the COC. At the client's request, the analysis was not performed.
- L2606929-13: Sample containers for HERB 8151A analysis were received, but not listed on the COC. At the client's request, the analysis was not performed.

Analyses were performed on the samples listed in Table 1. Method holding times information is shown in Table 2.

2.2 CASE NARRATIVE

The laboratory report case narrative lists various additional quality control issues, such as internal standard exceedances and initial calibration verification (ICV) and/or continuing calibration verification (CCV) exceedances. Since these additional quality control issues were not required for the project's DQOs, these quality control issues were not reviewed.

2.3 MULTIPLE SAMPLE RESULTS

The laboratory reported multiple results for the samples listed below. The validator chose the results that best met the DQOs of the project.

Lab ID	Analysis Date/Time	Method	Analyte	Qualification
L2605921-05 L2605921-10 L2606574-06 L2606574-07	Various	SW8270E	Butyl benzylphthalate (BBP) Di-n-butylphthalate (DBP) Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Chrysene Fluoranthene Phenanthrene	The laboratory reanalyzed the sample due to concentration exceeding range of the calibration curve and/or linear range of the instrument and required dilution. The original results are marked non-reportable and the reanalysis results are accepted.
L2608462-14	2/19/2026 4:35 AM	SW8270E	All analytes	The surrogate recovery was outside the acceptance criteria for 2,4,6-tribromophenol (7%); however, re-extraction achieved similar results: 2-fluorophenol (22%) and 2,4,6-tribromophenol (4%). The original results are accepted and the reanalysis results are marked non-reportable.
L2608265-01 L2608462-01	2/16/2026 2/17/2026 2/17/2026	SW8260D	All analytes	The trip blank was reanalyzed due to detections. Reanalysis and did not confirm the original results. The original results are marked non-reportable and the reanalysis results are accepted.
L2605921-13 L2605921-14 L2608462-02	2/11/2026 2/17/2026	SW8260D	All analytes	The sample was analyzed both at low and high levels. Low level analysis results are accepted and high level results are marked non-reportable.

Lab ID	Analysis Date/Time	Method	Analyte	Qualification
L2605921-05 L2607931-04	2/6/2026 2/18/2026	SW8260D	All analytes	The sample was analyzed both at low and high levels. Low-level analysis results are accepted and high-level results are marked non-reportable.
L2607931-02	2/17/2026 3:51 PM	SW8260D	All analytes	The internal standard responses for fluorobenzene (44%), chlorobenzene-d5 (42%), and 1,4-dichlorobenzene-d4 (41%) were below the acceptance criteria; however, re-analysis achieved the following results: fluorobenzene (19%), chlorobenzene-d5 (19%), and 1,4-dichlorobenzene-d4 (17%). The original results are accepted and the reanalysis results are marked non-reportable.
L2606574-09	2/10/2026 1:35 AM	SW8260D	All analytes	The internal standard responses for chlorobenzene-d5 (49%) and 1,4-dichlorobenzene-d4 (45%) were below the acceptance criteria; however, re-analysis achieved the following results: fluorobenzene (9%), chlorobenzene-d5 (8%), and 1,4-dichlorobenzene-d4 (7%). The original results are accepted and the reanalysis results are marked non-reportable.
L2614270-11 L2614270-27	3/22/2026 3/18/2026	SW8260D	Tetrachloroethene	The laboratory reanalyzed the sample due to concentration exceeding range of the calibration curve and/or linear range of the instrument and required dilution. The original results are marked non-reportable and the reanalysis results are accepted.
L2614270-03 L2614270-04 L2614270-05	3/18/2026	SW8260D	All analytes	The sample was analyzed both at low and high levels. Low-level analysis results are accepted and high-level results are marked non-reportable.

2.4 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.

Method	Matrix	Holding Time	Preservation	Sample ID, Violation, Qualification
EPA 1633	Soil	28 days extraction (3 days for NFDHA) / 40 days analysis	Cool to ≤ 6 degrees Celsius (°C)	The following samples were extracted outside of holding time for NFDHA and qualified R: RI-SB-08_0-2; RI-SB-08_3-5; RI-SB-08_10-12; B-15_D_0-2; DUP-01_20250204; B-15_D_2-4; B-15_D_10-12; RI-SB-10_0-2; RI-SB-10_2-4; RI-SB-10_10-12; RI-SB-04_0-2; RI-SB-04_10-12; DUP-02_20260204; RI-SB-04_18-20; RI-SB-07_0-2; RI-SB-07_10-12; RI-SB-09_0-2; RI-SB-09_10-12; RI-SB-20_0-2; DUP-03_20260205; RI-SB-20_8-10; RI-SB-20_11-13; RI-SB-11_0-2; RI-SB-11_8-10; RI-SB-11_11-13; RI-SB-19_0-2; RI-SB-19_7-9; RI-SB-19_10-12; RI-SB-05_0-2; DUP-04_20260206; RI-SB-05_7-9; RI-SB-05_13-15; RI-SB-02_0-2; RI-SB-02_7-9; RI-SB-02_13-15; RI-SB-13_0-2; RI-SB-13_10-12; RI-SB-13_20-22.

2.5 REPORTING LIMITS AND SAMPLE DILUTIONS

All sample dilutions were reviewed and found to be justified. Dilution of the project samples was required to bring calibration of target analytes within calibration range, matrix interference, foaming at the time of purging, or abundance of non-target analytes.

2.6 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.

2.7 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 limits, with the exceptions listed in Table 3.

2.8 BLANK SAMPLE ANALYSIS

Refer to Section E 1.3. Method blank samples had no detections, indicating that no contamination from laboratory activities occurred, with the exceptions listed in Table 4.

The analysis of the blank samples for field quality control had no detections, indicating that no contamination from field activities occurred, with the exceptions listed in Table 5.

2.9 LABORATORY CONTROL SAMPLES

Refer to Section E 1.4. Compounds associated with the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) analyses associated with client samples exhibited recoveries and relative percent differences (RPDs) within the specified limits, with the exceptions listed in Table 6.

2.10 MATRIX SPIKE SAMPLES

Refer to Section E 1.5. The following samples were used for matrix spike/matrix spike duplicate (MS/MSD):

Lab Sample Number	Matrix Spike/ Matrix Spike Duplicate Sample Client ID	Method(s)
L2605921-02	RI-SB-01_2-4	SW7196A
L2605921-11	RI-SB-16_3-5	SW8081B, SW8082A, SW9012B, EPA 1633A, SW6010D, SW7471B, SW8270E, SW8260D, SW7196A
L2605921-12	RI-SB-16_10-12	SW9012B
L2605921-15	FB-01-20260203	SW7196A, SW9012B
L2606227-01	RI-SB-08_0-2	SW9012B
L2606227-02	RI-SB-08_3-5	SW8082A, SW8270E, SW8081B, SW6010D, SW7471B, SW8260D, E1633A, SW7196A, SW9012B
L2606227-17	FB-02_20260204*	SW7196A, SW9012B
L2606574-10	RI-SB-11_0-2	SW8270E, SW8082A, SW9012B, EPA 1633A, SW6010D, SW7471B, SW8081B, SW7196A, SW8260D
L2606574-11	RI-SB-11_8-10	SW9012B
L2606574-12	RI-SB-11_11-13	SW7196A
L2606574-15	FB-03_20260205*	SW7196A
L2606929-01	B-21_D_0-2	SW6010D, SW6010DR
L2606929-02	RI-SB-19_0-2	SW8082A, SW8270E, SW6010D, SW7471B, SW8081B, EPA 1633A, SW8260D, SW9012B, SW7196A
L2606929-03	RI-SB-19_7-9	SW9012B
L2606929-13	FB-04_20260206*	SW7196A
L2607931-02	RI-SB-13_0-2	SW7196A
L2608265-02	RI-SB-07_20-22	SW6010D, SW7471B, SW7196A
L2608462-03	RI-SB-17_0-2	SW9012B
L2608462-04	RI-SB-17_10-12	SW9012B
L2608462-05	RI-SB-17_20-22	SW7196A
L2614269-03	RI-SB-09_22-24	SW9012B
L2614269-16	FB-01_20260316*	SW7196A
L2614270-16	B-23_0-2_RS	SW8260D
L2614270-26	DB-02_0-2	SW8260D

** Field quality control samples should not be used for laboratory quality control.*

The MS/MSD recoveries and the RPD between the MS and MSD results were within the specified limits, with the exceptions listed below and Table 7.

2.11 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). Any exceptions are noted below and qualified.

Lab Sample Number	Laboratory Duplicate Sample Client ID	Method(s)
L2605921-02	RI-SB-01_2-4	SW7196A
L2605921-11	RI-SB-16_3-5	SW7196A
L2605921-15	FB-01-20260203	SW7196A
L2606227-02	RI-SB-08_3-5	SW7196A
L2606227-17	FB-02_20260204	SW7196A
L2606574-10	RI-SB-11_0-2	SW7196A
L2606574-12	RI-SB-11_11-13	SW7196A
L2606574-15	FB-03_20260205	SW7196A
L2606929-02	RI-SB-19_0-2	SW7196A
L2606929-13	FB-04_20260206	SW7196A
L2607931-02	RI-SB-13_0-2	SW7196A
L2608265-02	RI-SB-07_20-22	SW6010D, SW7471B, SW7196A
L2608462-05	RI-SB-17_20-22	SW7196A

Lab Sample Number	Laboratory Duplicate Sample Client ID	Analyte	% RPD	Qualification
L2608265-02	RI-SB-07_20-22	Calcium, Total	28	J/UJ, RPD > 20%
		Cobalt, Total	51	
		Magnesium, Total	30	
		Manganese, Total	28	
		Nickel, Total	32	
		Potassium, Total	60	

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) with the exceptions listed in Table 8.

Primary Sample ID	Duplicate Sample ID	Method(s)
B-15_D_0-2	DUP-01_20250204	EPA 1633A, SM 2540G, EPA 6010D, EPA 6010DR, EPA 7196A, EPA 7471B, EPA 8081B, EPA 8082A, EPA 8260D, EPA 8270E, EPA 9012B
RI-SB-04_10-12	DUP-02_20260204	EPA 1633A, SM 2540G, EPA 6010D, EPA 7196A, EPA 7471B, EPA 8081B, EPA 8082A, EPA 8260D, EPA 8270E, EPA 9012B
RI-SB-05_0-2	DUP-04_20260206	EPA 1633A, SM 2540G, EPA 6010D, EPA 7196A, EPA 7471B, EPA 8081B, EPA 8082A, EPA 8260D, EPA 8270E, EPA 9012B
RI-SB-20_0-2	DUP-03_20260205	EPA 1633A, SM 2540G, EPA 6010D, EPA 7196A, EPA 7471B, EPA 8081B, EPA 8082A, EPA 8260D, EPA 8270E, EPA 9012B
RI-SB-13_22-24	DUP-01_20260316	E1633A, EPA 6010D, EPA 7196A, EPA 7471B, EPA 8081B, EPA 8082A, EPA 8260D, EPA 8270E, EPA 9012B
SB-103_0-2_RS	DUP-02_20260316	EPA 8260D
B-23_7-9_RS	DUP-03_20260316	EPA 8260D

2.12 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.

2.13 CONFIRMATION COLUMN REVIEW

Refer to Section E 1.8. All RPDs were within control limits with the exceptions listed in Table 9.

2.14 PFAS SAMPLE PREPARATION

Refer to Section E 1.14. The laboratory's SOP was reviewed, the entire sample plus sample bottle rinsate was extracted. No data qualification required.

2.15 PFAS IDENTIFICATION

Refer to Section E 1.15. Ion ratios were reviewed and were within the laboratory specified limits. However, the lab qualified the following samples with an "F" flag:

Sample ID	Analyte	Qualifier	Affected Samples
RI-SB-10_0-2	Perfluorooctanesulfonic acid (PFOS)	J	L2606227-08
RI-SB-20_8-10	Perfluorodecanoic acid (PFDA)	J	L2606574-08
RI-SB-11_0-2	Perfluorohexanesulfonic acid (PFHxS)	J	L2606574-10
RI-SB-13_10-12	Perfluorononanoic acid (PFNA)	J	L2607931-03

2.16 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 exceptions listed in Table 10.

Extraction Internal Standards Recoveries were out of limits for MBs, LCS, MS and MSD, but did not affect the data.

2.17 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, except for rejected data noted in Table 11. A summary of qualifiers applied to this dataset is shown in Table 11.

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 be 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 determining the efficiency of the extraction procedure by evaluating the percent recovery (%R) of the compounds.
- E 1.3 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 1.4 Laboratory Control Samples
  - The LCS/LCSD analyses are used to assess the precision and accuracy of the analytical method independent of matrix interferences.
- E 1.5 Matrix Spike Samples
  - 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 1.6 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 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 %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 pesticides and polychlorinated biphenyls (PCBs), 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 RPD should not exceed 40 percent.
- 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. For method EPA 1633, Module 6 provides guidance for extreme

recoveries. Professional judgement is used to qualify based on recovery below the method limit but above 10% and above the method limit but below 200%. Below the method limit will result in estimating the detection or non-detection; above the method limit will result in estimating the detection.

4. Glossary

*Analyte names may be abbreviated for simplicity. Please reference the laboratory report for the full analyte name.
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:
  - ng/kg nanograms per kilogram
  - µg/L micrograms per liter
  - µg/m3 micrograms per cubic meter
  - mg/kg milligrams per kilogram
  - mg/L milligrams per liter
  - ppbv/v parts per billion volume/volume
  - pCi/L picocuries per liter
  - pg/g picograms per gram
  - pg/L picograms per liter
- Matrices:
  - AA Ambient Air
  - GS Soil Gas
  - GW/WG Groundwater
  - IA Indoor Air
  - SE Sediment
  - SO Soil
  - SSV Sub-slab Vapor
  - ST Solid Waste
  - WQ Water Quality control matrix
  - WS Surface Water
  - WW Waste Water
- Table Footnotes:
  - NA Not applicable
  - ND Non-detect
  - NR Not reported
- Common Symbols:
  - % percent
  - < less than
  - ≤ less than or equal to
  - > greater than
  - ≥ greater than or equal to
  - = equal
  - °C degrees Celsius
  - ± plus or minus
  - ~ approximately
  - x times (multiplier)
- Fractions:
  - N Normal (method cannot be filtered)
  - D Dissolved (filtered)
  - T Total (unfiltered)

5. Abbreviations

%D	Percent Difference
%R	Percent Recovery
%RSD	Percent Relative Standard Deviation
%v/v	Percent volume by volume
2s	2 sigma
4,4-DDT	4 4-dichlorodiphenyltrichloroethane
Abs Diff	Absolute Difference
amu	atomic mass unit
BPJ	Best Professional Judgement
BS	Blank Spike
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CCVL	Continuing Calibration Verification Low
COC	Chain of Custody
COM	Combined Isotope Calculation
Cr (VI)	Hexavalent Chromium
CRI	Collision Reaction Interface
DoD	Department of Defense
DQO	data quality objective
DUSR	Data Usability Summary Report
EIS	Extraction Internal Standard
EMPC	Estimated Maximum Possible Concentration
FBK	Field Blank Contamination
FDP	Field Duplicate
GC	Gas Chromatograph
GC/MS	Gas Chromatography/Mass Spectrometry
GPC	Gel Permeation Chromatography
H_2	Hydrogen gas
HCl	Hydrochloric Acid
ICAL	Initial Calibration
ICB	Initial Calibration Blank
ICP/MS	Inductively Coupled Plasma/Mass Spectrometry
ICV	Initial Calibration Verification
ICVL	Initial Calibration Verification Low
IPA	Isopropyl Alcohol
LC	Laboratory Control
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate
MBK	Method Blank Contamination
MDC	Minimum Detectable Concentration
MDL	Laboratory Method Detection Limit
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NA	not applicable
ND	Non-Detect
NFG	National Functional Guidelines
NH_3	Ammonia
NYSDEC	New York State Department of Environmental Conservation
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
PDS	Post-Digestion Spike
PEM	Performance Evaluation Mixture
PFAS	Per- and Polyfluoroalkyl Substances
PFBA	Perfluorobutanoic Acid
PFD	Perfluorodecalin
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctane sulfonate
PFPeA	Perfluoropentanoic Acid
QAPP	Quality Assurance Project Plan
QC	Quality Control
QSM	Quality Systems Manual
R^2	R-squared value
Ra-226	Radium-226
Ra-228	Radium-228
RESC	Resolution Check Measure
RL	Laboratory Reporting Limit
RPD	Relative Percent Difference
RRF	Relative Response Factor
RT	Retention Time
SAP	Sampling Analysis Plan
SDG	Sample Delivery Group
SIM	Selected ion monitoring
SOP	Standard Operating Procedure
SPE	Solid-Phase Extraction
SVOC	Semi-Volatile Organic Compound
TCLP	Toxicity Characteristic Leaching Procedure
TIC	Tentatively Identified Compound
TKN	Total Kjeldahl Nitrogen
TPH	Total Petroleum Hydrocarbon
TPU	Total Propagated Uncertainty
USEPA	U.S. Environmental Protection Agency
VOC	Volatile Organic Compound
WP	Work Plan

6. Qualifiers

The qualifiers below are from the USEPA NFG 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. The reported sample quantitation limit is approximate.

  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), 2010. Division of Environmental Remediation DER-10 Technical Guidance for Site Investigation and Remediation, Appendix 2B, Guidance for Data Deliverables and the Development of Data Usability Summary Reports.

2. New York State Department of Environmental Conservation (NYSDEC), 2023. Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances Under NYSDEC's Part 375 Remedial Programs. April.

3. United Stated Department of Defense, 2021. Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.4, Table B-24: Per- and Polyfluoroalkyl Substances (PFAS) Analysis by LC/MS/MS (EPA Draft Method 1633).

4. United States Department of Defense and Environmental Data Quality Workgroup, 2022. Data Validation Guidelines Module 6: Data Validation Procedure for Per- and Polyfluoroalkyl Substances Analysis by QSM Table B-24. October.

5. United States Environmental Protection Agency, 2020a. National Functional Guidelines for Inorganic Superfund Methods Data Review. EPA-542-R-20-006. November.

6. United States Environmental Protection Agency, 2020b. National Functional Guidelines for Organic Superfund Methods Data Review. EPA-540-R-20-005. November.

Attachments:

Table 1 – Sample Management
Table 2 – Method Holding Times
Table 3 – Surrogate Exceedances
Table 4 – Method Blank Detections
Table 5 – Field Blank Detections
Table 6 – LCS/LCSD
Table 7 – MS/MSD
Table 8 – Lab Duplicates RPD Exceedances
Table 9 – Confirmation Column Review
Table 10 – Extraction Internal Standards
Table 11 – System Performance Summary

TABLES

TABLE 1
SAMPLE MANAGEMENT
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Sample ID	Sample Type	Lab ID	Sample Date	Matrix	Method(s)
RI-SB-01_0-2	N	L2605921-01	02/03/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-01_2-4	N	L2605921-02	02/03/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-01_10-12	N	L2605921-03	02/03/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-12_0-2	N	L2605921-04	02/03/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-12_3-5	N	L2605921-05	02/03/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-12_10-12	N	L2605921-06	02/03/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-03_0-2	N	L2605921-07	02/03/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-03_3-5	N	L2605921-08	02/03/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-03_10-12	N	L2605921-09	02/03/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-16_0-2	N	L2605921-10	02/03/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-16_3-5	N	L2605921-11	02/03/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-16_10-12	N	L2605921-12	02/03/2026	SO	A, B, C, F, H, I, J, K, L, N
TB-01-20260203	TB	L2605921-13	02/03/2026	SQ	K
TB-02-20260203	TB	L2605921-14	02/03/2026	SQ	K
FB-01-20260203	FB	L2605921-15	02/03/2026	WQ	A, E, F, G, I, J, K, L, M, N
RI-SB-08_0-2	N	L2606227-01	02/04/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-08_3-5	N	L2606227-02	02/04/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-08_10-12	N	L2606227-03	02/04/2026	SO	A, B, C, F, H, I, J, K, L, N
B-15_D_0-2	N	L2606227-04	02/04/2026	SO	A, B, C, D, F, H, I, J, K, L, N
DUP-01_20250204	FD	L2606227-05	02/04/2026	SO	A, B, C, D, F, H, I, J, K, L, N
B-15_D_2-4	N	L2606227-06	02/04/2026	SO	A, B, C, F, H, I, J, K, L, N
B-15_D_10-12	N	L2606227-07	02/04/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-10_0-2	N	L2606227-08	02/04/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-10_2-4	N	L2606227-09	02/04/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-10_10-12	N	L2606227-10	02/04/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-04_0-2	N	L2606227-11	02/04/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-04_10-12	N	L2606227-12	02/04/2026	SO	A, B, C, F, H, I, J, K, L, N
DUP-02_20260204	FD	L2606227-13	02/04/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-04_18-20	N	L2606227-14	02/04/2026	SO	A, B, C, F, H, I, J, K, L, N
TB-01_20260204	TB	L2606227-15	02/04/2026	SQ	K
TB-02_20260204	TB	L2606227-16	02/04/2026	SQ	K
FB-02_20260204	FB	L2606227-17	02/04/2026	WQ	A, C, F, G, I, J, K, L, M, N
RI-SB-07_0-2	N	L2606574-01	02/05/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-07_10-12	N	L2606574-02	02/05/2026	SO	A, B, C, F, H, I, J, K, L, N
SB-106_D_3-5_US	N	L2606574-03	02/05/2026	SO	B, C, D
RI-SB-09_0-2	N	L2606574-04	02/05/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-09_10-12	N	L2606574-05	02/05/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-20_0-2	N	L2606574-06	02/05/2026	SO	A, B, C, F, H, I, J, K, L, N
DUP-03_20260205	FD	L2606574-07	02/05/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-20_8-10	N	L2606574-08	02/05/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-20_11-13	N	L2606574-09	02/05/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-11_0-2	N	L2606574-10	02/05/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-11_8-10	N	L2606574-11	02/05/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-11_11-13	N	L2606574-12	02/05/2026	SO	A, B, C, F, H, I, J, K, L, N
FB-03_20260205	FB	L2606574-15	02/05/2026	WQ	A, C, F, G, I, J, K, L, M, N
B-21_D_0-2	N	L2606929-01	02/06/2026	SO	B, C, D
RI-SB-19_0-2	N	L2606929-02	02/06/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-19_7-9	N	L2606929-03	02/06/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-19_10-12	N	L2606929-04	02/06/2026	SO	A, B, C, F, H, I, J, K, L, N

TABLE 1
SAMPLE MANAGEMENT
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Sample ID	Sample Type	Lab ID	Sample Date	Matrix	Method(s)
RI-SB-05_0-2	N	L2606929-05	02/06/2026	SO	A, B, C, F, H, I, J, K, L, N
DUP-04_20260206	FD	L2606929-06	02/06/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-05_7-9	N	L2606929-07	02/06/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-05_13-15	N	L2606929-08	02/06/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-02_0-2	N	L2606929-09	02/06/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-02_7-9	N	L2606929-10	02/06/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-02_13-15	N	L2606929-11	02/06/2026	SO	A, B, C, F, H, I, J, K, L, N
TB-01_20260206	TB	L2606929-12	02/06/2026	SQ	K
FB-04_20260206	FB	L2606929-13	02/06/2026	WQ	A, C, F, G, I, J, K, L, M, N
TB-01_20260212	TB	L2607931-01	02/12/2026	SQ	K
RI-SB-13_0-2	N	L2607931-02	02/12/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-13_10-12	N	L2607931-03	02/12/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-13_20-22	N	L2607931-04	02/12/2026	SO	A, B, C, F, H, I, J, K, L, N
TB-01_20260213	TB	L2608265-01	02/13/2026	SQ	K
RI-SB-07_20-22	N	L2608265-02	02/13/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-07_23-25	N	L2608265-03	02/13/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-09_20-22	N	L2608265-04	02/13/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-06_0-2	N	L2608265-05	02/13/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-06_10-12	N	L2608265-06	02/13/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-06_20-22	N	L2608265-07	02/13/2026	SO	A, B, C, F, H, I, J, K, L, N
TB-01_20260216	TB	L2608462-01	02/16/2026	SQ	K
TB-02_20260216	TB	L2608462-02	02/16/2026	SQ	K
RI-SB-17_0-2	N	L2608462-03	02/16/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-17_10-12	N	L2608462-04	02/16/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-17_20-22	N	L2608462-05	02/16/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-18_0-2	N	L2608462-06	02/16/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-18_14-16	N	L2608462-07	02/16/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-18_20-22	N	L2608462-08	02/16/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-14_0-2	N	L2608462-09	02/16/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-14_10-12	N	L2608462-10	02/16/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-14_20-22	N	L2608462-11	02/16/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-15_0-2	N	L2608462-12	02/16/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-15_10-12	N	L2608462-13	02/16/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-15_20-22	N	L2608462-14	02/16/2026	SO	A, B, C, F, H, I, J, K, L, N
TB-01_20260316	TB	L2614269-01	03/16/2026	SQ	K
TB-02_20260316	TB	L2614269-02	03/16/2026	SQ	K
RI-SB-09_22-24	N	L2614269-03	03/16/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-17_22-24	N	L2614269-05	03/16/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-14_22-24	N	L2614269-07	03/16/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-07_25-27	N	L2614269-09	03/16/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-07_27-29	N	L2614269-10	03/16/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-13_22-24	N	L2614269-11	03/16/2026	SO	A, B, C, F, H, I, J, K, L, N
DUP-01_20260316	FD	L2614269-12	03/16/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-15_22-24	N	L2614269-14	03/16/2026	SO	A, B, C, F, H, I, J, K, L, N
RI-SB-15_24-26	N	L2614269-15	03/16/2026	SO	A, B, C, F, H, I, J, K, L, N
FB-01_20260316	FB	L2614269-16	03/16/2026	WQ	A, C, F, G, I, J, K, L, M, N
FB-02_20260316	FB	L2614270-01	03/16/2026	WQ	K
FB-03_20260316	FB	L2614270-02	03/16/2026	WQ	K
TB-03_20260316	TB	L2614270-03	03/16/2026	SQ	K

TABLE 1
SAMPLE MANAGEMENT
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Sample ID	Sample Type	Lab ID	Sample Date	Matrix	Method(s)
TB-04_20260316	TB	L2614270-04	03/16/2026	SQ	K
TB-05_20260316	TB	L2614270-05	03/16/2026	SQ	K
SB-103_0-2_RS	N	L2614270-06	03/16/2026	SO	B, K
DUP-02_20260316	FD	L2614270-07	03/16/2026	SO	B, K
SB-103_3-5_RS	N	L2614270-08	03/16/2026	SO	B, K
SB-103_7-9_RS	N	L2614270-09	03/16/2026	SO	B, K
DB-03A_0-2	N	L2614270-10	03/16/2026	SO	B, K
DB-03A_3-5	N	L2614270-11	03/16/2026	SO	B, K
DB-03A_7-9	N	L2614270-12	03/16/2026	SO	B, K
DB-03B_0-2	N	L2614270-13	03/16/2026	SO	B, K
DB-03B_3-5	N	L2614270-14	03/16/2026	SO	B, K
DB-03B_7-9	N	L2614270-15	03/16/2026	SO	B, K
B-23_0-2_RS	N	L2614270-16	03/16/2026	SO	B, K
B-23_3-5_RS	N	L2614270-17	03/16/2026	SO	B, K
B-23_7-9_RS	N	L2614270-18	03/16/2026	SO	B, K
DUP-03_20260316	FD	L2614270-19	03/16/2026	SO	B, K
DB-02_0-2	N	L2614270-26	03/16/2026	SO	B, K
DB-02_3-5	N	L2614270-27	03/16/2026	SO	B, K
DB-02_7-9	N	L2614270-28	03/16/2026	SO	B, K
DB-02A_0-2	N	L2614270-29	03/16/2026	SO	B, K
DB-02A_3-5	N	L2614270-30	03/16/2026	SO	B, K
DB-02A_7-9	N	L2614270-31	03/16/2026	SO	B, K

TABLE 2
METHOD HOLDING TIMES
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Letter Code	Analytic Method	Method Description	Holding Time
A	E1633	PFAS	28 days extraction (3 days for NFDHA) / 40 days analysis for solid, unpreserved 28 days extraction (7 days for NMeFOSE, NEtFOSE, NMeFOSAA and/or NEtFOSAA) / 28 days analysis for liquid, unpreserved
B	SM2540G	Total Solids	7 days
C	SW6010D	Metals (by Optical Emission Spectrometry)	180 days for liquid, preserved, 180 days for solid unpreserved
D	SW6010DR	Metals, TCLP	180 days for liquid, preserved, 180 days for solid unpreserved
E	SW6020B	Metals	180 days for liquid, preserved
F	SW7196A	Hexavalent Chromium [Colorometric]	28 days for liquid, preserved 24 hours for liquid unpreserved, 30 days extraction / 7 days analysis for solid, preserved 30 days extraction / 24 hours analysis for solid, unpreserved
G	SW7470A	Mercury (in Liquids)	28 days for liquid, preserved
H	SW7471B	Mercury (in Solids)	28 days for solid unpreserved
I	SW8081B	Organochlorine Pesticides	7 days extraction / 40 days analysis for liquid, unpreserved, 14 days extraction / 40 days analysis for solid, unpreserved
J	SW8082A	Polychlorinated Biphenyls (PCBs)	1 year extraction / 40 days analysis for liquid, unpreserved, 1 year extraction / 40 days analysis for solid, unpreserved
K	SW8260D	Volatile Organic Compounds (VOCs)	14 days for liquid, preserved 7 days for liquid unpreserved, 14 days for solid, preserved 14 days for solid unpreserved
L	SW8270E	Semivolatile Organic Compounds (SVOCs)	7 days extraction / 40 days analysis for liquid, unpreserved, 14 days extraction / 40 days analysis for solid, unpreserved
M	SW8270ESIM	Semivolatile Organic Compounds (SVOCs)	7 days extraction / 40 days analysis for liquid, unpreserved
N	SW9012B	Cyanide, Total	14 days for liquid unpreserved, 14 days for solid unpreserved

TABLE 3
SURROGATES EXCEEDANCES
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG #	Method	Sample ID	Lab ID	Surrogate	Dilution	%R	Qualification
L2606574	SW8270E	RI-SB-07_10-12	L2606574-02	2-Fluorobiphenyl	10	28%	None, dilution > 5x
L2606574	SW8270E	RI-SB-11_11-13	L2606574-12	2-Fluorophenol	1	13%	J-/UJ target compounds****
L2606929	SW8270E	RI-SB-02_7-9	L2606929-10	2,4,6-Tribromophenol	20	0%	None, dilution > 5x
L2606929	SW8270E	RI-SB-02_7-9	L2606929-10	2-Fluorobiphenyl	20	0%	None, dilution > 5x
L2606929	SW8270E	RI-SB-02_7-9	L2606929-10	2-Fluorophenol	20	0%	None, dilution > 5x
L2606929	SW8270E	RI-SB-02_7-9	L2606929-10	Nitrobenzene-D5	20	0%	None, dilution > 5x
L2606929	SW8270E	RI-SB-02_7-9	L2606929-10	Phenol-d6	20	0%	None, dilution > 5x
L2606929	SW8270E	RI-SB-02_7-9	L2606929-10	p-Terphenyl-d14	20	0%	None, dilution > 5x
L2607931	SW8270E	RI-SB-13_0-2	L2607931-02	2-Fluorobiphenyl	1	27%	J-/UJ target compounds***
L2607931	SW8270E	RI-SB-13_10-12	L2607931-03	Nitrobenzene-D5	1	18%	J-/UJ target compounds*****
L2607931	SW8270E	RI-SB-13_20-22	L2607931-04	Nitrobenzene-D5	1	19%	J-/UJ target compounds*****
L2608265	SW8270E	RI-SB-06_20-22	L2608265-07	2,4,6-Tribromophenol	1	155%	J+/None target compounds**
L2608265	SW8270E	RI-SB-06_20-22	L2608265-07	2-Fluorobiphenyl	1	155%	J+/None target compounds***
L2608265	SW8270E	RI-SB-06_20-22	L2608265-07	2-Fluorophenol	1	161%	J+/None target compounds****
L2608265	SW8270E	RI-SB-06_20-22	L2608265-07	Nitrobenzene-D5	1	159%	J+/None target compounds*****
L2608265	SW8270E	RI-SB-06_20-22	L2608265-07	Phenol-d6	1	152%	J+/None target compounds******
L2608265	SW8270E	RI-SB-06_20-22	L2608265-07	p-Terphenyl-d14	1	165%	J+/None target compounds*******
L2608462	SW8081B	RI-SB-15_20-22	L2608462-14	(PCB 209) Decachlorobiphenyl	1	16%	J-/UJ target compounds*
L2608462	SW8270E	RI-SB-15_20-22	L2608462-14	2,4,6-Tribromophenol	1	7%	J-/R target compounds**
L2608462	SW8270E	RI-SB-15_20-22	L2608462-14	2,4,6-Tribromophenol	1	4%	J-/R target compounds**
L2608462	SW8270E	RI-SB-15_20-22	L2608462-14	2-Fluorophenol	1	22%	J-/UJ target compounds****
L2614269	SW8270E	RI-SB-09_22-24	L2614269-03	2,4,6-Tribromophenol	1	141%	J+/None target compounds**
L2614269	SW8270E	RI-SB-09_22-24	L2614269-03	2-Fluorobiphenyl	1	123%	J+/None target compounds***
L2614269	SW8270E	RI-SB-09_22-24	L2614269-03	Nitrobenzene-D5	1	132%	J+/None target compounds*****
L2614269	SW8270E	RI-SB-07_27-29	L2614269-10	2,4,6-Tribromophenol	1	137%	J+/None target compounds**
L2614269	SW8270E	RI-SB-07_27-29	L2614269-10	Nitrobenzene-D5	1	129%	J+/None target compounds*****
L2614269	SW8270E	RI-SB-13_22-24	L2614269-11	2,4,6-Tribromophenol	1	174%	J+/None target compounds**
L2614269	SW8270E	RI-SB-13_22-24	L2614269-11	2-Fluorobiphenyl	1	135%	J+/None target compounds***
L2614269	SW8270E	RI-SB-13_22-24	L2614269-11	2-Fluorophenol	1	128%	J+/None target compounds***
L2614269	SW8270E	RI-SB-13_22-24	L2614269-11	Nitrobenzene-D5	1	156%	J+/None target compounds*****
L2614269	SW8270E	RI-SB-13_22-24	L2614269-11	Phenol-d6	1	134%	J+/None target compounds******
L2614269	SW8270E	RI-SB-13_22-24	L2614269-11	p-Terphenyl-d14	1	123%	J+/None target compounds*******

**Compounds targeted by (PCB 209) Decachlorobiphenyl No target compounds not analyzed.*

***Compounds targeted by 2,4,6-Tribromophenol: 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, 4-Nitrophenol, Pentachlorophenol*

****Compounds targeted by 2-Fluorobiphenyl: 1,2,4,5-Tetrachlorobenzene, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Methylnaphthalene, 2-Nitroaniline, 3,3'-Dichlorobenzidine, 3-Nitroaniline, 4-Bromophenyl phenyl ether (BDE-3), 4-Chlorophenyl phenyl ether, 4-Nitroaniline, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Biphenyl, bis(2-Ethylhexyl)phthalate, Butyl benzylphthalate (BBP), Carbazole, Chrysene, Dibenz(a,h)anthracene, Dibenzofuran, Diethyl phthalate, Dimethyl phthalate, Di-n-butylphthalate (DBP), Di-n-octyl phthalate (DnOP), Fluoranthene, Fluorene, Hexachlorobenzene, Hexachlorocyclopentadiene, Indeno(1,2,3-cd)pyrene, N-Nitrosodiphenylamine, Pyrene*

*****Compounds targeted by 2-Fluorophenol: 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2-Chlorophenol, 2-Methylphenol (o-Cresol), 2-Nitrophenol, 3&4-Methylphenol, 4-Chloro-3-methylphenol, Benzoic acid, Phenol*

******Compounds targeted by Nitrobenzene-D5: 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 4-Chloroaniline, Acetophenone, Benzyl Alcohol, bis(2-Chloroethoxy)methane, bis(2-Chloroethyl)ether, Hexachlorobutadiene, Hexachloroethane, Naphthalene, N-Nitrosodi-n-propylamine*

*******Compounds targeted by Phenol-d6: None, samples are ND*

********Compounds targeted by p-Terphenyl-d14: None, samples are ND*

TABLE 4
METHOD BLANK DETECTIONS
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG #	Method	Batch ID	Analyte Detected in Blank	Concentration	Unit	Qualifier	Affected Samples
L2605921	SW6020B	WG2172027	Aluminum, Total	0.00369 J	mg/L	NA	None, samples are ND
L2605921	SW6010D	WG2172328	Copper, Total	0.13 J	mg/kg	NA	None, samples are >10x Blank
L2605921	E1633A	WG2172453	Perfluorohexanesulfonic acid (PFHxS)	0.05 J	ng/g	RL U	RI-SB-12_10-12, RI-SB-03_3-5, RI-SB-16_3-5
L2605921	E1633A	WG2172911	Perfluorohexanesulfonic acid (PFHxS)	0.05 J	ng/g	NA	None, samples are ND
L2605921	E1633A	WG2172911	Perfluorooctanoic acid (PFOA)	0.044 J	ng/g	RL U	RI-SB-16_10-12
L2606574	SW6010D	WG2172952	Selenium, Total	0.143 J	mg/kg	RL U	RI-SB-04_10-12, DUP-02_20260204, RI-SB-07_10-12
L2605921	SW8260D	WG2173003	Chloroform (Trichloromethane)	0.2 J	ug/kg	NA	None, samples are ND
L2606227	SW8270E	WG2173097	Benzoic acid	320 J	ug/kg	NA	None, samples are ND
L2606227	SW8260D	WG2173103	Bromomethane (Methyl Bromide)	0.9 J	ug/kg	NA	None, samples are ND
L2606227	E1633A	WG2173615	N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	0.72 J	ng/L	NA	None, samples are ND
L2606227, L2606574	SW9012B	WG2173677	Cyanide	0.002 J	mg/L	NA	None, samples are ND
L2606929	SW8270E	WG2173709	Benzoic acid	180 J	ug/kg	NA	None, samples are ND
L2606574	SW8260D	WG2174055	Chloroform (Trichloromethane)	0.94 J	ug/kg	RL U	RI-SB-11_11-13, RI-SB-20_8-10
L2606574; L2606929	SW8260D	WG2174181	Acetone	5 J	ug/kg	RL U Result U	DUP-04_20260206, RI-SB-05_0-2 RI-SB-02_7-9
L2606574; L2606929	SW8260D	WG2174181	Chloroform (Trichloromethane)	0.83 J	ug/kg	NA	None, samples are ND
L2606574; L2606929	SW8260D	WG2174193	Bromomethane (Methyl Bromide)	0.66 J	ug/kg	Result U	RI-SB-20_11-13
L2606574; L2606929	SW8260D	WG2174193	Chloroform (Trichloromethane)	0.52 J	ug/kg	NA	None, samples are ND
L2605921	SW8260D	WG2174655	Chloroform (Trichloromethane)	43 J	ug/kg	RL U	TB-02-20260203, TB-01-20260203
L2608462	SW8260D	WG2176871	Bromomethane (Methyl Bromide)	0.8 J	ug/kg	NA	None, samples are ND
L2608462	SW8260D	WG2176871	Chloroform (Trichloromethane)	1.8	ug/kg	NA	None, samples are ND
L2607931	SW8260D	WG2176957	Chloroform (Trichloromethane)	2.6	ug/kg	RL U	RI-SB-13_10-12
L2607931	SW8260D	WG2176957	Naphthalene	3.8 J	ug/kg	Result U	RI-SB-13_10-12, RI-SB-13_0-2
L2608462	SW8260D	WG2177348	Chloroform (Trichloromethane)	0.84 J	ug/kg	RL U	RI-SB-15_20-22, RI-SB-14_20-22, RI-SB-15_0-2
L2607931	SW8260D	WG2177400	Chloroform (Trichloromethane)	30 J	ug/kg	NA	None, samples are ND
L2607931	SW8260D	WG2177400	Naphthalene	71 J	ug/kg	RL U	RI-SB-13_20-22
L2608265	SW8260D	WG2177683	Chloroform (Trichloromethane)	1.2 J	ug/kg	NA	None, samples are ND
L2608462	SW8260D	WG2177684	Chloroform (Trichloromethane)	58 J	ug/kg	RL U	RI-SB-18_14-16
L2608462	SW8260D	WG2177766	Chloroform (Trichloromethane)	0.65 J	ug/kg	RL U	TB-01_20260216
L2614269	SW6010D	WG2185921	Aluminum	1.33 J	mg/kg	NA	None, samples are >10x Blank
L2614269	SW8260D	WG2186404	Chloroform (Trichloromethane)	0.29 J	ug/kg	RL U	RI-SB-17_22-24

TABLE 5
FIELD BLANK DETECTIONS
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Blank Type	Sample ID	Date of Blank	Method	Analyte Detected in Blank	Concentration	Unit	Qualifier	Affected Samples
TB	TB-01-20260203	2/3/2026	SW8260D	Chloroform (Trichloromethane)	17 J	ug/kg	NA	Qualified ND based on method blank detection
TB	TB-02-20260203	2/3/2026	SW8260D	Chloroform (Trichloromethane)	22 J	ug/kg	NA	Qualified ND based on method blank detection
FB	FB-01-20260203	2/3/2026	SW6020B	Calcium	0.0703 J	mg/L	NA	None, samples are >10x Blank
FB	FB-01-20260203	2/3/2026	SW6020B	Sodium	0.0695 J	mg/L	NA	None, samples are >10x Blank
FB	FB-02_20260204	2/4/2026	SW6010D	Iron	0.0122 J	mg/L	NA	None, samples are >10x Blank
FB	FB-04_20260206	2/6/2026	SW6010D	Sodium	0.143 J	mg/L	NA	None, samples are >10x Blank
TB	TB-01_20260213	2/13/2026	SW8260D	2-Butanone (Methyl Ethyl Ketone)	7.2 J	ug/kg	RL U	RI-SB-09_20-22
TB	TB-01_20260213	2/13/2026	SW8260D	Acetone	49	ug/kg	Result U RL U	RI-SB-09_20-22, RI-SB-06_10-12 RI-SB-06_20-22, RI-SB-06_0-2, RI-SB-07_23-25
TB	TB-01_20260213	2/13/2026	SW8260D	Chloroform (Trichloromethane)	0.3 J	ug/kg	RL U	RI-SB-07_23-25, RI-SB-07_20-22
TB	TB-01_20260213	2/13/2026	SW8260D	Chloroform (Trichloromethane)	9.2 J	ug/kg	NA	None, Trip Blank result was marked non-reportable
TB	TB-01_20260213	2/13/2026	SW8260D	Methyl Tert Butyl Ether (MTBE)	0.4 J	ug/kg	NA	None, samples are ND
TB	TB-01_20260213	2/13/2026	SW8260D	Naphthalene	77 J	ug/kg	RL U	RI-SB-09_20-22, RI-SB-06_10-12, RI-SB-06_0-2, RI-SB-07_20-22
TB	TB-01_20260216	2/16/2026	SW8260D	2-Butanone (Methyl Ethyl Ketone)	2.8 J	ug/kg	RL U	RI-SB-15_20-22, RI-SB-14_20-22, RI-SB-17_20-22, RI-SB-18_20-22, RI-SB-17_10-12
TB	TB-01_20260216	2/16/2026	SW8260D	Acetone	15	ug/kg	Result U RL U	RI-SB-14_10-12, RI-SB-18_20-22, RI-SB-17_10-12, RI-SB-17_0-2 RI-SB-15_10-12
TB	TB-01_20260216	2/16/2026	SW8260D	Chloroform (Trichloromethane)	35 J	ug/kg	NA	None, Trip Blank result was marked non-reportable
TB	TB-01_20260216	2/16/2026	SW8260D	Chloroform (Trichloromethane)	0.14 J	ug/kg	NA	Qualified ND based on method blank detection
TB	TB-01_20260216	2/16/2026	SW8260D	Chloroform (Trichloromethane)	0.21 J	ug/kg	RL U	RI-SB-14_10-12, RI-SB-17_20-22, RI-SB-18_20-22, RI-SB-17_0-2
TB	TB-02_20260216	2/16/2026	SW8260D	Chloroform (Trichloromethane)	0.24 J	ug/kg	RL U	RI-SB-14_10-12, RI-SB-17_20-22, RI-SB-18_20-22, RI-SB-17_0-2
TB	TB-02_20260216	2/16/2026	SW8260D	Chloroform (Trichloromethane)	38 J	ug/kg	NA	None, Trip Blank result was marked non-reportable
FB	FB-01_20260316	3/16/2026	SW8270ESIM	1,4-Dioxane	129 J	ng/L	NA	None, samples are ND
FB	FB-01_20260316	3/16/2026	SW6010D	Sodium	0.242 J	mg/L	NA	None, samples are >10x Blank
FB	FB-01_20260316	3/16/2026	SW8260D	Acetone	2.3 J	ug/L	RL U	RI-SB-13_22-24

TABLE 6
LCS/LCSD
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Sample Type	Method	Batch ID	Analyte	%R/RPD	Qualifier	Affected Samples
L2606929	LCS	E1633A	WG2173942	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	132%	J/UJ	RI-SB-07_0-2, RI-SB-07_10-12, RI-SB-09_0-2, RI-SB-09_10-12, RI-SB-20_0-2, DUP-03_20260205, RI-SB-20_8-10, RI-SB-20_11-13, RI-SB-11_0-2, RI-SB-11_8-10, RI-SB-19_0-2, RI-SB-19_7-9, RI-SB-19_10-12, RI-SB-05_0-2, DUP-04_20260206, RI-SB-05_7-9, RI-SB-05_13-15, RI-SB-02_0-2, RI-SB-02_7-9, RI-SB-02_13-15
L2608265	LCS	E1633A	WG2177190	Perfluorohexanesulfonic acid (PFHxS)	155%	J/UJ	RI-SB-07_20-22, RI-SB-07_23-25, RI-SB-09_20-22, RI-SB-06_0-2, RI-SB-06_10-12, RI-SB-06_20-22
L2607931	LCS	SW7196A	WG2175482	Chromium VI (Hexavalent)	79%	NA	None, %Recovery within NFG limits
L2605921	LCS/LCSD	SW8081B	WG2172173	Heptachlor epoxide	RPD=31	J/None	None, samples are ND
L2605921	LCSD	SW8260D	WG2172711	Vinyl acetate	68%	J/UJ	RI-SB-16_10-12, RI-SB-16_3-5, TB-02-20260203, TB-01-20260203
L2606227	LCSD	SW8260D	WG2173103	2-Hexanone (Methyl Butyl Ketone)	66%	J/UJ	RI-SB-08_0-2, RI-SB-08_3-5, RI-SB-08_10-12, B-15_D_0-2, DUP-01_20250204, B-15_D_2-4, B-15_D_10-12, RI-SB-10_0-2, RI-SB-10_2-4, RI-SB-10_10-12, RI-SB-04_0-2, RI-SB-04_10-12, DUP-02_20260204, RI-SB-04_18-20, TB-01_20260204, TB-02_20260204
L2606227	LCSD	SW8260D	WG2173103	Vinyl acetate	52%, RPD=42	J/UJ	RI-SB-08_0-2, RI-SB-08_3-5, RI-SB-08_10-12, B-15_D_0-2, DUP-01_20250204, B-15_D_2-4, B-15_D_10-12, RI-SB-10_0-2, RI-SB-10_2-4, RI-SB-10_10-12, RI-SB-04_0-2, RI-SB-04_10-12, DUP-02_20260204, RI-SB-04_18-20, TB-01_20260204, TB-02_20260204
L2606574	LCS/LCSD	SW8260D	WG2173619	Naphthalene	66%/69%	J/UJ	FB-02_20260204, FB-03_20260205
L2606574	LCSD	SW8260D	WG2173619	trans-1,4-Dichloro-2-butene	64%	J/UJ	FB-02_20260204, FB-03_20260205
L2606929	LCS/LCSD	SW8260D	WG2173700	trans-1,4-Dichloro-2-butene	64%/67%	J/UJ	FB-04_20260206
L2606574; L2606929	LCS	SW8260D	WG2174181	2-Butanone (Methyl Ethyl Ketone)	68%	J/UJ	RI-SB-11_0-2, RI-SB-19_0-2, RI-SB-19_10-12, RI-SB-05_0-2, DUP-04_20260206, RI-SB-05_7-9, RI-SB-05_13-15, RI-SB-02_0-2, RI-SB-02_7-9, RI-SB-02_13-15, TB-01_20260206
L2606574; L2606929	LCS	SW8260D	WG2174181	Chloroethane	155%	J/None	None, samples are ND
L2606574; L2606929	LCS/LCSD	SW8260D	WG2174181	Chloromethane (Methyl Chloride)	180%/142%	J/None	None, samples are ND
L2606574; L2606929	LCS/LCSD	SW8260D	WG2174181	Dichlorodifluoromethane (CFC-12)	170%/160%	J/None	None, samples are ND
L2606574; L2606929	LCS/LCSD	SW8260D	WG2174181	Vinyl chloride	179%/155%	J/None	None, samples are ND
L2605921	LCS	SW8260D	WG2174655	1,2-Dibromo-3-chloropropane (DBCP)	65%	J/UJ	TB-01-20260203, TB-02-20260203
L2607931	LCS/LCSD	SW8260D	WG2176495	Vinyl acetate	RPD=33	J/None	None, samples are ND

TABLE 6
LCS/LCSD
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Sample Type	Method	Batch ID	Analyte	%R/RPD	Qualifier	Affected Samples
L2608265	LCS/LCSD	SW8260D	WG2176529	Vinyl acetate	47%/34%, RPD=32	J/UJ	TB-01_20260213, RI-SB-07_20-22
L2608265	LCS/LCSD	SW8260D	WG2176866	Vinyl chloride	135%/134%	J/None	None, samples are ND
L2608265	LCS/LCSD	SW8260D	WG2176951	Vinyl acetate	26%/20%	J/UJ	TB-01_20260213, RI-SB-09_20-22, RI-SB-07_23-25
L2606227	LCS/LCSD	SW8270E	WG2172404	1,2,4,5-Tetrachlorobenzene	RPD=31	J/None	None, samples are ND
L2606227	LCS/LCSD	SW8270E	WG2172404	1,2,4-Trichlorobenzene	RPD=39	J/None	None, samples are ND
L2606227	LCS/LCSD	SW8270E	WG2172404	1,2-Dichlorobenzene	RPD=38	J/None	None, samples are ND
L2606227	LCS/LCSD	SW8270E	WG2172404	1,3-Dichlorobenzene	RPD=41	J/None	None, samples are ND
L2606227	LCS/LCSD	SW8270E	WG2172404	1,4-Dichlorobenzene	RPD=40	J/None	None, samples are ND
L2606227	LCS/LCSD	SW8270E	WG2172404	2,4-Dichlorophenol	RPD=34	J/None	None, samples are ND
L2606227	LCS/LCSD	SW8270E	WG2172404	2-Chlorophenol	RPD=37	J/None	None, samples are ND
L2606227	LCS/LCSD	SW8270E	WG2172404	2-Methylphenol	RPD=35	J/None	None, samples are ND
L2606227	LCS/LCSD	SW8270E	WG2172404	2-Nitrophenol	RPD=36	J/None	None, samples are ND
L2606227	LCS/LCSD	SW8270E	WG2172404	3-Methylphenol/4-Methylphenol	RPD=32	J/None	None, samples are ND
L2606227	LCS/LCSD	SW8270E	WG2172404	4-Chloro-3-methylphenol	108%	J+/None	None, samples are ND
L2606227	LCS/LCSD	SW8270E	WG2172404	4-Nitrophenol	89%	J+/None	None, samples are ND
L2606227	LCS/LCSD	SW8270E	WG2172404	Acetophenone	RPD=34	J/None	None, samples are ND
L2606227	LCS/LCSD	SW8270E	WG2172404	Bis(2-chloroethyl)ether	RPD=38	J/None	None, samples are ND
L2606227	LCS/LCSD	SW8270E	WG2172404	Bis(2-chloroisopropyl)ether	RPD=36	J/None	None, samples are ND
L2606227	LCS/LCSD	SW8270E	WG2172404	Hexachlorobutadiene	RPD=31	J/None	None, samples are ND
L2606227	LCS/LCSD	SW8270E	WG2172404	Hexachlorocyclopentadiene	RPD=31	J/None	None, samples are ND
L2606227	LCS/LCSD	SW8270E	WG2172404	Hexachloroethane	RPD=41	J/None	None, samples are ND
L2606227	LCS/LCSD	SW8270E	WG2172404	Naphthalene	RPD=32	J/None	None, samples are ND
L2606227	LCS/LCSD	SW8270E	WG2172404	Nitrobenzene	RPD=35	J/None	None, samples are ND
L2606227	LCS/LCSD	SW8270E	WG2172404	n-Nitrosodi-n-propylamine	RPD=33	J/None	None, samples are ND
L2606227	LCS/LCSD	SW8270E	WG2172404	Pentachlorophenol	104%/123%	J+/None	None, samples are ND
L2606227	LCS/LCSD	SW8270E	WG2172404	Phenol	RPD=33	J/None	None, samples are ND
L2605921	LCS/LCSD	SW8270E	WG2172679	Benzoic acid	7%/8%	J-/R	RI-SB-01_0-2, RI-SB-01_2-4, RI-SB-01_10-12, RI-SB-12_0-2, RI-SB-12_10-12, RI-SB-03_0-2, RI-SB-03_3-5, RI-SB-03_10-12, RI-SB-16_0-2, RI-SB-16_10-12
L2606227	LCS/LCSD	SW8270E	WG2172747	3,3'-Dichlorobenzidine	37%/36%	J-/R	RI-SB-08_0-2, RI-SB-08_3-5, RI-SB-08_10-12, B-15_D_0-2, DUP-01_20250204, B-15_D_2-4, B-15_D_10-12, RI-SB-10_0-2, RI-SB-10_2-4, RI-SB-10_10-12, RI-SB-04_0-2, RI-SB-04_10-12, DUP-02_20260204, RI-SB-04_18-20
L2606227	LCS/LCSD	SW8270E	WG2172747	4-Chloroaniline	33%/34%	J-/R	RI-SB-08_0-2, RI-SB-08_3-5, RI-SB-08_10-12, B-15_D_0-2, DUP-01_20250204, B-15_D_2-4, B-15_D_10-12, RI-SB-10_0-2, RI-SB-10_2-4, RI-SB-10_10-12, RI-SB-04_0-2, RI-SB-04_10-12, DUP-02_20260204, RI-SB-04_18-20

TABLE 6
LCS/LCSD
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Sample Type	Method	Batch ID	Analyte	%R/RPD	Qualifier	Affected Samples
L2606574	LCS	SW8270E	WG2173235	1,3-Dichlorobenzene	37%	J-/R	FB-03_20260205
L2606574	LCS	SW8270E	WG2173235	Hexachlorobutadiene	33%	J-/R	FB-03_20260205
L2606574	LCS	SW8270E	WG2173235	Hexachlorocyclopentadiene	32%	J-/R	FB-03_20260205
L2606574	LCS	SW8270E	WG2173235	Hexachloroethane	33%	J-/R	FB-03_20260205
L2606929	LCS/LCSD	SW8270E	WG2173409	Bis(2-chloroisopropyl)ether	RPD=32	J/None	None, no samples analyzed
L2606929	LCS/LCSD	SW8270E	WG2173409	Hexachloroethane	RPD=33	J/None	None, samples are ND
L2606929	LCS/LCSD	SW8270E	WG2173709	Benzoic acid	121%/122%	J+/None	None, samples are ND
L2606929	LCS	SW8270E	WG2173709	Pentachlorophenol	114%	J+/None	None, samples are ND
L2607931	LCSD	SW8270E	WG2175420	4-Chloro-3-methylphenol	110%	J+/None	None, samples are ND
L2607931	LCSD	SW8270E	WG2175420	4-Nitrophenol	135%	J+/None	None, samples are ND
L2607931	LCS/LCSD	SW8270E	WG2175420	Benzoic Acid	RPD=60	J/None	RI-SB-13_20-22
L2607931	LCSD	SW8270E	WG2175420	Phenol	92%	J+/None	RI-SB-13_10-12
L2608462	LCS	SW8270E	WG2176256	3,3'-Dichlorobenzidine	32%	J-/R	RI-SB-15_20-22
L2608462	LCS	SW8270E	WG2176256	4-Chloroaniline	39%	J-/R	RI-SB-15_20-22
L2608462	LCS	SW8270E	WG2176256	Carbazole	52%	J-/R	RI-SB-15_20-22
L2608462	LCS	SW8270E	WG2176256	Hexachlorobutadiene	36%	J-/R	RI-SB-15_20-22
L2608462	LCS	SW8270E	WG2176256	Hexachlorocyclopentadiene	39%	J-/R	RI-SB-15_20-22
L2606574	LCS/LCSD	SW9012B	WG2172114	Cyanide	67%/78%	J-/UJ	RI-SB-01_0-2, RI-SB-01_2-4, RI-SB-01_10-12, RI-SB-12_0-2, RI-SB-12_3-5, RI-SB-12_10-12, RI-SB-03_0-2, RI-SB-03_3-5, RI-SB-03_10-12, RI-SB-16_0-2, RI-SB-16_3-5, RI-SB-16_10-12
L2606227	LCS/LCSD	SW9012B	WG2173470	Cyanide	51%/67%	J-/UJ	RI-SB-08_0-2, RI-SB-08_3-5, RI-SB-08_10-12, B-15_D_0-2, DUP-01_20250204, B-15_D_2-4, B-15_D_10-12
L2606227	LCS/LCSD	SW9012B	WG2173471	Cyanide	73%/71%	J-/UJ	RI-SB-10_0-2, RI-SB-10_2-4, RI-SB-10_10-12, RI-SB-04_0-2, RI-SB-04_10-12, DUP-02_20260204, RI-SB-04_18-20
L2605921	LCS/LCSD	SW9012B	WG2173671	Cyanide	67%/73%	J-/UJ	RI-SB-07_0-2, RI-SB-07_10-12, RI-SB-09_0-2, RI-SB-09_10-12, RI-SB-20_0-2, DUP-03_20260205, RI-SB-20_8-10, RI-SB-20_11-13, RI-SB-11_0-2, RI-SB-11_8-10, RI-SB-11_11-13
L2606929	LCS	SW9012B	WG2173845	Cyanide	78%	NA	None, %Recovery within NFG limits
L2607931	LCS/LCSD	SW9012B	WG2175551	Cyanide	76%/70%	J-/UJ	RI-SB-13_0-2, RI-SB-13_10-12, RI-SB-13_20-22
L2608265	LCS/LCSD	SW9012B	WG2175917	Cyanide	73%/78%	NA	None, %Recovery within NFG limits
L2608462	LCS/LCSD	SW9012B	WG2176486	Cyanide	39%/73%, RPD=61	J-/UJ	RI-SB-17_0-2, RI-SB-17_10-12, RI-SB-17_20-22, RI-SB-18_0-2, RI-SB-18_14-16, RI-SB-18_20-22, RI-SB-14_0-2, RI-SB-14_10-12, RI-SB-14_20-22, RI-SB-15_0-2, RI-SB-15_10-12, RI-SB-15_20-22
L2614269	LCS/LCSD	SW8260D	WG2186404	1,2,4,5-Tetramethylbenzene	65%/63%	J/UJ	RI-SB-09_22-24, RI-SB-17_22-24, RI-SB-14_22-24, RI-SB-07_25-27, RI-SB-07_27-29, RI-SB-13_22-24
L2614269	LCSD	SW8270E	WG2186408	4,6-Dinitro-2-methylphenol	1.41	J+/None	None, samples are ND
L2614269	LCSD	SW8270E	WG2186408	Benzoic acid	1.36	J+/None	None, samples are ND

TABLE 6
LCS/LCSD
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Sample Type	Method	Batch ID	Analyte	%R/RPD	Qualifier	Affected Samples
L2614270	LCS/LCSD	SW8260D	WG2188983	Vinyl chloride	148%/140%	J/None	None, samples are ND
L2614270	LCS/LCSD	SW8260D	WG2188984	Vinyl chloride	148%/140%	J/None	None, samples are ND

TABLE 7
MS/MSD
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Sample Type	Method	Parent Sample	Analyte	%R/RPD	Qualifier	Affected Samples
MS	SW6010D	RI-SB-07_20-22	Aluminum	0%	NA	None, native sample > 4x the spike added
MS	SW6010D	RI-SB-07_20-22	Antimony	45%	J-/UJ	RI-SB-07_20-22, RI-SB-07_23-25, RI-SB-09_20-22, RI-SB-06_0-2, RI-SB-06_10-12, RI-SB-06_20-22
MS	SW6010D	RI-SB-07_20-22	Barium	133%	J+/None	RI-SB-07_20-22, RI-SB-07_23-25, RI-SB-09_20-22, RI-SB-06_0-2, RI-SB-06_10-12, RI-SB-06_20-22
MS	SW6010D	RI-SB-07_20-22	Cadmium	136%	J+/None	RI-SB-07_20-22, RI-SB-07_23-25, RI-SB-09_20-22, RI-SB-06_0-2, RI-SB-06_10-12
MS	SW6010D	RI-SB-07_20-22	Calcium	0%	NA	None, native sample > 4x the spike added
MS	SW6010D	RI-SB-07_20-22	Chromium	830%	NA	None, native sample > 4x the spike added
MS	SW6010D	RI-SB-07_20-22	Copper	1120%	NA	None, native sample > 4x the spike added
MS	SW6010D	RI-SB-07_20-22	Iron	35100%	NA	None, native sample > 4x the spike added
MS	SW6010D	RI-SB-07_20-22	Lead	308%	J+/None	RI-SB-07_20-22, RI-SB-07_23-25, RI-SB-09_20-22, RI-SB-06_0-2, RI-SB-06_10-12, RI-SB-06_20-22
MS	SW6010D	RI-SB-07_20-22	Magnesium	0%	NA	None, native sample > 4x the spike added
MS	SW6010D	RI-SB-07_20-22	Manganese	725%	NA	None, native sample > 4x the spike added
MS	SW6010D	RI-SB-07_20-22	Nickel	339%	J+/None	RI-SB-07_20-22, RI-SB-07_23-25, RI-SB-09_20-22, RI-SB-06_0-2, RI-SB-06_10-12, RI-SB-06_20-22
MS	SW6010D	RI-SB-07_20-22	Potassium	0%	J-/R	RI-SB-07_20-22, RI-SB-07_23-25, RI-SB-09_20-22, RI-SB-06_0-2, RI-SB-06_10-12, RI-SB-06_20-22
MS	SW6010D	RI-SB-07_20-22	Silver	128%	J+/None	RI-SB-07_20-22, RI-SB-09_20-22, RI-SB-06_10-12
MS	SW6010D	RI-SB-07_20-22	Zinc	315%	NA	None, native sample > 4x the spike added
MS	SW7196A	RI-SB-07_20-22	Chromium VI (Hexavalent)	0%	J-/R	RI-SB-07_20-22, RI-SB-07_23-25, RI-SB-09_20-22, RI-SB-06_0-2, RI-SB-06_10-12, RI-SB-06_20-22
MS/MSD	E1633A	RI-SB-08_3-5	Perfluorooctanesulfonic acid (PFOS)	205%/0%, RPD=62	J/UJ	RI-SB-08_0-2, RI-SB-08_3-5, RI-SB-08_10-12, B-15_D_0-2, DUP-01_20250204, B-15_D_2-4, B-15_D_10-12, RI-SB-10_0-2, RI-SB-10_2-4, RI-SB-10_10-12, RI-SB-04_0-2, RI-SB-04_10-12, DUP-02_20260204, RI-SB-04_18-20
MS/MSD	SW6010D	RI-SB-08_3-5	Aluminum	0/0%	NA	None, native sample > 4x the spike added
MS/MSD	SW6010D	RI-SB-08_3-5	Antimony	41%/46%	J-/UJ	RI-SB-08_0-2, RI-SB-08_3-5, RI-SB-08_10-12, B-15_D_0-2, DUP-01_20250204, B-15_D_2-4, B-15_D_10-12, RI-SB-10_0-2, RI-SB-10_2-4, RI-SB-10_10-12, RI-SB-04_0-2, RI-SB-04_10-12, DUP-02_20260204, RI-SB-04_18-20
MS	SW6010D	RI-SB-08_3-5	Arsenic	69%	J-/UJ	RI-SB-08_0-2, RI-SB-08_3-5, RI-SB-08_10-12, B-15_D_0-2, DUP-01_20250204, B-15_D_2-4, B-15_D_10-12, RI-SB-10_0-2, RI-SB-10_2-4, RI-SB-10_10-12, RI-SB-04_0-2, RI-SB-04_10-12, DUP-02_20260204, RI-SB-04_18-20

TABLE 7
MS/MSD
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Sample Type	Method	Parent Sample	Analyte	%R/RPD	Qualifier	Affected Samples
MS/MSD	SW6010D	RI-SB-08_3-5	Calcium	964%/300%, RPD=75	J+/None	RI-SB-08_0-2, RI-SB-08_3-5, RI-SB-08_10-12, B-15_D_0-2, DUP-01_20250204, B-15_D_2-4, B-15_D_10-12, RI-SB-10_0-2, RI-SB-10_2-4, RI-SB-10_10-12, RI-SB-04_0-2, RI-SB-04_10-12, DUP-02_20260204, RI-SB-04_18-20
MS/MSD	SW6010D	RI-SB-08_3-5	Copper	718%/132%, RPD=112	J+/None	RI-SB-08_0-2, RI-SB-08_3-5, RI-SB-08_10-12, B-15_D_0-2, DUP-01_20250204, B-15_D_2-4, B-15_D_10-12, RI-SB-10_0-2, RI-SB-10_2-4, RI-SB-10_10-12, RI-SB-04_0-2, RI-SB-04_10-12, DUP-02_20260204, RI-SB-04_18-20
MS/MSD	SW6010D	RI-SB-08_3-5	Iron	0%/0%	NA	None, native sample > 4x the spike added
MS/MSD	SW6010D	RI-SB-08_3-5	Lead	137%/162%	J+/None	RI-SB-08_0-2, RI-SB-08_3-5, RI-SB-08_10-12, B-15_D_0-2, DUP-01_20250204, B-15_D_2-4, B-15_D_10-12, RI-SB-10_0-2, RI-SB-10_2-4, RI-SB-10_10-12, RI-SB-04_0-2, RI-SB-04_10-12, DUP-02_20260204, RI-SB-04_18-20
MS/MSD	SW6010D	RI-SB-08_3-5	Magnesium	179%/130%	J+/None	RI-SB-08_0-2, RI-SB-08_3-5, RI-SB-08_10-12, B-15_D_0-2, DUP-01_20250204, B-15_D_2-4, B-15_D_10-12, RI-SB-10_0-2, RI-SB-10_2-4, RI-SB-10_10-12, RI-SB-04_0-2, RI-SB-04_10-12, DUP-02_20260204, RI-SB-04_18-20
MS/MSD	SW6010D	RI-SB-08_3-5	Manganese	0%/0%	NA	None, native sample > 4x the spike added
MS/MSD	SW8081B	RI-SB-08_3-5	Endosulfan sulfate	316%/312%	J/None	None, sample is ND
MS	SW8260D	RI-SB-08_3-5	1,1,1,2-Tetrachloroethane	27%/54%, RPD=70	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	1,1,1-Trichloroethane	33%, RPD=78	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	1,1,2,2-Tetrachloroethane	26%/47%, RPD=63	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	1,1,2-Trichloroethane	29%/55%, RPD=69	J/UJ	RI-SB-08_3-5
MS	SW8260D	RI-SB-08_3-5	1,1-Dichloroethane	35%, RPD=78	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	1,1-Dichloroethene	32%, RPD=76	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	1,1-Dichloropropene	34%/65%, RPD=69	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	1,2,3-Trichlorobenzene	12%/10%	J/R	RI-SB-08_3-5
MS	SW8260D	RI-SB-08_3-5	1,2,3-Trichloropropane	26%/48%, RPD=64	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	1,2,4,5-Tetramethylbenzene	17%/23%, RPD=34	J/R	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	1,2,4-Trichlorobenzene	12%/10%	J/R	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	1,2,4-Trimethylbenzene	23%/35%, RPD=47	J/UJ	RI-SB-08_3-5

TABLE 7
MS/MSD
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Sample Type	Method	Parent Sample	Analyte	%R/RPD	Qualifier	Affected Samples
MS/MSD	SW8260D	RI-SB-08_3-5	1,2-Dibromo-3-chloropropane (DBCP)	20%/32%, RPD=54	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	1,2-Dibromoethane (Ethylene Dibromide)	27%/46%, RPD=59	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	1,2-Dichlorobenzene	21%/24%	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	1,2-Dichloroethane	32%/62%, RPD=69	J/UJ	RI-SB-08_3-5
MS	SW8260D	RI-SB-08_3-5	1,2-Dichloropropane	32%/69%, RPD=77	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	1,3,5-Trimethylbenzene	24%/39%, RPD=52	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	1,3-Dichlorobenzene	21%/25%	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	1,3-Dichloropropane	28%/53%, RPD=66	J/UJ	RI-SB-08_3-5
MS	SW8260D	RI-SB-08_3-5	1,4-Dichlorobenzene	20%/23%	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	1,4-Diethylbenzene	19%/28%, RPD=45	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	2,2-Dichloropropane	31%/69%, RPD=81	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	2-Butanone (Methyl Ethyl Ketone)	33%/64%, RPD=69	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	2-Chlorotoluene	25%/38%, RPD=47	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	2-Hexanone (Methyl Butyl Ketone)	20%/45%, RPD=80	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	2-Phenylbutane (sec-Butylbenzene)	22%/37%, RPD=54	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	4-Chlorotoluene	22%/31%, RPD=37	J/UJ	RI-SB-08_3-5
MS	SW8260D	RI-SB-08_3-5	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	24%/38%, RPD=50	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	24%/54%, RPD=82	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Acetone	39%, RPD=51	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Acrylonitrile	33%/64%, RPD=69	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Benzene	33%/68%, RPD=75	J/UJ	RI-SB-08_3-5

TABLE 7
MS/MSD
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Sample Type	Method	Parent Sample	Analyte	%R/RPD	Qualifier	Affected Samples
MS/MSD	SW8260D	RI-SB-08_3-5	Bromobenzene	22%/32%, RPD=39	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Bromodichloromethane	30%/60%, RPD=72	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Bromoform	22%/40%, RPD=62	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Bromomethane (Methyl Bromide)	40%, RPD=68	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Carbon disulfide	30%/52%, RPD=59	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Carbon tetrachloride	30%/66%, RPD=79	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Chlorobenzene	27%/44%, RPD=52	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Chlorobromomethane	30%/57%, RPD=66	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Chloroethane	47%, RPD=77	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Chloroform (Trichloromethane)	30%/63%, RPD=75	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Chloromethane (Methyl Chloride)	44%, RPD=76	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	cis-1,2-Dichloroethene	30%/58%, RPD=67	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	cis-1,3-Dichloropropene	29%/52%, RPD=63	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Cymene (p-Isopropyltoluene)	21%/34%, RPD=52	J/UJ	RI-SB-08_3-5
MS	SW8260D	RI-SB-08_3-5	Dibromochloromethane	26%/49%, RPD=68	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Dibromomethane	29%/52%, RPD=62	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Dichlorodifluoromethane	RPD=83	J/None	None, sample is ND
MS	SW8260D	RI-SB-08_3-5	Ethyl ether	32%/70%, RPD=79	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Ethylbenzene	28%/49%, RPD=61	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Hexachlorobutadiene	10%/17%, RPD=57	J/R	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Isopropylbenzene (Cumene)	26%/46%, RPD=62	J/UJ	RI-SB-08_3-5

TABLE 7
MS/MSD
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Sample Type	Method	Parent Sample	Analyte	%R/RPD	Qualifier	Affected Samples
MS/MSD	SW8260D	RI-SB-08_3-5	m,p-Xylenes	28%/48%, RPD=58	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Methyl Tert Butyl Ether (MTBE)	26%/58%, RPD=81	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Methylene chloride (Dichloromethane)	30%/61%, RPD=71	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Naphthalene	15%/12%	J/R	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	n-Butylbenzene	19%/29%, RPD=47	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	n-Propylbenzene	25%/40%, RPD=53	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	o-Xylene	28%/49%, RPD=59	J/UJ	RI-SB-08_3-5
MS	SW8260D	RI-SB-08_3-5	Styrene	26%/38%, RPD=43	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	tert-Butylbenzene	24%/41%, RPD=59	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Tetrachloroethene	28%/49%, RPD=62	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Toluene	30%/56%, RPD=67	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	trans-1,2-Dichloroethene	30%/56%, RPD=65	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	trans-1,3-Dichloropropene	25%/40%, RPD=51	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	trans-1,4-Dichloro-2-butene	25%/37%, RPD=42	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Trichloroethene	31%/59%, RPD=67	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Trichlorofluoromethane	42%, RPD=80	J/UJ	RI-SB-08_3-5
MS	SW8260D	RI-SB-08_3-5	Vinyl acetate	23%/25%	J/UJ	RI-SB-08_3-5
MS/MSD	SW8260D	RI-SB-08_3-5	Vinyl chloride	46%, RPD=75	J/UJ	RI-SB-08_3-5
MS/MSD	SW8270E	RI-SB-08_3-5	2,4-Dinitrophenol	0%/0%	J/R	RI-SB-08_3-5
MS/MSD	SW8270E	RI-SB-08_3-5	2,4-Dinitrotoluene	24%/22%	J/UJ	RI-SB-08_3-5
MS/MSD	SW8270E	RI-SB-08_3-5	2,6-Dinitrotoluene	32%/31%	J/UJ	RI-SB-08_3-5
MS/MSD	SW8270E	RI-SB-08_3-5	2-Nitrophenol	18%/20%	J/UJ	RI-SB-08_3-5
MS/MSD	SW8270E	RI-SB-08_3-5	3,3'-Dichlorobenzidine	30%	J/UJ	RI-SB-08_3-5
MS/MSD	SW8270E	RI-SB-08_3-5	4,6-Dinitro-2-methylphenol	0%/0%	J/R	RI-SB-08_3-5

TABLE 7
MS/MSD
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Sample Type	Method	Parent Sample	Analyte	%R/RPD	Qualifier	Affected Samples
MSD	SW8270E	RI-SB-08_3-5	Benzo(a)anthracene	27%	J/UJ	RI-SB-08_3-5
MSD	SW8270E	RI-SB-08_3-5	Benzo(a)pyrene	34%	J/UJ	RI-SB-08_3-5
MSD	SW8270E	RI-SB-08_3-5	Benzo(b)fluoranthene	27%	J/UJ	RI-SB-08_3-5
MS/MSD	SW8270E	RI-SB-08_3-5	Benzo(g,h,i)perylene	35%/29%	J/UJ	RI-SB-08_3-5
MS	SW8270E	RI-SB-08_3-5	Benzo(k)fluoranthene	35%	J/UJ	RI-SB-08_3-5
MS/MSD	SW8270E	RI-SB-08_3-5	Benzoic Acid	0%/0%	J/R	RI-SB-08_3-5
MSD	SW8270E	RI-SB-08_3-5	Bis(2-chloroisopropyl)ether	37%	J/UJ	RI-SB-08_3-5
MSD	SW8270E	RI-SB-08_3-5	Chrysene	34%	J/UJ	RI-SB-08_3-5
MS/MSD	SW8270E	RI-SB-08_3-5	Fluoranthene	27%/0%	J/UJ	RI-SB-08_3-5
MS/MSD	SW8270E	RI-SB-08_3-5	Hexachlorocyclopentadiene	0%/0%	J/R	RI-SB-08_3-5
MSD	SW8270E	RI-SB-08_3-5	Indeno(1,2,3-c,d)pyrene	33%	J/UJ	RI-SB-08_3-5
MS/MSD	SW8270E	RI-SB-08_3-5	Phenanthrene	34%/0%	J/UJ	RI-SB-08_3-5
MS/MSD	SW8270E	RI-SB-08_3-5	Pyrene	20%/0%	J/UJ	RI-SB-08_3-5
MS/MSD	E1633A	RI-SB-11_0-2	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	RPD=37	J/UJ	RI-SB-07_0-2, RI-SB-07_10-12, RI-SB-09_0-2, RI-SB-09_10-12, RI-SB-20_0-2, DUP-03_20260205, RI-SB-20_8-10, RI-SB-20_11-13, RI-SB-11_0-2, RI-SB-11_8-10, RI-SB-11_11-13
MS/MSD	SW6010D	RI-SB-11_0-2	Aluminum	0%/484%, RPD=44	NA	None, native sample > 4x the spike added
MS/MSD	SW6010D	RI-SB-11_0-2	Antimony	35%/70%, RPD=67	J-/UJ	RI-SB-07_0-2, RI-SB-07_10-12, RI-SB-09_0-2, RI-SB-09_10-12, RI-SB-20_0-2, DUP-03_20260205, RI-SB-20_8-10, RI-SB-20_11-13, RI-SB-11_0-2, RI-SB-11_8-10, RI-SB-11_11-13
MS	SW6010D	RI-SB-11_0-2	Arsenic	70%, RPD=21	J-/UJ	RI-SB-07_0-2, RI-SB-07_10-12, RI-SB-09_0-2, RI-SB-09_10-12, RI-SB-20_0-2, DUP-03_20260205, RI-SB-20_8-10, RI-SB-20_11-13, RI-SB-11_0-2, RI-SB-11_8-10, RI-SB-11_11-13
MS/MSD	SW6010D	RI-SB-11_0-2	Calcium	5160%/12%, RPD=95	NA	None, native sample > 4x the spike added
MS/MSD	SW6010D	RI-SB-11_0-2	Chromium	31%/128%, RPD=53	J-/UJ	RI-SB-07_0-2, RI-SB-07_10-12, RI-SB-09_0-2, RI-SB-09_10-12, RI-SB-20_0-2, DUP-03_20260205, RI-SB-20_8-10, RI-SB-20_11-13, RI-SB-11_0-2, RI-SB-11_8-10, RI-SB-11_11-13
MS/MSD	SW6010D	RI-SB-11_0-2	Copper	3%/134%, RPD=52	J-/UJ	RI-SB-07_0-2, RI-SB-07_10-12, RI-SB-09_0-2, RI-SB-09_10-12, RI-SB-20_0-2, DUP-03_20260205, RI-SB-20_8-10, RI-SB-20_11-13, RI-SB-11_0-2, RI-SB-11_8-10, RI-SB-11_11-13
MS/MSD	SW6010D	RI-SB-11_0-2	Iron	0%/0%, RPD=54	NA	None, native sample > 4x the spike added
MS/MSD	SW6010D	RI-SB-11_0-2	Lead	46%/142%, RPD=38	J-/UJ	RI-SB-07_0-2, RI-SB-07_10-12, RI-SB-09_0-2, RI-SB-09_10-12, RI-SB-20_0-2, DUP-03_20260205, RI-SB-20_8-10, RI-SB-20_11-13, RI-SB-11_0-2, RI-SB-11_8-10, RI-SB-11_11-13

TABLE 7
MS/MSD
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Sample Type	Method	Parent Sample	Analyte	%R/RPD	Qualifier	Affected Samples
MS/MSD	SW6010D	RI-SB-11_0-2	Magnesium	3110%/441%, RPD=102	NA	None, native sample > 4x the spike added
MS/MSD	SW6010D	RI-SB-11_0-2	Manganese	0%/159%, RPD=30	NA	None, native sample > 4x the spike added
MS/MSD	SW6010D	RI-SB-11_0-2	Potassium	39%/144%, RPD=41	J-/UJ	RI-SB-07_0-2, RI-SB-07_10-12, RI-SB-09_0-2, RI-SB-09_10-12, RI-SB-20_0-2, DUP-03_20260205, RI-SB-20_8-10, RI-SB-20_11-13, RI-SB-11_0-2, RI-SB-11_8-10, RI-SB-11_11-13
MS	SW6010D	RI-SB-11_0-2	Sodium	127%	J+/None	RI-SB-07_0-2, RI-SB-07_10-12, RI-SB-20_8-10, RI-SB-20_11-13, RI-SB-11_0-2, RI-SB-11_8-10
MS	SW6010D	RI-SB-11_0-2	Vanadium	69%, RPD=23	J-/UJ	RI-SB-07_0-2, RI-SB-07_10-12, RI-SB-09_0-2, RI-SB-09_10-12, RI-SB-20_0-2, DUP-03_20260205, RI-SB-20_8-10, RI-SB-20_11-13, RI-SB-11_0-2, RI-SB-11_8-10, RI-SB-11_11-13
MS/MSD	SW6010D	RI-SB-11_0-2	Zinc	5%/131%, RPD=42	J-/UJ	RI-SB-07_0-2, RI-SB-07_10-12, RI-SB-09_0-2, RI-SB-09_10-12, RI-SB-20_0-2, DUP-03_20260205, RI-SB-20_8-10, RI-SB-20_11-13, RI-SB-11_0-2, RI-SB-11_8-10, RI-SB-11_11-13
MS/MSD	SW8260D	RI-SB-11_0-2	1,1,2,2-Tetrachloroethane	68%/67%	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	1,2,3-Trichlorobenzene	20%/34%, RPD=46	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	1,2,4,5-Tetramethylbenzene	40%/51%	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	1,2,4-Trichlorobenzene	20%/36%, RPD=54	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	1,2,4-Trimethylbenzene	59%/68%	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	1,2-Dibromo-3-chloropropane (DBCP)	59%/63%	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	1,2-Dibromoethane (Ethylene Dibromide)	64%	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	1,2-Dichlorobenzene	42%/55%	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	1,3,5-Trimethylbenzene	64%	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	1,3-Dichlorobenzene	39%/55%	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	1,4-Dichlorobenzene	35%/51%, RPD=34	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	1,4-Diethylbenzene	42%/58%	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	2-Butanone (Methyl Ethyl Ketone)	63%/60%	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	2-Chlorotoluene	59%/68%	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	2-Hexanone (Methyl Butyl Ketone)	63%/60%	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	2-Phenylbutane (sec-Butylbenzene)	57%/68%	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	4-Chlorotoluene	47%/62%	J/UJ	RI-SB-11_0-2

TABLE 7
MS/MSD
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Sample Type	Method	Parent Sample	Analyte	%R/RPD	Qualifier	Affected Samples
MS	SW8260D	RI-SB-11_0-2	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	57%/69%	J/UJ	RI-SB-11_0-2
MS/MSD	SW8260D	RI-SB-11_0-2	Acrylonitrile	68%/62%	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	Bromobenzene	51%/64%	J/UJ	RI-SB-11_0-2
MSD	SW8260D	RI-SB-11_0-2	Carbon tetrachloride	133%	J/None	None, sample is ND
MS	SW8260D	RI-SB-11_0-2	Chlorobenzene	54%	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	Chloromethane (Methyl Chloride)	142%/152%	J/None	None, sample is ND
MS	SW8260D	RI-SB-11_0-2	cis-1,3-Dichloropropene	68%	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	Cymene (p-Isopropyltoluene)	54%/66%	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	Dibromomethane	64%	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	Dichlorodifluoromethane (CFC-12)	147%/164%	J/None	None, sample is ND
MS	SW8260D	RI-SB-11_0-2	Ethylbenzene	64%	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	Hexachlorobutadiene	26%/42%, RPD=42	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	m,p-Xylenes	64%	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	Naphthalene	24%/41%, RPD=48	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	n-Butylbenzene	38%/57%, RPD=35	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	n-Propylbenzene	57%	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	o-Xylene	68%	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	Styrene	53%	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	tert-Butylbenzene	67%	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	trans-1,3-Dichloropropene	56%	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	trans-1,4-Dichloro-2-butene	47%/56%	J/UJ	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	Vinyl acetate	18%/15%	J/R	RI-SB-11_0-2
MS	SW8260D	RI-SB-11_0-2	Vinyl chloride	140%/158%	J/None	None, sample is ND
MS/MSD	SW8270E	RI-SB-11_0-2	2,4-Dinitrophenol	0%/0%	J/R	RI-SB-11_0-2
MS/MSD	SW8270E	RI-SB-11_0-2	2,4-Dinitrotoluene	30%/23%	J/UJ	RI-SB-11_0-2
MS/MSD	SW8270E	RI-SB-11_0-2	2,6-Dinitrotoluene	35%/29%	J/UJ	RI-SB-11_0-2
MS/MSD	SW8270E	RI-SB-11_0-2	2-Nitrophenol	25%/38%	J/UJ	RI-SB-11_0-2
MS/MSD	SW8270E	RI-SB-11_0-2	3,3'-Dichlorobenzidine	16%/11%	J/UJ	RI-SB-11_0-2
MS/MSD	SW8270E	RI-SB-11_0-2	4,6-Dinitro-2-methylphenol	0%/0%	J/R	RI-SB-11_0-2
MS/MSD	SW8270E	RI-SB-11_0-2	4-Chloroaniline	31%/34%	J/UJ	RI-SB-11_0-2
MSD	SW8270E	RI-SB-11_0-2	4-Nitroaniline	33%	J/UJ	RI-SB-11_0-2
MS/MSD	SW8270E	RI-SB-11_0-2	Benzo(a)anthracene	27%/33%	J/UJ	RI-SB-11_0-2
MS/MSD	SW8270E	RI-SB-11_0-2	Benzo(a)pyrene	25%/20%	J/UJ	RI-SB-11_0-2
MS/MSD	SW8270E	RI-SB-11_0-2	Benzo(b)fluoranthene	14%/35%	J/UJ	RI-SB-11_0-2

TABLE 7
MS/MSD
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Sample Type	Method	Parent Sample	Analyte	%R/RPD	Qualifier	Affected Samples
MS/MSD	SW8270E	RI-SB-11_0-2	Benzo(g,h,i)perylene	30%/35%	J/UJ	RI-SB-11_0-2
MS/MSD	SW8270E	RI-SB-11_0-2	Benzoic acid	0%/0%	J/R	RI-SB-11_0-2
MS/MSD	SW8270E	RI-SB-11_0-2	Chrysene	24%/38%	J/UJ	RI-SB-11_0-2
MS/MSD	SW8270E	RI-SB-11_0-2	Fluoranthene	0%/7%	J/R	RI-SB-11_0-2
MS/MSD	SW8270E	RI-SB-11_0-2	Hexachlorocyclopentadiene	0%/0%	J/R	RI-SB-11_0-2
MS/MSD	SW8270E	RI-SB-11_0-2	Hexachloroethane	33%/31%	J/UJ	RI-SB-11_0-2
MS/MSD	SW8270E	RI-SB-11_0-2	Indeno(1,2,3-c,d)pyrene	33%/38%	J/UJ	RI-SB-11_0-2
MS/MSD	SW8270E	RI-SB-11_0-2	Phenanthrene	24%/31%	J/UJ	RI-SB-11_0-2
MS/MSD	SW8270E	RI-SB-11_0-2	Pyrene	0%/14%	J/R	RI-SB-11_0-2
MSD	E1633A	RI-SB-16_3-5	Perfluorododecane sulfonic acid (PFDoDS)	24%, RPD=70	J/UJ	RI-SB-01_0-2, RI-SB-01_2-4, RI-SB-01_10-12, RI-SB-12_0-2, RI-SB-12_3-5, RI-SB-12_10-12, RI-SB-03_0-2, RI-SB-03_3-5, RI-SB-03_10-12, RI-SB-16_0-2, RI-SB-16_3-5, RI-SB-16_10-12
MS/MSD	SW6010D	RI-SB-16_3-5	Aluminum, Total	468%/779%	NA	None, native sample > 4x the spike added
MS/MSD	SW6010D	RI-SB-16_3-5	Antimony, Total	45%/44%	J-/UJ	RI-SB-01_0-2, RI-SB-01_2-4, RI-SB-01_10-12, RI-SB-12_0-2, RI-SB-12_3-5, RI-SB-12_10-12, RI-SB-03_0-2, RI-SB-03_3-5, RI-SB-03_10-12, RI-SB-16_0-2, RI-SB-16_3-5, RI-SB-16_10-12
MS/MSD	SW6010D	RI-SB-16_3-5	Iron, Total	789%/2690%	NA	None, native sample > 4x the spike added
MS/MSD	SW6010D	RI-SB-16_3-5	Lead, Total	50%/44%	J-/UJ	RI-SB-01_0-2, RI-SB-01_2-4, RI-SB-01_10-12, RI-SB-12_0-2, RI-SB-12_3-5, RI-SB-12_10-12, RI-SB-03_0-2, RI-SB-03_3-5, RI-SB-03_10-12, RI-SB-16_0-2, RI-SB-16_3-5, RI-SB-16_10-12
MS	SW6010D	RI-SB-16_3-5	Manganese, Total	63%	NA	None, native sample > 4x the spike added
MS/MSD	SW6010D	RI-SB-16_3-5	Zinc, Total	54%/52%	J-/UJ	RI-SB-01_0-2, RI-SB-01_2-4, RI-SB-01_10-12, RI-SB-12_0-2, RI-SB-12_3-5, RI-SB-12_10-12, RI-SB-03_0-2, RI-SB-03_3-5, RI-SB-03_10-12, RI-SB-16_0-2, RI-SB-16_3-5, RI-SB-16_10-12
MS/MSD	SW8260D	RI-SB-16_3-5	1,1,1,2-Tetrachloroethane	47%/50%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	1,1,2,2-Tetrachloroethane	59%/53%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	1,1,2-Trichloroethane	64%/59%	J/UJ	RI-SB-16_3-5
MS	SW8260D	RI-SB-16_3-5	1,1-Dichloropropene	63%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	1,2,3-Trichlorobenzene	15%	J/R	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	1,2,3-Trichloropropane	60%/52%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	1,2,4,5-Tetramethylbenzene	17%/22%	J/R	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	1,2,4-Trichlorobenzene	15%	J/R	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	1,2,4-Trimethylbenzene	23%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	1,2-Dibromo-3-chloropropane	51%/46%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	1,2-Dibromoethane	62%/59%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	1,2-Dichlorobenzene	24%/28%	J/UJ	RI-SB-16_3-5
MSD	SW8260D	RI-SB-16_3-5	1,2-Dichloroethane	67%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	1,2-Dichloropropane	68%/68%	J/UJ	RI-SB-16_3-5

TABLE 7
MS/MSD
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Sample Type	Method	Parent Sample	Analyte	%R/RPD	Qualifier	Affected Samples
MS/MSD	SW8260D	RI-SB-16_3-5	1,3,5-Trimethylbenzene	23%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	1,3-Dichlorobenzene	21%/25%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	1,3-Dichloropropane	62%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	1,4-Dichlorobenzene	20%/24%	J/UJ	RI-SB-16_3-5
MSD	SW8260D	RI-SB-16_3-5	2-Hexanone	58%, RPD=42	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	2-Phenylbutane (sec-Butylbenzene)	19%/25%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	4-Chlorotoluene	23%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	22%	J/UJ	RI-SB-16_3-5
MSD	SW8260D	RI-SB-16_3-5	4-Methyl-2-pentanone	62%, RPD=41	J/UJ	RI-SB-16_3-5
MSD	SW8260D	RI-SB-16_3-5	Acetone	42%, RPD=63	J/UJ	RI-SB-16_3-5
MSD	SW8260D	RI-SB-16_3-5	Acrylonitrile	67%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	Benzene	63%/66%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	Bromobenzene	30%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	Bromochloromethane	68%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	Bromodichloromethane	62%/62%	J/UJ	RI-SB-16_3-5
MS	SW8260D	RI-SB-16_3-5	Bromoform	50%/48%	J/UJ	RI-SB-16_3-5
MS	SW8260D	RI-SB-16_3-5	Carbon disulfide	58%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	Carbon tetrachloride	65%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	Chlorobenzene	36%/41%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	Chloroform	67%/68%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	cis-1,2-Dichloroethene	63%/68%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	cis-1,3-Dichloropropene	53%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	Dibromochloromethane	56%/55%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	Dibromomethane	65%/62%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	Ethylbenzene	34%/39%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	Hexachlorobutadiene	11%/13%	J/R	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	Isopropylbenzene	28%/34%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	m,p-Xylenes	32%/38%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	Methylene chloride	68%/68%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	Naphthalene	23%/22%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	n-Butylbenzene	15%/18%	J/R	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	n-Propylbenzene	23%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	o-Chlorotoluene	19%	J/R	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	o-Xylene	34%/40%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	p-Diethylbenzene	16%/20%	J/R	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	p-Isopropyltoluene	18%/23%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	Styrene	30%/34%	J/UJ	RI-SB-16_3-5

TABLE 7
MS/MSD
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Sample Type	Method	Parent Sample	Analyte	%R/RPD	Qualifier	Affected Samples
MS/MSD	SW8260D	RI-SB-16_3-5	tert-Butylbenzene	23%/30%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	Tetrachloroethene	38%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	Toluene	45%/50%	J/UJ	RI-SB-16_3-5
MS	SW8260D	RI-SB-16_3-5	trans-1,2-Dichloroethene	59%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	trans-1,3-Dichloropropene	45%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	trans-1,4-Dichloro-2-butene	36%/39%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	Trichloroethene	52%/58%	J/UJ	RI-SB-16_3-5
MS/MSD	SW8260D	RI-SB-16_3-5	Vinyl acetate	34%/24%, RPD=48	J/UJ	RI-SB-16_3-5
MS	SW8270E	RI-SB-16_3-5	2,4-Dinitrophenol	0%	J/R	RI-SB-16_3-5
MS	SW8270E	RI-SB-16_3-5	4,6-Dinitro-2-methylphenol	9%	J/R	RI-SB-16_3-5
MS/MSD	SW8270E	RI-SB-16_3-5	Hexachlorocyclopentadiene	24%/26%	J/UJ	RI-SB-16_3-5
MS/MSD	SW6010D	RI-SB-19_0-2	Aluminum	868%/2520%, RPD=54	NA	None, native sample > 4x the spike added
MS/MSD	SW6010D	RI-SB-19_0-2	Antimony	43%/34%	J-/UJ	RI-SB-19_0-2, RI-SB-19_7-9, RI-SB-19_10-12, RI-SB-05_0-2, DUP-04_20260206, RI-SB-05_7-9, RI-SB-05_13-15, RI-SB-02_0-2, RI-SB-02_7-9, RI-SB-02_13-15
MS	SW6010D	RI-SB-19_0-2	Cadmium	70%/, RPD=33	J-/UJ	RI-SB-19_0-2, RI-SB-19_7-9, RI-SB-19_10-12, RI-SB-05_0-2, DUP-04_20260206, RI-SB-05_7-9, RI-SB-05_13-15, RI-SB-02_0-2, RI-SB-02_7-9, RI-SB-02_13-15
MS/MSD	SW6010D	RI-SB-19_0-2	Calcium	2320%/0%, RPD=117	NA	None, native sample > 4x the spike added
MSD	SW6010D	RI-SB-19_0-2	Chromium	133%, RPD=37	J+/None	RI-SB-19_0-2, RI-SB-19_7-9, RI-SB-19_10-12, RI-SB-05_0-2, DUP-04_20260206, RI-SB-05_7-9, RI-SB-05_13-15, RI-SB-02_0-2, RI-SB-02_7-9, RI-SB-02_13-15
MSD	SW6010D	RI-SB-19_0-2	Copper	132%, RPD=31	J+/None	RI-SB-19_0-2, RI-SB-19_7-9, RI-SB-19_10-12, RI-SB-05_0-2, DUP-04_20260206, RI-SB-05_7-9, RI-SB-05_13-15, RI-SB-02_0-2, RI-SB-02_7-9, RI-SB-02_13-15
MS/MSD	SW6010D	RI-SB-19_0-2	Iron	0%/0%	NA	None, native sample > 4x the spike added
MS/MSD	SW6010D	RI-SB-19_0-2	Magnesium	754%/0%, RPD=133	NA	None, native sample > 4x the spike added
MS/MSD	SW6010D	RI-SB-19_0-2	Manganese	146%/266%, RPD=25	J+/None	RI-SB-19_0-2, RI-SB-19_7-9, RI-SB-19_10-12, RI-SB-05_0-2, DUP-04_20260206, RI-SB-05_7-9, RI-SB-05_13-15, RI-SB-02_0-2, RI-SB-02_7-9, RI-SB-02_13-15
MS/MSD	SW6010D	RI-SB-19_0-2	Nickel	RPD=21	J/None	RI-SB-19_0-2, RI-SB-19_7-9, RI-SB-19_10-12, RI-SB-05_0-2, DUP-04_20260206, RI-SB-05_7-9, RI-SB-05_13-15, RI-SB-02_0-2, RI-SB-02_7-9, RI-SB-02_13-15

TABLE 7
MS/MSD
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Sample Type	Method	Parent Sample	Analyte	%R/RPD	Qualifier	Affected Samples
MS/MSD	SW6010D	RI-SB-19_0-2	Potassium	141%/182%, RPD=30	J+/None	RI-SB-19_0-2, RI-SB-19_7-9, RI-SB-19_10-12, RI-SB-05_0-2, DUP-04_20260206, RI-SB-05_7-9, RI-SB-05_13-15, RI-SB-02_0-2, RI-SB-02_7-9, RI-SB-02_13-15
MS	SW6010D	RI-SB-19_0-2	Vanadium	64%, RPD=28	J-/UJ	RI-SB-19_0-2, RI-SB-19_7-9, RI-SB-19_10-12, RI-SB-05_0-2, DUP-04_20260206, RI-SB-05_7-9, RI-SB-05_13-15, RI-SB-02_0-2, RI-SB-02_7-9, RI-SB-02_13-15
MS/MSD	SW6010D	RI-SB-19_0-2	Zinc	RPD=24	J/None	RI-SB-19_0-2, RI-SB-19_7-9, RI-SB-19_10-12, RI-SB-05_0-2, DUP-04_20260206, RI-SB-05_7-9, RI-SB-05_13-15, RI-SB-02_0-2, RI-SB-02_7-9, RI-SB-02_13-15
MS	SW8260D	RI-SB-19_0-2	1,1,1,2-Tetrachloroethane	63%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	1,1,2,2-Tetrachloroethane	50%/60%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	1,2,3-Trichlorobenzene	16%	J/R	RI-SB-19_0-2
MS/MSD	SW8260D	RI-SB-19_0-2	1,2,3-Trichloropropane	59%/65%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	1,2,4,5-Tetramethylbenzene	26%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	1,2,4-Trichlorobenzene	18%	J/R	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	1,2,4-Trimethylbenzene	44%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	1,2-Dibromo-3-chloropropane	45%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	1,2-Dichlorobenzene	35%/40%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	1,3,5-Trimethylbenzene	45%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	1,3-Dichlorobenzene	37%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	1,4-Dichlorobenzene	35%/39%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	2-Butanone	62%/64%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	2-Hexanone	64%/63%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	Acrylonitrile	69%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	Bromobenzene	48%/53%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	Bromoform	61%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	Chlorobenzene	53%/56%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	Chloromethane	136%/163%	J/None	None, sample is ND
MS	SW8260D	RI-SB-19_0-2	Dichlorodifluoromethane	156%	J/None	None, sample is ND
MS	SW8260D	RI-SB-19_0-2	Ethylbenzene	54%/58%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	Hexachlorobutadiene	14%/14%	J/R	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	Isopropylbenzene	51%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	Naphthalene	21%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	n-Butylbenzene	29%/31%	J/UJ	RI-SB-19_0-2
MSD	SW8260D	RI-SB-19_0-2	n-Propylbenzene	44%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	o-Chlorotoluene	47%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	o-Xylene	56%	J/UJ	RI-SB-19_0-2
MS/MSD	SW8260D	RI-SB-19_0-2	p/m-Xylene	56%	J/UJ	RI-SB-19_0-2

TABLE 7
MS/MSD
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Sample Type	Method	Parent Sample	Analyte	%R/RPD	Qualifier	Affected Samples
MS	SW8260D	RI-SB-19_0-2	p-Chlorotoluene	44%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	p-Diethylbenzene	31%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	p-Ethyltoluene	45%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	p-Isopropyltoluene	36%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	sec-Butylbenzene	36%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	Styrene	52%/56%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	tert-Butylbenzene	42%	J/UJ	RI-SB-19_0-2
MS/MSD	SW8260D	RI-SB-19_0-2	Tetrachloroethene	59%/63%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	Toluene	69%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	trans-1,3-Dichloropropene	68%/68%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	trans-1,4-Dichloro-2-butene	51%/54%	J/UJ	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	Vinyl acetate	16%/16%	J/R	RI-SB-19_0-2
MS	SW8260D	RI-SB-19_0-2	Vinyl chloride	144%/154%	J/None	None, sample is ND
MSD	SW8270E	RI-SB-19_0-2	1,3-Dichlorobenzene	39%	J/UJ	RI-SB-19_0-2
MS/MSD	SW8270E	RI-SB-19_0-2	2,2'-oxybis(1-Chloropropane)	30%/28%	J/UJ	RI-SB-19_0-2
MS/MSD	SW8270E	RI-SB-19_0-2	2,4-Dinitrophenol	0%/0%	J/R	RI-SB-19_0-2
MSD	SW8270E	RI-SB-19_0-2	2,6-Dinitrotoluene	38%	J/UJ	RI-SB-19_0-2
MS/MSD	SW8270E	RI-SB-19_0-2	2-Butanone	RPD=44	J/None	None, sample is ND
MS/MSD	SW8270E	RI-SB-19_0-2	3,3'-Dichlorobenzidine	19%/18%	J/UJ	RI-SB-19_0-2
MS/MSD	SW8270E	RI-SB-19_0-2	4,6-Dinitro-2-methylphenol	0%/0%	J/R	RI-SB-19_0-2
MS/MSD	SW8270E	RI-SB-19_0-2	4-Chloroaniline	35%/33%	J/UJ	RI-SB-19_0-2
MSD	SW8270E	RI-SB-19_0-2	4-Chlorophenyl phenyl ether	39%	J/UJ	RI-SB-19_0-2
MSD	SW8270E	RI-SB-19_0-2	Benzo(a)anthracene	21%	J/UJ	RI-SB-19_0-2
MSD	SW8270E	RI-SB-19_0-2	Benzo(b)fluoranthene	23%	J/UJ	RI-SB-19_0-2
MS/MSD	SW8270E	RI-SB-19_0-2	Benzoic acid	0%/0%	J/R	RI-SB-19_0-2
MSD	SW8270E	RI-SB-19_0-2	Carbazole	48%	J/UJ	RI-SB-19_0-2
MSD	SW8270E	RI-SB-19_0-2	Chrysene	30%	J/UJ	RI-SB-19_0-2
MSD	SW8270E	RI-SB-19_0-2	Dibenz(a,h)anthracene	39%	J/UJ	RI-SB-19_0-2
MSD	SW8270E	RI-SB-19_0-2	Dimethyl phthalate	39%	J/UJ	RI-SB-19_0-2
MSD	SW8270E	RI-SB-19_0-2	Fluoranthene	0%	J/R	RI-SB-19_0-2
MS/MSD	SW8270E	RI-SB-19_0-2	Hexachlorocyclopentadiene	0%/0%	J/R	RI-SB-19_0-2
MSD	SW8270E	RI-SB-19_0-2	Hexachloroethane	39%	J/UJ	RI-SB-19_0-2
MS/MSD	SW8270E	RI-SB-19_0-2	Phenanthrene	27%/0%	J/UJ	RI-SB-19_0-2
MSD	SW8270E	RI-SB-19_0-2	Pyrene	8%	J/R	RI-SB-19_0-2
MSD	SW8260D	B-23_0-2_RS	1,1,1-Trichloroethane	67%	J/UJ	B-23_0-2_RS
MSD	SW8260D	B-23_0-2_RS	cis-1,2-Dichloroethene	67%	J/UJ	B-23_0-2_RS
MSD	SW8260D	B-23_0-2_RS	Tetrachloroethene	67%	J/UJ	B-23_0-2_RS
MSD	SW8260D	DB-02_0-2	1,1,1-Trichloroethane	133%, RPD=31	J/None	None, sample is ND

TABLE 7
MS/MSD
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Sample Type	Method	Parent Sample	Analyte	%R/RPD	Qualifier	Affected Samples
MSD	SW8260D	DB-02_0-2	1,1-Dichloroethene	140%, RPD=33	J/None	None, sample is ND
MSD	SW8260D	DB-02_0-2	Carbon tetrachloride	155%, RPD=32	J/None	None, sample is ND
MS	SW8260D	DB-02_0-2	cis-1,2-Dichloroethene	65%, RPD=35	J/UJ	DB-02_0-2
MS/MSD	SW8260D	DB-02_0-2	Tetrachloroethene	0%/0%	J/R	DB-02_0-2
MS	SW8260D	DB-02_0-2	Trichloroethene	65%, RPD=33	J/UJ	DB-02_0-2
MSD	SW8260D	DB-02_0-2	Vinyl chloride	148%, RPD=36	J/None	None, sample is ND
MS/MSD	SW8260D	DB-02_0-2	Methylene chloride	RPD=33	J/None	None, sample is ND
MSD	SW9012B	RI-SB-09_22-24	Cyanide	130%	J+/None	None, samples are ND

TABLE 8
LAB DUPLICATES RPD EXCEEDANCES
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Method	Analyte	Primary Sample ID	Duplicate Sample ID	% RPD	Qualification
		RI-SB-05_0-2	DUP-04_20260206		
E1633A	Perfluorooctanesulfonic acid (PFOS)	1.3	0.477	NA	J/UJ, Abs. Diff. > RL
SW6010D	Nickel	7.85	10.8	NA	J/UJ, Abs. Diff. > RL
SW6010D	Copper	14.1	24.6	54	J/UJ, RPD>50
SW6010D	Lead	32.8	94.3	97	J/UJ, RPD>50
SW8081B	4,4'-DDD	ND	5.11	NA	J/UJ, Abs. Diff. > RL
SW8081B	Chlordane	68.4	27.6	NA	J/UJ, Abs. Diff. > RL
SW8081B	Dieldrin	1.9	5.08	NA	J/UJ, Abs. Diff. > RL
SW8081B	alpha-Chlordane (cis)	9.61	4.62	NA	J/UJ, Abs. Diff. > RL
SW8081B	gamma-Chlordane (trans)	11.5	3.54	NA	J/UJ, Abs. Diff. > RL
SW8082A	Aroclor-1268 (PCB-1268)	152	ND	NA	J/UJ, Abs. Diff. > RL
SW8082A	Polychlorinated biphenyls (PCBs)	152	40	NA	J/UJ, Abs. Diff. > RL
SW8270E	Benzo(a)anthracene	220	1200	NA	J/UJ, Abs. Diff. > RL
SW8270E	Benzo(a)pyrene	190	990	NA	J/UJ, Abs. Diff. > RL
SW8270E	Benzo(b)fluoranthene	310	1200	NA	J/UJ, Abs. Diff. > RL
SW8270E	Benzo(g,h,i)perylene	180	640	NA	J/UJ, Abs. Diff. > RL
SW8270E	Benzo(k)fluoranthene	120	470	NA	J/UJ, Abs. Diff. > RL
SW8270E	Chrysene	290	1100	NA	J/UJ, Abs. Diff. > RL
SW8270E	Fluoranthene	440	1900	NA	J/UJ, Abs. Diff. > RL
SW8270E	Indeno(1,2,3-cd)pyrene	160	650	NA	J/UJ, Abs. Diff. > RL
SW8270E	Phenanthrene	380	1000	NA	J/UJ, Abs. Diff. > RL
SW8270E	Pyrene	430	1600	NA	J/UJ, Abs. Diff. > RL

Method	Analyte	Primary Sample ID	Duplicate Sample ID	% RPD	Qualification
		RI-SB-04_10-12	DUP-02_20260204		
E1633A	Perfluorohexanoic acid (PFHxA)	0.904	0.588	NA	J/UJ, Abs. Diff. > RL
E1633A	Perfluorooctanoic acid (PFOA)	1.6	0.872	NA	J/UJ, Abs. Diff. > RL
E1633A	Perfluoropentanoic acid (PFPeA)	1.08	0.63	NA	J/UJ, Abs. Diff. > RL
SW6010D	Cadmium	3.99	1.58	NA	J/UJ, Abs. Diff. > RL
SW6010D	Cobalt	10	7.09	NA	J/UJ, Abs. Diff. > RL
SW6010D	Calcium	2930	26000	159	J/UJ, RPD>50
SW6010D	Iron	45600	22900	66	J/UJ, RPD>50
SW6010D	Magnesium	2580	16600	146	J/UJ, RPD>50
SW8270E	Benzo(a)anthracene	240	42	NA	J/UJ, Abs. Diff. > RL
SW8270E	Benzo(b)fluoranthene	270	42	NA	J/UJ, Abs. Diff. > RL
SW8270E	Chrysene	240	34	NA	J/UJ, Abs. Diff. > RL
SW8270E	Fluoranthene	440	72	NA	J/UJ, Abs. Diff. > RL
SW8270E	Phenanthrene	320	31	NA	J/UJ, Abs. Diff. > RL
SW8270E	Pyrene	420	67	NA	J/UJ, Abs. Diff. > RL

** Results were marked nonreportable.*

TABLE 8
LAB DUPLICATES RPD EXCEEDANCES
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Method	Analyte	Primary Sample ID	Duplicate Sample ID	% RPD	Qualification
		RI-SB-20_0-2	DUP-03_20260205		
SW6010D	Arsenic	4.55	2.85	NA	J/UJ, Abs. Diff. > RL
SW6010D	Lead	69	19.1	NA	J/UJ, Abs. Diff. > RL
SW6010D	Zinc	89.8	45.1	66	J/UJ, RPD>50
SW8082A	Aroclor-1260 (PCB-1260)	ND	107	NA	J/UJ, Abs. Diff. > RL
SW8082A	Aroclor-1254 (PCB-1254)	954	398	82	J/UJ, RPD>50
SW8082A	Polychlorinated biphenyls (PCBs)	954	505	62	J/UJ, RPD>50
SW8270E	2-Methylnaphthalene	12000	1500	156	J/UJ, RPD>50
SW8270E	Acenaphthene	12000	1000	169	J/UJ, RPD>50
SW8270E	Acenaphthylene	19000	1500	171	J/UJ, RPD>50
SW8270E	Anthracene	50000	3700	172	J/UJ, RPD>50
SW8270E	Anthracene	43000*	3700	168	J/UJ, RPD>50
SW8270E	Benzo(a)anthracene	82000	5500	175	J/UJ, RPD>50
SW8270E	Benzo(a)anthracene	77000*	5500	173	J/UJ, RPD>50
SW8270E	Benzo(a)pyrene	66000	4300	176	J/UJ, RPD>50
SW8270E	Benzo(a)pyrene	58000*	4300	172	J/UJ, RPD>50
SW8270E	Benzo(b)fluoranthene	82000	5200	176	J/UJ, RPD>50
SW8270E	Benzo(b)fluoranthene	72000*	5200	173	J/UJ, RPD>50
SW8270E	Benzo(g,h,i)perylene	26000	1900	173	J/UJ, RPD>50
SW8270E	Benzo(k)fluoranthene	21000	1900	167	J/UJ, RPD>50
SW8270E	Carbazole	11000	1500	152	J/UJ, RPD>50
SW8270E	Chrysene	71000	5100	173	J/UJ, RPD>50
SW8270E	Chrysene	70000*	5100	173	J/UJ, RPD>50
SW8270E	Dibenz(a,h)anthracene	8100	620	172	J/UJ, RPD>50
SW8270E	Dibenzofuran	14000	1500	161	J/UJ, RPD>50
SW8270E	Fluoranthene	160000	8200*	180	J/UJ, RPD>50
SW8270E	Fluoranthene	160000	12000	172	J/UJ, RPD>50
SW8270E	Fluoranthene	110000*	8200	172	J/UJ, RPD>50
SW8270E	Fluoranthene	110000*	12000	161	J/UJ, RPD>50
SW8270E	Fluorene	33000	2600	171	J/UJ, RPD>50
SW8270E	Indeno(1,2,3-cd)pyrene	27000	2100	171	J/UJ, RPD>50
SW8270E	Naphthalene	12000	2100	140	J/UJ, RPD>50
SW8270E	Phenanthrene	190000	10000*	180	J/UJ, RPD>50
SW8270E	Phenanthrene	190000	19000	164	J/UJ, RPD>50
SW8270E	Phenanthrene	150000*	10000*	175	J/UJ, RPD>50
SW8270E	Phenanthrene	150000*	19000	155	J/UJ, RPD>50
SW8270E	Pyrene	140000	7700*	179	J/UJ, RPD>50
SW8270E	Pyrene	140000	10000	173	J/UJ, RPD>50
SW8270E	Pyrene	96000*	7700*	170	J/UJ, RPD>50
SW8270E	Pyrene	96000*	10000	162	J/UJ, RPD>50

** Results were marked nonreportable.*

Method	Analyte	Primary Sample ID	Duplicate Sample ID	% RPD	Qualification
		B-15_D_0-2	DUP-01_20250204		
SW6010D	Potassium	949	537	NA	J/UJ, Abs. Diff. > RL
SW6010D	Barium	173	62.9	93	J/UJ, RPD>50
SW6010D	Chromium	25.7	54.9	72	J/UJ, RPD>50
SW6010D	Lead	528	314	51	J/UJ, RPD>50
SW7471B	Mercury	4.93	0.333	NA	J/UJ, Abs. Diff. > RL
SW8260D	Naphthalene	ND	20	NA	J/UJ, Abs. Diff. > RL
Method	**Analyte**	**Primary Sample ID**	**Duplicate Sample ID**	**% RPD**	**Qualification**
		SB-103_0-2_RS	DUP-02_20260316		
SW8260D	Trichloroethene	120	86	NA	J/UJ, Abs. Diff. > RL

TABLE 8
LAB DUPLICATES RPD EXCEEDANCES
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Method	Analyte	Primary Sample ID	Duplicate Sample ID	% RPD	Qualification
		RI-SB-13_22-24	DUP-01_20260316		
SW6010D	Chromium	6.01	18.2	NA	J/UJ, Abs. Diff. > RL
SW6010D	Cobalt	7.15	14.4	NA	J/UJ, Abs. Diff. > RL
SW6010D	Nickel	8.82	19	NA	J/UJ, Abs. Diff. > RL
SW6010D	Potassium	2020	4220	NA	J/UJ, Abs. Diff. > RL
SW6010D	Zinc	24.9	47.7	NA	J/UJ, Abs. Diff. > RL
SW6010D	Aluminum	5370	11500	73	J/UJ, RPD>50
SW6010D	Barium	60.2	120	66	J/UJ, RPD>50
SW6010D	Calcium	111000	32700	109	J/UJ, RPD>50
SW6010D	Iron	10800	20500	62	J/UJ, RPD>50
SW6010D	Magnesium	60900	26900	77	J/UJ, RPD>50
SW6010D	Vanadium	27	57.1	72	J/UJ, RPD>50
SW8260D	1,1,1-Trichloroethane	2.2	ND	NA	J/UJ, Abs. Diff. > RL

Method	Analyte	Sample	RPD	Action
SW8081B	gamma-Chlordane (trans)	B-15_D_0-2	> 40%	Qualify data estimated J/UJ.
SW8082A	Aroclor-1248 (PCB-1248)	DUP-04_20260206	> 40%	Qualify data estimated J/UJ.
SW8081B	Heptachlor epoxide	RI-SB-02_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	RI-SB-02_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	gamma-Chlordane (trans)	RI-SB-02_13-15	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	RI-SB-02_13-15	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	RI-SB-02_7-9	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	RI-SB-04_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDD	RI-SB-04_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDT	RI-SB-05_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	RI-SB-05_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	RI-SB-05_13-15	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	RI-SB-05_7-9	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	RI-SB-06_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	gamma-Chlordane (trans)	RI-SB-06_10-12	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	RI-SB-06_10-12	> 40%	Qualify data estimated J/UJ.
SW8081B	gamma-Chlordane (trans)	RI-SB-07_0-2	> 40%	Qualify data estimated J/UJ.
SW8082A	Aroclor-1260 (PCB-1260)	RI-SB-07_20-22	> 40%	Qualify data estimated J/UJ.
SW8082A	Aroclor-1260 (PCB-1260)	RI-SB-07_23-25	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDT	RI-SB-08_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	RI-SB-08_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	gamma-Chlordane (trans)	RI-SB-09_20-22	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDT	RI-SB-11_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	RI-SB-11_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDE	RI-SB-11_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	Heptachlor epoxide	RI-SB-11_11-13	> 40%	Qualify data estimated J/UJ.
SW8081B	Dieldrin	RI-SB-11_11-13	> 40%	Qualify data estimated J/UJ.
SW8081B	Endosulfan sulfate	RI-SB-11_11-13	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	RI-SB-11_11-13	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDE	RI-SB-13_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	RI-SB-13_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	RI-SB-13_10-12	> 40%	Qualify data estimated J/UJ.
SW8082A	Aroclor-1248 (PCB-1248)	RI-SB-13_10-12	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	RI-SB-13_20-22	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDT	RI-SB-14_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	RI-SB-14_0-2	> 40%	Qualify data estimated J/UJ.
SW8082A	Aroclor-1254 (PCB-1254)	RI-SB-14_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	RI-SB-14_10-12	> 40%	Qualify data estimated J/UJ.
SW8081B	gamma-Chlordane (trans)	RI-SB-14_10-12	> 40%	Qualify data estimated J/UJ.
SW8081B	Heptachlor	RI-SB-14_10-12	> 40%	Qualify data estimated J/UJ.
SW8082A	Aroclor-1254 (PCB-1254)	RI-SB-14_10-12	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	RI-SB-14_20-22	> 40%	Qualify data estimated J/UJ.
SW8082A	Aroclor-1248 (PCB-1248)	RI-SB-15_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	RI-SB-15_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	gamma-Chlordane (trans)	RI-SB-15_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	Heptachlor	RI-SB-15_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	RI-SB-15_10-12	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDT	RI-SB-15_20-22	> 40%	Qualify data estimated J/UJ.
SW8081B	gamma-Chlordane (trans)	RI-SB-15_20-22	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDE	RI-SB-15_20-22	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	RI-SB-17_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	gamma-Chlordane (trans)	RI-SB-17_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	Heptachlor	RI-SB-17_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	RI-SB-17_10-12	> 40%	Qualify data estimated J/UJ.
SW8082A	Aroclor-1248 (PCB-1248)	RI-SB-17_10-12	> 40%	Qualify data estimated J/UJ.

TABLE 9
CONFIRMATION COLUMN REVIEW
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Method	Analyte	Sample	RPD	Action
SW8081B	4,4'-DDT	RI-SB-18_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	RI-SB-18_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	gamma-Chlordane (trans)	RI-SB-18_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	Chlordane	RI-SB-18_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	RI-SB-18_20-22	> 40%	Qualify data estimated J/UJ.
SW8081B	Heptachlor	RI-SB-18_20-22	> 40%	Qualify data estimated J/UJ.
SW8082A	Aroclor-1248 (PCB-1248)	RI-SB-18_20-22	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDT	RI-SB-19_0-2	> 40%	Qualify data estimated J/UJ.
SW8082A	Aroclor-1248 (PCB-1248)	RI-SB-19_0-2	> 40%	Qualify data estimated J/UJ.
SW8081B	gamma-Chlordane (trans)	RI-SB-19_10-12	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	RI-SB-19_10-12	> 40%	Qualify data estimated J/UJ.
SW8082A	Aroclor-1254 (PCB-1254)	RI-SB-19_7-9	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDT	RI-SB-20_8-10	> 40%	Qualify data estimated J/UJ.

TABLE 10
EXTRACTION INTERNAL STANDARDS
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Sample ID	Lab ID	Standard Name	%Recovery	Qualifier	Target analytes
RI-SB-01_0-2	L2605921-01	N-Deuterioethylperfluoro-1-octanesulfonamide (D5-NEtFOSA)	20	J/UJ	NEtFOSA
RI-SB-01_0-2	L2605921-01	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	41	J/UJ	NEtFOSE
RI-SB-01_0-2	L2605921-01	N-Deuteriomethylperfluoro-1-octanesulfonamide (D3-NMeFOSA)	22	J/UJ	NMeFOSA
RI-SB-01_0-2	L2605921-01	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	47	J/UJ	NMeFOSE
RI-SB-01_0-2	L2605921-01	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	39	J/UJ	PFTeDA, PFTrDA
RI-SB-01_2-4	L2605921-02	N-Deuterioethylperfluoro-1-octanesulfonamide (D5-NEtFOSA)	18	J/UJ	NEtFOSA
RI-SB-01_2-4	L2605921-02	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	38	J/UJ	NEtFOSE
RI-SB-01_2-4	L2605921-02	N-Deuteriomethylperfluoro-1-octanesulfonamide (D3-NMeFOSA)	21	J/UJ	NMeFOSA
RI-SB-01_2-4	L2605921-02	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	44	J/UJ	NMeFOSE
RI-SB-01_2-4	L2605921-02	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	37	J/UJ	PFTeDA, PFTrDA
RI-SB-01_10-12	L2605921-03	N-Deuterioethylperfluoro-1-octanesulfonamide (D5-NEtFOSA)	19	J/UJ	NEtFOSA
RI-SB-01_10-12	L2605921-03	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	44	J/UJ	NEtFOSE
RI-SB-01_10-12	L2605921-03	N-Deuteriomethylperfluoro-1-octanesulfonamide (D3-NMeFOSA)	22	J/UJ	NMeFOSA
RI-SB-01_10-12	L2605921-03	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	49	J/UJ	NMeFOSE
RI-SB-01_10-12	L2605921-03	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	38	J/UJ	PFTeDA, PFTrDA
RI-SB-12_0-2	L2605921-04	N-Deuterioethylperfluoro-1-octanesulfonamide (D5-NEtFOSA)	21	J/UJ	NEtFOSA
RI-SB-12_0-2	L2605921-04	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	39	J/UJ	NEtFOSE
RI-SB-12_0-2	L2605921-04	N-Deuteriomethylperfluoro-1-octanesulfonamide (D3-NMeFOSA)	23	J/UJ	NMeFOSA
RI-SB-12_0-2	L2605921-04	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	44	J/UJ	NMeFOSE
RI-SB-12_0-2	L2605921-04	Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	48	J/UJ	PFDoDA, PFTrDA
RI-SB-12_0-2	L2605921-04	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	36	J/UJ	PFTeDA, PFTrDA
RI-SB-12_3-5	L2605921-05	N-Deuterioethylperfluoro-1-octanesulfonamide (D5-NEtFOSA)	20	J/UJ	NEtFOSA
RI-SB-12_3-5	L2605921-05	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	48	J/UJ	NEtFOSE
RI-SB-12_3-5	L2605921-05	N-Deuteriomethylperfluoro-1-octanesulfonamide (D3-NMeFOSA)	21	J/UJ	NMeFOSA
RI-SB-12_3-5	L2605921-05	Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	49	J/UJ	PFDoDA, PFTrDA
RI-SB-12_3-5	L2605921-05	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	38	J/UJ	PFTeDA, PFTrDA
RI-SB-12_10-12	L2605921-06	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	38	J/UJ	NEtFOSE
RI-SB-12_10-12	L2605921-06	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	44	J/UJ	NMeFOSE
RI-SB-12_10-12	L2605921-06	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	42	J/UJ	PFTeDA, PFTrDA
RI-SB-03_0-2	L2605921-07	N-Deuterioethylperfluoro-1-octanesulfonamide (D5-NEtFOSA)	24	J/UJ	NEtFOSA
RI-SB-03_0-2	L2605921-07	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	37	J/UJ	NEtFOSE
RI-SB-03_0-2	L2605921-07	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	43	J/UJ	NMeFOSE
RI-SB-03_0-2	L2605921-07	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	35	J/UJ	PFTeDA, PFTrDA
RI-SB-03_3-5	L2605921-08	N-Deuterioethylperfluoro-1-octanesulfonamide (D5-NEtFOSA)	22	J/UJ	NEtFOSA
RI-SB-03_3-5	L2605921-08	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	37	J/UJ	NEtFOSE
RI-SB-03_3-5	L2605921-08	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	42	J/UJ	NMeFOSE
RI-SB-03_3-5	L2605921-08	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	36	J/UJ	PFTeDA, PFTrDA

TABLE 10

EXTRACTION INTERNAL STANDARDS

ASTORIA COVE BUILDINGS 3A 3B

QUEENS, NY

Sample ID	Lab ID	Standard Name	%Recovery	Qualifier	Target analytes
RI-SB-16_0-2	L2605921-10	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	42	J/UJ	NEtFOSE
RI-SB-16_0-2	L2605921-10	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	43	J/UJ	NMeFOSE
RI-SB-16_0-2	L2605921-10	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	47	J/UJ	PFTeDA, PFTrDA
RI-SB-16_3-5	L2605921-11	N-Deuterioethylperfluoro-1-octanesulfonamide (D5-NEtFOSA)	23	J/UJ	NEtFOSA
RI-SB-16_3-5	L2605921-11	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	36	J/UJ	NEtFOSE
RI-SB-16_3-5	L2605921-11	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	42	J/UJ	NMeFOSE
RI-SB-16_3-5	L2605921-11	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	25	J/UJ	PFTeDA, PFTrDA
RI-SB-08_0-2	L2606227-01	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	49	J/UJ	PFTeDA, PFTrDA
RI-SB-08_10-12	L2606227-03	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	45	J/UJ	PFTeDA, PFTrDA
B-15_D_2-4	L2606227-06	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	48	J/UJ	PFTeDA, PFTrDA
B-15_D_10-12	L2606227-07	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	36	J/UJ	PFTeDA, PFTrDA
RI-SB-10_0-2	L2606227-08	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	43	J/UJ	PFTeDA, PFTrDA
RI-SB-04_10-12	L2606227-12	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	49	J/UJ	PFTeDA, PFTrDA
RI-SB-07_0-2	L2606574-01	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	41	J/UJ	PFTeDA, PFTrDA
RI-SB-09_0-2	L2606574-04	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	47	J/UJ	PFTeDA, PFTrDA
RI-SB-09_10-12	L2606574-05	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	48	J/UJ	PFTeDA, PFTrDA
DUP-03_20260205	L2606574-07	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	37	J/UJ	PFTeDA, PFTrDA
RI-SB-20_8-10	L2606574-08	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	45	J/UJ	PFTeDA, PFTrDA
RI-SB-11_0-2	L2606574-10	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	43	J/UJ	PFTeDA, PFTrDA
RI-SB-11_8-10	L2606574-11	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	41	J/UJ	PFTeDA, PFTrDA
RI-SB-11_11-13	L2606574-12	1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (13C2-8:2 FTS)	32	J/UJ	FtS 8:2
RI-SB-11_11-13	L2606574-12	1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (13C2-4:2 FTS)	35	J/UJ	FtS 4:2
RI-SB-11_11-13	L2606574-12	1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (13C2-6:2 FTS)	44	J/UJ	FtS 6:2
RI-SB-11_11-13	L2606574-12	Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	47	J/UJ	PFDoDA, PFTrDA
RI-SB-11_11-13	L2606574-12	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	37	J/UJ	PFTeDA, PFTrDA
FB-03_20260205	L2606574-15	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	44	J/UJ	PFTeDA, PFTrDA
RI-SB-19_7-9	L2606929-03	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	47	J/UJ	NMeFOSE
RI-SB-05_13-15	L2606929-08	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	48	J/UJ	PFTeDA, PFTrDA
FB-04_20260206	L2606929-13	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	41	J/UJ	PFTeDA, PFTrDA
RI-SB-13_0-2	L2607931-02	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	41	J/UJ	NEtFOSE
RI-SB-13_0-2	L2607931-02	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	48	J/UJ	NMeFOSE
RI-SB-07_23-25	L2608265-03	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	47	J/UJ	NEtFOSE
RI-SB-07_23-25	L2608265-03	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	47	J/UJ	NMeFOSE
RI-SB-09_20-22	L2608265-04	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	43	J/UJ	NEtFOSE
RI-SB-09_20-22	L2608265-04	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	41	J/UJ	NMeFOSE
RI-SB-06_10-12	L2608265-06	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	49	J/UJ	PFTeDA, PFTrDA

TABLE 10
EXTRACTION INTERNAL STANDARDS
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Sample ID	Lab ID	Standard Name	%Recovery	Qualifier	Target analytes
RI-SB-17_0-2	L2608462-03	N-Deuterioethylperfluoro-1-octanesulfonamide (D5-NEtFOSA)	19	J/UJ	NEtFOSA
RI-SB-17_0-2	L2608462-03	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	39	J/UJ	NEtFOSE
RI-SB-17_0-2	L2608462-03	N-Deuteriomethylperfluoro-1-octanesulfonamide (D3-NMeFOSA)	19	J/UJ	NMeFOSA
RI-SB-17_0-2	L2608462-03	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	45	J/UJ	NMeFOSE
RI-SB-17_20-22	L2608462-05	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	45	J/UJ	NEtFOSE
RI-SB-17_20-22	L2608462-05	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	47	J/UJ	NMeFOSE
RI-SB-14_0-2	L2608462-09	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	49	J/UJ	NEtFOSE
RI-SB-15_0-2	L2608462-12	N-Deuterioethylperfluoro-1-octanesulfonamide (D5-NEtFOSA)	18	J/UJ	NEtFOSA
RI-SB-15_0-2	L2608462-12	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	36	J/UJ	NEtFOSE
RI-SB-15_0-2	L2608462-12	N-Deuteriomethylperfluoro-1-octanesulfonamide (D3-NMeFOSA)	18	J/UJ	NMeFOSA
RI-SB-15_0-2	L2608462-12	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	40	J/UJ	NMeFOSE
RI-SB-15_0-2	L2608462-12	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	47	J/UJ	PFTeDA, PFTrDA
RI-SB-15_10-12	L2608462-13	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	49	J/UJ	NEtFOSE
RI-SB-15_20-22	L2608462-14	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	49	J/UJ	NEtFOSE
RI-SB-09_22-24	L2614269-03	N-Deuterioethylperfluoro-1-octanesulfonamide (D5-NEtFOSA)	15	J/UJ	NEtFOSA
RI-SB-09_22-24	L2614269-03	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	47	J/UJ	NEtFOSE
RI-SB-09_22-24	L2614269-03	N-Deuteriomethylperfluoro-1-octanesulfonamide (D3-NMeFOSA)	18	J/UJ	NMeFOSA
RI-SB-09_22-24	L2614269-03	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	48	J/UJ	NMeFOSE
RI-SB-09_22-24	L2614269-03	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	34	J/UJ	PFTeDA, PFTrDA
RI-SB-17_22-24	L2614269-05	N-Deuterioethylperfluoro-1-octanesulfonamide (D5-NEtFOSA)	17	J/UJ	NEtFOSA
RI-SB-17_22-24	L2614269-05	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	37	J/UJ	NEtFOSE
RI-SB-17_22-24	L2614269-05	N-Deuteriomethylperfluoro-1-octanesulfonamide (D3-NMeFOSA)	20	J/UJ	NMeFOSA
RI-SB-17_22-24	L2614269-05	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	40	J/UJ	NMeFOSE
RI-SB-17_22-24	L2614269-05	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	31	J/UJ	PFTeDA, PFTrDA
RI-SB-14_22-24	L2614269-07	N-Deuterioethylperfluoro-1-octanesulfonamide (D5-NEtFOSA)	17	J/UJ	NEtFOSA
RI-SB-14_22-24	L2614269-07	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	45	J/UJ	NEtFOSE
RI-SB-14_22-24	L2614269-07	N-Deuteriomethylperfluoro-1-octanesulfonamide (D3-NMeFOSA)	19	J/UJ	NMeFOSA
RI-SB-14_22-24	L2614269-07	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	49	J/UJ	NMeFOSE
RI-SB-14_22-24	L2614269-07	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	43	J/UJ	PFTeDA, PFTrDA
RI-SB-07_25-27	L2614269-09	N-Deuterioethylperfluoro-1-octanesulfonamide (D5-NEtFOSA)	21	J/UJ	NEtFOSA
RI-SB-07_25-27	L2614269-09	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	46	J/UJ	NEtFOSE
RI-SB-07_25-27	L2614269-09	N-Deuteriomethylperfluoro-1-octanesulfonamide (D3-NMeFOSA)	23	J/UJ	NMeFOSA
RI-SB-07_25-27	L2614269-09	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	49	J/UJ	NMeFOSE
RI-SB-07_27-29	L2614269-10	N-Deuterioethylperfluoro-1-octanesulfonamide (D5-NEtFOSA)	13	J/UJ	NEtFOSA
RI-SB-07_27-29	L2614269-10	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	32	J/UJ	NEtFOSE
RI-SB-07_27-29	L2614269-10	N-Deuteriomethylperfluoro-1-octanesulfonamide (D3-NMeFOSA)	16	J/UJ	NMeFOSA
RI-SB-07_27-29	L2614269-10	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	34	J/UJ	NMeFOSE

TABLE 10

EXTRACTION INTERNAL STANDARDS

ASTORIA COVE BUILDINGS 3A 3B

QUEENS, NY

Sample ID	Lab ID	Standard Name	%Recovery	Qualifier	Target analytes
RI-SB-07_27-29	L2614269-10	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	41	J/UJ	PFTeDA, PFTrDA
RI-SB-13_22-24	L2614269-11	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	45	J/UJ	NEtFOSE
RI-SB-13_22-24	L2614269-11	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	49	J/UJ	NMeFOSE
RI-SB-13_22-24	L2614269-11	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	40	J/UJ	PFTeDA, PFTrDA
DUP-01_20260316	L2614269-12	N-Deuterioethylperfluoro-1-octanesulfonamide (D5-NEtFOSA)	20	J/UJ	NEtFOSA
DUP-01_20260316	L2614269-12	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	41	J/UJ	NEtFOSE
DUP-01_20260316	L2614269-12	N-Deuteriomethylperfluoro-1-octanesulfonamide (D3-NMeFOSA)	23	J/UJ	NMeFOSA
DUP-01_20260316	L2614269-12	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	45	J/UJ	NMeFOSE
DUP-01_20260316	L2614269-12	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	25	J/UJ	PFTeDA, PFTrDA
RI-SB-15_22-24	L2614269-14	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	43	J/UJ	NEtFOSE
RI-SB-15_22-24	L2614269-14	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	45	J/UJ	NMeFOSE
RI-SB-15_22-24	L2614269-14	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	41	J/UJ	PFTeDA, PFTrDA
RI-SB-15_24-26	L2614269-15	N-Deuterioethylperfluoro-1-octanesulfonamide (D5-NEtFOSA)	18	J/UJ	NEtFOSA
RI-SB-15_24-26	L2614269-15	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	45	J/UJ	NEtFOSE
RI-SB-15_24-26	L2614269-15	N-Deuteriomethylperfluoro-1-octanesulfonamide (D3-NMeFOSA)	20	J/UJ	NMeFOSA
RI-SB-15_24-26	L2614269-15	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	47	J/UJ	NMeFOSE
RI-SB-15_24-26	L2614269-15	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	35	J/UJ	PFTeDA, PFTrDA

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2605921	SW6010D	Dry	RI-SB-01_0-2	L2605921-01	Antimony	Yes	U	UJ	MSD
L2605921	SW8270E	Dry	RI-SB-01_0-2	L2605921-01	Benzoic acid	Yes	U	R	LCS
L2605921	SW9012B	Dry	RI-SB-01_0-2	L2605921-01	Cyanide	Yes	U	UJ	LCS
L2605921	SW6010D	Dry	RI-SB-01_0-2	L2605921-01	Lead	Yes	149	149 J-	MSD
L2605921	E1633A	Dry	RI-SB-01_0-2	L2605921-01	N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-01_0-2	L2605921-01	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-01_0-2	L2605921-01	N-Methylperfluorooctane sulfonamide (N-MeFOSA)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-01_0-2	L2605921-01	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-01_0-2	L2605921-01	Perfluorododecane sulfonic acid (PFDoDS)	Yes	U	UJ	MSD
L2605921	E1633A	Dry	RI-SB-01_0-2	L2605921-01	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-01_0-2	L2605921-01	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2605921	SW6010D	Dry	RI-SB-01_0-2	L2605921-01	Zinc	Yes	129	129 J-	MSD
L2605921	SW6010D	Dry	RI-SB-01_2-4	L2605921-02	Antimony	Yes	U	UJ	MSD
L2605921	SW8270E	Dry	RI-SB-01_2-4	L2605921-02	Benzoic acid	Yes	U	R	LCS
L2605921	SW9012B	Dry	RI-SB-01_2-4	L2605921-02	Cyanide	Yes	U	UJ	LCS
L2605921	SW6010D	Dry	RI-SB-01_2-4	L2605921-02	Lead	Yes	38.2	38.2 J-	MSD
L2605921	E1633A	Dry	RI-SB-01_2-4	L2605921-02	N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-01_2-4	L2605921-02	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-01_2-4	L2605921-02	N-Methylperfluorooctane sulfonamide (N-MeFOSA)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-01_2-4	L2605921-02	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-01_2-4	L2605921-02	Perfluorododecane sulfonic acid (PFDoDS)	Yes	U	UJ	MSD
L2605921	E1633A	Dry	RI-SB-01_2-4	L2605921-02	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-01_2-4	L2605921-02	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2605921	SW6010D	Dry	RI-SB-01_2-4	L2605921-02	Zinc	Yes	39.9	39.9 J-	MSD
L2605921	SW6010D	Dry	RI-SB-01_10-12	L2605921-03	Antimony	Yes	U	UJ	MSD
L2605921	SW8270E	Dry	RI-SB-01_10-12	L2605921-03	Benzoic acid	Yes	U	R	LCS
L2605921	SW9012B	Dry	RI-SB-01_10-12	L2605921-03	Cyanide	Yes	U	UJ	LCS
L2605921	SW6010D	Dry	RI-SB-01_10-12	L2605921-03	Lead	Yes	3.99 J	3.99 J-	MSD
L2605921	E1633A	Dry	RI-SB-01_10-12	L2605921-03	N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	Yes	U	UJ	IDL

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2605921	E1633A	Dry	RI-SB-01_10-12	L2605921-03	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-01_10-12	L2605921-03	N-Methylperfluorooctane sulfonamide (N-MeFOSA)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-01_10-12	L2605921-03	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-01_10-12	L2605921-03	Perfluorododecane sulfonic acid (PFDoDS)	Yes	U	UJ	MSD
L2605921	E1633A	Dry	RI-SB-01_10-12	L2605921-03	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-01_10-12	L2605921-03	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2605921	SW6010D	Dry	RI-SB-01_10-12	L2605921-03	Zinc	Yes	26.3	26.3 J-	MSD
L2605921	SW6010D	Dry	RI-SB-12_0-2	L2605921-04	Antimony	Yes	U	UJ	MSD
L2605921	SW8270E	Dry	RI-SB-12_0-2	L2605921-04	Benzoic acid	Yes	U	R	LCS
L2605921	SW9012B	Dry	RI-SB-12_0-2	L2605921-04	Cyanide	Yes	U	UJ	LCS
L2605921	SW6010D	Dry	RI-SB-12_0-2	L2605921-04	Lead	Yes	17.5	17.5 J-	MSD
L2605921	E1633A	Dry	RI-SB-12_0-2	L2605921-04	N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-12_0-2	L2605921-04	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-12_0-2	L2605921-04	N-Methylperfluorooctane sulfonamide (N-MeFOSA)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-12_0-2	L2605921-04	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-12_0-2	L2605921-04	Perfluorododecane sulfonic acid (PFDoDS)	Yes	U	UJ	MSD
L2605921	E1633A	Dry	RI-SB-12_0-2	L2605921-04	Perfluorododecanoic acid (PFDoDA)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-12_0-2	L2605921-04	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-12_0-2	L2605921-04	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2605921	SW6010D	Dry	RI-SB-12_0-2	L2605921-04	Zinc	Yes	44.8	44.8 J-	MSD
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	1,1,1,2-Tetrachloroethane	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	1,1,1-Trichloroethane	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	1,1,2,2-Tetrachloroethane	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	1,1,2-Trichloroethane	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	1,1-Dichloroethane	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	1,1-Dichloroethene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	1,1-Dichloropropene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	1,2,3-Trichlorobenzene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	1,2,3-Trichloropropane	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	1,2,4,5-Tetramethylbenzene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	1,2,4-Trichlorobenzene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	1,2,4-Trimethylbenzene	No	U	U	ARA

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	1,2-Dibromo-3-chloropropane (DBCP)	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	1,2-Dibromoethane (Ethylene Dibromide)	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	1,2-Dichlorobenzene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	1,2-Dichloroethane	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	1,2-Dichloroethene (total)	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	1,2-Dichloropropane	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	1,3,5-Trimethylbenzene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	1,3-Dichlorobenzene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	1,3-Dichloropropane	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	1,3-Dichloropropene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	1,4-Dichlorobenzene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	1,4-Diethylbenzene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	1,4-Dioxane	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	2,2-Dichloropropane	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	2-Butanone (Methyl Ethyl Ketone)	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	2-Chlorotoluene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	2-Hexanone (Methyl Butyl Ketone)	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	2-Phenylbutane (sec-Butylbenzene)	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	4-Chlorotoluene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Acetone	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Acrylonitrile	No	U	U	ARA
L2605921	SW6010D	Dry	RI-SB-12_3-5	L2605921-05	Antimony	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Benzene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Bromobenzene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Bromodichloromethane	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Bromoform	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Bromomethane (Methyl Bromide)	No	U	U	ARA
L2605921	SW8270E	Dry	RI-SB-12_3-5	L2605921-05	Butyl benzylphthalate (BBP)	No	18000	18000	EXE
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Carbon disulfide	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Carbon tetrachloride	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Chlorobenzene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Chlorobromomethane	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Chloroethane	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Chloroform (Trichloromethane)	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Chloromethane (Methyl Chloride)	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	cis-1,2-Dichloroethene	No	U	U	ARA

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	cis-1,3-Dichloropropene	No	U	U	ARA
L2605921	SW9012B	Dry	RI-SB-12_3-5	L2605921-05	Cyanide	Yes	U	UJ	LCS
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Cymene (p-Isopropyltoluene)	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Dibromochloromethane	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Dibromomethane	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Dichlorodifluoromethane (CFC-12)	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Ethyl Ether	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Ethylbenzene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Hexachlorobutadiene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Isopropylbenzene (Cumene)	No	U	U	ARA
L2605921	SW6010D	Dry	RI-SB-12_3-5	L2605921-05	Lead	Yes	40.8	40.8 J-	MSD
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	m,p-Xylenes	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Methyl Tert Butyl Ether (MTBE)	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Methylene chloride (Dichloromethane)	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Naphthalene	No	100 J	100 J	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	n-Butylbenzene	No	U	U	ARA
L2605921	E1633A	Dry	RI-SB-12_3-5	L2605921-05	N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-12_3-5	L2605921-05	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-12_3-5	L2605921-05	N-Methylperfluorooctane sulfonamide (N-MeFOSA)	Yes	U	UJ	IDL
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	n-Propylbenzene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	o-Xylene	No	U	U	ARA
L2605921	E1633A	Dry	RI-SB-12_3-5	L2605921-05	Perfluorododecane sulfonic acid (PFDoDS)	Yes	U	UJ	MSD
L2605921	E1633A	Dry	RI-SB-12_3-5	L2605921-05	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-12_3-5	L2605921-05	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Styrene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	tert-Butylbenzene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Tetrachloroethene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Toluene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	trans-1,2-Dichloroethene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	trans-1,3-Dichloropropene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	trans-1,4-Dichloro-2-butene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Trichloroethene	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Trichlorofluoromethane (CFC-11)	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Vinyl acetate	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Vinyl chloride	No	U	U	ARA
L2605921	SW8260D	Dry	RI-SB-12_3-5	L2605921-05	Xylene (Total)	No	U	U	ARA
L2605921	SW6010D	Dry	RI-SB-12_3-5	L2605921-05	Zinc	Yes	83.3	83.3 J-	MSD

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2605921	SW6010D	Dry	RI-SB-12_10-12	L2605921-06	Antimony	Yes	U	UJ	MSD
L2605921	SW8270E	Dry	RI-SB-12_10-12	L2605921-06	Benzoic acid	Yes	U	R	LCS
L2605921	SW9012B	Dry	RI-SB-12_10-12	L2605921-06	Cyanide	Yes	U	UJ	LCS
L2605921	SW6010D	Dry	RI-SB-12_10-12	L2605921-06	Lead	Yes	5.64	5.64 J-	MSD
L2605921	E1633A	Dry	RI-SB-12_10-12	L2605921-06	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-12_10-12	L2605921-06	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-12_10-12	L2605921-06	Perfluorododecane sulfonic acid (PFDoDS)	Yes	U	UJ	MSD
L2605921	E1633A	Dry	RI-SB-12_10-12	L2605921-06	Perfluorohexanesulfonic acid (PFHxS)	Yes	0.059 J	0.202 U	MBK
L2605921	E1633A	Dry	RI-SB-12_10-12	L2605921-06	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-12_10-12	L2605921-06	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2605921	SW6010D	Dry	RI-SB-12_10-12	L2605921-06	Zinc	Yes	40.4	40.4 J-	MSD
L2605921	SW6010D	Dry	RI-SB-03_0-2	L2605921-07	Antimony	Yes	U	UJ	MSD
L2605921	SW8270E	Dry	RI-SB-03_0-2	L2605921-07	Benzoic acid	Yes	U	R	LCS
L2605921	SW9012B	Dry	RI-SB-03_0-2	L2605921-07	Cyanide	Yes	U	UJ	LCS
L2605921	SW6010D	Dry	RI-SB-03_0-2	L2605921-07	Lead	Yes	82.1	82.1 J-	MSD
L2605921	E1633A	Dry	RI-SB-03_0-2	L2605921-07	N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-03_0-2	L2605921-07	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-03_0-2	L2605921-07	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-03_0-2	L2605921-07	Perfluorododecane sulfonic acid (PFDoDS)	Yes	U	UJ	MSD
L2605921	E1633A	Dry	RI-SB-03_0-2	L2605921-07	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-03_0-2	L2605921-07	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2605921	SW6010D	Dry	RI-SB-03_0-2	L2605921-07	Zinc	Yes	61.2	61.2 J-	MSD
L2605921	SW6010D	Dry	RI-SB-03_3-5	L2605921-08	Antimony	Yes	U	UJ	MSD
L2605921	SW8270E	Dry	RI-SB-03_3-5	L2605921-08	Benzoic acid	Yes	U	R	LCS
L2605921	SW9012B	Dry	RI-SB-03_3-5	L2605921-08	Cyanide	Yes	U	UJ	LCS
L2605921	SW6010D	Dry	RI-SB-03_3-5	L2605921-08	Lead	Yes	5.33	5.33 J-	MSD
L2605921	E1633A	Dry	RI-SB-03_3-5	L2605921-08	N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-03_3-5	L2605921-08	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-03_3-5	L2605921-08	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-03_3-5	L2605921-08	Perfluorododecane sulfonic acid (PFDoDS)	Yes	U	UJ	MSD

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2605921	E1633A	Dry	RI-SB-03_3-5	L2605921-08	Perfluorohexanesulfonic acid (PFHxS)	Yes	0.056 J	0.199 U	MBK
L2605921	E1633A	Dry	RI-SB-03_3-5	L2605921-08	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-03_3-5	L2605921-08	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2605921	SW6010D	Dry	RI-SB-03_3-5	L2605921-08	Zinc	Yes	31.4	31.4 J-	MSD
L2605921	SW6010D	Dry	RI-SB-03_10-12	L2605921-09	Antimony	Yes	U	UJ	MSD
L2605921	SW8270E	Dry	RI-SB-03_10-12	L2605921-09	Benzoic acid	Yes	U	R	LCS
L2605921	SW9012B	Dry	RI-SB-03_10-12	L2605921-09	Cyanide	Yes	U	UJ	LCS
L2605921	SW6010D	Dry	RI-SB-03_10-12	L2605921-09	Lead	Yes	2.76 J	2.76 J-	MSD
L2605921	E1633A	Dry	RI-SB-03_10-12	L2605921-09	Perfluorododecane sulfonic acid (PFDoDS)	Yes	U	UJ	MSD
L2605921	SW6010D	Dry	RI-SB-03_10-12	L2605921-09	Zinc	Yes	17.3	17.3 J-	MSD
L2605921	SW6010D	Dry	RI-SB-16_0-2	L2605921-10	Antimony	Yes	U	UJ	MSD
L2605921	SW8270E	Dry	RI-SB-16_0-2	L2605921-10	Benzoic acid	Yes	U	R	LCS
L2605921	SW9012B	Dry	RI-SB-16_0-2	L2605921-10	Cyanide	Yes	U	UJ	LCS
L2605921	SW8270E	Dry	RI-SB-16_0-2	L2605921-10	Di-n-butylphthalate (DBP)	No	8000	8000	EXE
L2605921	SW6010D	Dry	RI-SB-16_0-2	L2605921-10	Lead	Yes	13	13 J-	MSD
L2605921	E1633A	Dry	RI-SB-16_0-2	L2605921-10	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-16_0-2	L2605921-10	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-16_0-2	L2605921-10	Perfluorododecane sulfonic acid (PFDoDS)	Yes	U	UJ	MSD
L2605921	E1633A	Dry	RI-SB-16_0-2	L2605921-10	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-16_0-2	L2605921-10	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2605921	SW6010D	Dry	RI-SB-16_0-2	L2605921-10	Zinc	Yes	37.1	37.1 J-	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	1,1,1,2-Tetrachloroethane	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	1,1,2,2-Tetrachloroethane	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	1,1,2-Trichloroethane	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	1,1-Dichloropropene	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	1,2,3-Trichlorobenzene	Yes	U	R	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	1,2,3-Trichloropropane	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	1,2,4,5-Tetramethylbenzene	Yes	U	R	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	1,2,4-Trichlorobenzene	Yes	U	R	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	1,2,4-Trimethylbenzene	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	1,2-Dibromo-3-chloropropane (DBCP)	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	1,2-Dibromoethane (Ethylene Dibromide)	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	1,2-Dichlorobenzene	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	1,2-Dichloroethane	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	1,2-Dichloropropane	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	1,3,5-Trimethylbenzene	Yes	U	UJ	MSD

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	1,3-Dichlorobenzene	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	1,3-Dichloropropane	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	1,4-Dichlorobenzene	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	1,4-Diethylbenzene	Yes	U	R	MSD
L2605921	SW8270E	Dry	RI-SB-16_3-5	L2605921-11	2,4-Dinitrophenol	Yes	U	R	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	2-Chlorotoluene	Yes	U	R	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	2-Hexanone (Methyl Butyl Ketone)	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	2-Phenylbutane (sec-Butylbenzene)	Yes	U	UJ	MSD
L2605921	SW8270E	Dry	RI-SB-16_3-5	L2605921-11	4,6-Dinitro-2-methylphenol	Yes	U	R	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	4-Chlorotoluene	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	Acetone	Yes	28	28 J	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	Acrylonitrile	Yes	U	UJ	MSD
L2605921	SW6010D	Dry	RI-SB-16_3-5	L2605921-11	Antimony	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	Benzene	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	Bromobenzene	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	Bromodichloromethane	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	Bromoform	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	Carbon disulfide	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	Carbon tetrachloride	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	Chlorobenzene	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	Chlorobromomethane	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	Chloroform (Trichloromethane)	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	cis-1,2-Dichloroethene	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	cis-1,3-Dichloropropene	Yes	U	UJ	MSD
L2605921	SW9012B	Dry	RI-SB-16_3-5	L2605921-11	Cyanide	Yes	U	UJ	LCS
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	Cymene (p-Isopropyltoluene)	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	Dibromochloromethane	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	Dibromomethane	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	Ethylbenzene	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	Hexachlorobutadiene	Yes	U	R	MSD
L2605921	SW8270E	Dry	RI-SB-16_3-5	L2605921-11	Hexachlorocyclopentadiene	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	Isopropylbenzene (Cumene)	Yes	U	UJ	MSD
L2605921	SW6010D	Dry	RI-SB-16_3-5	L2605921-11	Lead	Yes	74.8	74.8 J-	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	m,p-Xylenes	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	Methylene chloride (Dichloromethane)	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	Naphthalene	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	n-Butylbenzene	Yes	U	R	MSD

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2605921	E1633A	Dry	RI-SB-16_3-5	L2605921-11	N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-16_3-5	L2605921-11	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-16_3-5	L2605921-11	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	Yes	U	UJ	IDL
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	n-Propylbenzene	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	o-Xylene	Yes	U	UJ	MSD
L2605921	E1633A	Dry	RI-SB-16_3-5	L2605921-11	Perfluorododecane sulfonic acid (PFDoDS)	Yes	U	UJ	MSD
L2605921	E1633A	Dry	RI-SB-16_3-5	L2605921-11	Perfluorohexanesulfonic acid (PFHxS)	Yes	0.053 J	0.202 U	MBK
L2605921	E1633A	Dry	RI-SB-16_3-5	L2605921-11	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2605921	E1633A	Dry	RI-SB-16_3-5	L2605921-11	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	Styrene	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	tert-Butylbenzene	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	Tetrachloroethene	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	Toluene	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	trans-1,2-Dichloroethene	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	trans-1,3-Dichloropropene	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	trans-1,4-Dichloro-2-butene	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	Trichloroethene	Yes	U	UJ	MSD
L2605921	SW8260D	Dry	RI-SB-16_3-5	L2605921-11	Vinyl acetate	Yes	U	UJ	LCS,MSD
L2605921	SW6010D	Dry	RI-SB-16_3-5	L2605921-11	Zinc	Yes	106	106 J-	MSD
L2605921	SW6010D	Dry	RI-SB-16_10-12	L2605921-12	Antimony	Yes	U	UJ	MSD
L2605921	SW8270E	Dry	RI-SB-16_10-12	L2605921-12	Benzoic acid	Yes	U	R	LCS
L2605921	SW9012B	Dry	RI-SB-16_10-12	L2605921-12	Cyanide	Yes	U	UJ	LCS
L2605921	SW6010D	Dry	RI-SB-16_10-12	L2605921-12	Lead	Yes	4.83	4.83 J-	MSD
L2605921	E1633A	Dry	RI-SB-16_10-12	L2605921-12	Perfluorododecane sulfonic acid (PFDoDS)	Yes	U	UJ	MSD
L2605921	E1633A	Dry	RI-SB-16_10-12	L2605921-12	Perfluorooctanoic acid (PFOA)	Yes	0.076 J	0.199 U	MBK
L2605921	SW8260D	Dry	RI-SB-16_10-12	L2605921-12	Vinyl acetate	Yes	U	UJ	LCS
L2605921	SW6010D	Dry	RI-SB-16_10-12	L2605921-12	Zinc	Yes	28.1	28.1 J-	MSD
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	1,1,1,2-Tetrachloroethane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	1,1,1-Trichloroethane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	1,1,2,2-Tetrachloroethane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	1,1,2-Trichloroethane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	1,1-Dichloroethane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	1,1-Dichloroethene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	1,1-Dichloropropene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	1,2,3-Trichlorobenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	1,2,3-Trichloropropane	No	U	U	ARA

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	1,2,4,5-Tetramethylbenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	1,2,4-Trichlorobenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	1,2,4-Trimethylbenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	1,2-Dibromo-3-chloropropane (DBCP)	No	U	UJ	LCS,ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	1,2-Dibromoethane (Ethylene Dibromide)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	1,2-Dichlorobenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	1,2-Dichloroethane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	1,2-Dichloroethene (total)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	1,2-Dichloropropane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	1,3,5-Trimethylbenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	1,3-Dichlorobenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	1,3-Dichloropropane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	1,3-Dichloropropene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	1,4-Dichlorobenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	1,4-Diethylbenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	1,4-Dioxane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	2,2-Dichloropropane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	2-Butanone (Methyl Ethyl Ketone)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	2-Chlorotoluene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	2-Hexanone (Methyl Butyl Ketone)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	2-Phenylbutane (sec-Butylbenzene)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	4-Chlorotoluene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Acetone	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Acrylonitrile	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Benzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Bromobenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Bromodichloromethane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Bromoform	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Bromomethane (Methyl Bromide)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Carbon disulfide	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Carbon tetrachloride	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Chlorobenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Chlorobromomethane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Chloroethane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Chloroform (Trichloromethane)	No	17 J	75.0 U	MBK,ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Chloromethane (Methyl Chloride)	No	U	U	ARA

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	cis-1,2-Dichloroethene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	cis-1,3-Dichloropropene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Cymene (p-Isopropyltoluene)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Dibromochloromethane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Dibromomethane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Dichlorodifluoromethane (CFC-12)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Ethyl Ether	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Ethylbenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Hexachlorobutadiene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Isopropylbenzene (Cumene)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	m,p-Xylenes	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Methyl Tert Butyl Ether (MTBE)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Methylene chloride (Dichloromethane)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Naphthalene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	n-Butylbenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	n-Propylbenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	o-Xylene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Styrene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	tert-Butylbenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Tetrachloroethene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Toluene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	trans-1,2-Dichloroethene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	trans-1,3-Dichloropropene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	trans-1,4-Dichloro-2-butene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Trichloroethene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Trichlorofluoromethane (CFC-11)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Vinyl acetate	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Vinyl acetate	Yes	U	UJ	LCS
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Vinyl chloride	No	U	U	ARA
L2605921	SW8260D	Wet	TB-01-20260203	L2605921-13	Xylene (Total)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	1,1,1,2-Tetrachloroethane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	1,1,1-Trichloroethane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	1,1,2,2-Tetrachloroethane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	1,1,2-Trichloroethane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	1,1-Dichloroethane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	1,1-Dichloroethene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	1,1-Dichloropropene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	1,2,3-Trichlorobenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	1,2,3-Trichloropropane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	1,2,4,5-Tetramethylbenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	1,2,4-Trichlorobenzene	No	U	U	ARA

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	1,2,4-Trimethylbenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	1,2-Dibromo-3-chloropropane (DBCP)	No	U	UJ	LCS,ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	1,2-Dibromoethane (Ethylene Dibromide)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	1,2-Dichlorobenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	1,2-Dichloroethane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	1,2-Dichloroethene (total)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	1,2-Dichloropropane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	1,3,5-Trimethylbenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	1,3-Dichlorobenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	1,3-Dichloropropane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	1,3-Dichloropropene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	1,4-Dichlorobenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	1,4-Diethylbenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	1,4-Dioxane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	2,2-Dichloropropane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	2-Butanone (Methyl Ethyl Ketone)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	2-Chlorotoluene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	2-Hexanone (Methyl Butyl Ketone)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	2-Phenylbutane (sec-Butylbenzene)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	4-Chlorotoluene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Acetone	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Acrylonitrile	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Benzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Bromobenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Bromodichloromethane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Bromoform	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Bromomethane (Methyl Bromide)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Carbon disulfide	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Carbon tetrachloride	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Chlorobenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Chlorobromomethane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Chloroethane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Chloroform (Trichloromethane)	No	22 J	75.0 U	MBK,ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Chloromethane (Methyl Chloride)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	cis-1,2-Dichloroethene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	cis-1,3-Dichloropropene	No	U	U	ARA

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Cymene (p-Isopropyltoluene)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Dibromochloromethane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Dibromomethane	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Dichlorodifluoromethane (CFC-12)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Ethyl Ether	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Ethylbenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Hexachlorobutadiene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Isopropylbenzene (Cumene)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	m,p-Xylenes	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Methyl Tert Butyl Ether (MTBE)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Methylene chloride (Dichloromethane)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Naphthalene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	n-Butylbenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	n-Propylbenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	o-Xylene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Styrene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	tert-Butylbenzene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Tetrachloroethene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Toluene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	trans-1,2-Dichloroethene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	trans-1,3-Dichloropropene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	trans-1,4-Dichloro-2-butene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Trichloroethene	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Trichlorofluoromethane (CFC-11)	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Vinyl acetate	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Vinyl acetate	Yes	U	UJ	LCS
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Vinyl chloride	No	U	U	ARA
L2605921	SW8260D	Wet	TB-02-20260203	L2605921-14	Xylene (Total)	No	U	U	ARA
L2606227	SW8260D	Dry	RI-SB-08_0-2	L2606227-01	2-Hexanone (Methyl Butyl Ketone)	Yes	U	UJ	LCS
L2606227	SW8270E	Dry	RI-SB-08_0-2	L2606227-01	3,3'-Dichlorobenzidine	Yes	U	R	LCS
L2606227	SW8081B	Dry	RI-SB-08_0-2	L2606227-01	4,4'-DDT	Yes	2.71	2.71 J	CCR
L2606227	SW8270E	Dry	RI-SB-08_0-2	L2606227-01	4-Chloroaniline	Yes	U	R	LCS
L2606227	SW8081B	Dry	RI-SB-08_0-2	L2606227-01	alpha-Chlordane (cis)	Yes	9.3	9.3 J	CCR
L2606227	SW6010D	Dry	RI-SB-08_0-2	L2606227-01	Antimony	Yes	U	UJ	MSD
L2606227	SW6010D	Dry	RI-SB-08_0-2	L2606227-01	Arsenic	Yes	2.06	2.06 J-	MSD
L2606227	SW6010D	Dry	RI-SB-08_0-2	L2606227-01	Calcium	Yes	14500	14500 J+	MSD
L2606227	SW6010D	Dry	RI-SB-08_0-2	L2606227-01	Copper	Yes	35.1	35.1 J+	MSD
L2606227	SW9012B	Dry	RI-SB-08_0-2	L2606227-01	Cyanide	Yes	U	UJ	LCS
L2606227	SW6010D	Dry	RI-SB-08_0-2	L2606227-01	Lead	Yes	89	89 J+	MSD
L2606227	SW6010D	Dry	RI-SB-08_0-2	L2606227-01	Magnesium	Yes	8630	8630 J+	MSD

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2606227	E1633A	Dry	RI-SB-08_0-2	L2606227-01	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2606227	E1633A	Dry	RI-SB-08_0-2	L2606227-01	Perfluorooctanesulfonic acid (PFOS)	Yes	0.238	0.238 J	MSD
L2606227	E1633A	Dry	RI-SB-08_0-2	L2606227-01	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2606227	E1633A	Dry	RI-SB-08_0-2	L2606227-01	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2606227	SW8260D	Dry	RI-SB-08_0-2	L2606227-01	Vinyl acetate	Yes	U	UJ	LCS
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	1,1,1,2-Tetrachloroethane	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	1,1,1-Trichloroethane	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	1,1,2,2-Tetrachloroethane	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	1,1,2-Trichloroethane	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	1,1-Dichloroethane	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	1,1-Dichloroethene	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	1,1-Dichloropropene	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	1,2,3-Trichlorobenzene	Yes	U	R	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	1,2,3-Trichloropropane	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	1,2,4,5-Tetramethylbenzene	Yes	U	R	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	1,2,4-Trichlorobenzene	Yes	U	R	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	1,2,4-Trimethylbenzene	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	1,2-Dibromo-3-chloropropane (DBCP)	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	1,2-Dibromoethane (Ethylene Dibromide)	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	1,2-Dichlorobenzene	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	1,2-Dichloroethane	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	1,2-Dichloropropane	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	1,3,5-Trimethylbenzene	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	1,3-Dichlorobenzene	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	1,3-Dichloropropane	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	1,4-Dichlorobenzene	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	1,4-Diethylbenzene	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	2,2-Dichloropropane	Yes	U	UJ	MSD
L2606227	SW8270E	Dry	RI-SB-08_3-5	L2606227-02	2,4-Dinitrophenol	Yes	U	R	MSD
L2606227	SW8270E	Dry	RI-SB-08_3-5	L2606227-02	2,4-Dinitrotoluene	Yes	U	UJ	MSD
L2606227	SW8270E	Dry	RI-SB-08_3-5	L2606227-02	2,6-Dinitrotoluene	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	2-Butanone (Methyl Ethyl Ketone)	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	2-Chlorotoluene	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	2-Hexanone (Methyl Butyl Ketone)	Yes	U	UJ	LCS,MSD
L2606227	SW8270E	Dry	RI-SB-08_3-5	L2606227-02	2-Nitrophenol	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	2-Phenylbutane (sec-Butylbenzene)	Yes	U	UJ	MSD
L2606227	SW8270E	Dry	RI-SB-08_3-5	L2606227-02	3,3'-Dichlorobenzidine	Yes	U	R	LCS,MSD
L2606227	SW8270E	Dry	RI-SB-08_3-5	L2606227-02	4,6-Dinitro-2-methylphenol	Yes	U	R	MSD
L2606227	SW8270E	Dry	RI-SB-08_3-5	L2606227-02	4-Chloroaniline	Yes	U	R	LCS

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	4-Chlorotoluene	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Acetone	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Acrylonitrile	Yes	U	UJ	MSD
L2606227	SW6010D	Dry	RI-SB-08_3-5	L2606227-02	Antimony	Yes	U	UJ	MSD
L2606227	SW6010D	Dry	RI-SB-08_3-5	L2606227-02	Arsenic	Yes	8.96	8.96 J-	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Benzene	Yes	U	UJ	MSD
L2606227	SW8270E	Dry	RI-SB-08_3-5	L2606227-02	Benzo(a)anthracene	Yes	1500	1500 J	MSD
L2606227	SW8270E	Dry	RI-SB-08_3-5	L2606227-02	Benzo(a)pyrene	Yes	1400	1400 J	MSD
L2606227	SW8270E	Dry	RI-SB-08_3-5	L2606227-02	Benzo(b)fluoranthene	Yes	1800	1800 J	MSD
L2606227	SW8270E	Dry	RI-SB-08_3-5	L2606227-02	Benzo(g,h,i)perylene	Yes	880	880 J	MSD
L2606227	SW8270E	Dry	RI-SB-08_3-5	L2606227-02	Benzo(k)fluoranthene	Yes	480	480 J	MSD
L2606227	SW8270E	Dry	RI-SB-08_3-5	L2606227-02	Benzoic acid	Yes	U	R	MSD
L2606227	SW8270E	Dry	RI-SB-08_3-5	L2606227-02	bis(2-Chloroethyl)ether	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Bromobenzene	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Bromodichloromethane	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Bromoform	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Bromomethane (Methyl Bromide)	Yes	U	UJ	MSD
L2606227	SW6010D	Dry	RI-SB-08_3-5	L2606227-02	Calcium	Yes	2290	2290 J+	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Carbon disulfide	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Carbon tetrachloride	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Chlorobenzene	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Chlorobromomethane	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Chloroethane	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Chloroform (Trichloromethane)	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Chloromethane (Methyl Chloride)	Yes	U	UJ	MSD
L2606227	SW8270E	Dry	RI-SB-08_3-5	L2606227-02	Chrysene	Yes	1400	1400 J	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	cis-1,2-Dichloroethene	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	cis-1,3-Dichloropropene	Yes	U	UJ	MSD
L2606227	SW6010D	Dry	RI-SB-08_3-5	L2606227-02	Copper	Yes	22.5	22.5 J+	MSD
L2606227	SW9012B	Dry	RI-SB-08_3-5	L2606227-02	Cyanide	Yes	U	UJ	LCS
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Cymene (p-Isopropyltoluene)	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Dibromochloromethane	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Dibromomethane	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Ethyl Ether	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Ethylbenzene	Yes	U	UJ	MSD
L2606227	SW8270E	Dry	RI-SB-08_3-5	L2606227-02	Fluoranthene	Yes	2600	2600 J	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Hexachlorobutadiene	Yes	U	R	MSD

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2606227	SW8270E	Dry	RI-SB-08_3-5	L2606227-02	Hexachlorocyclopentadiene	Yes	U	UJ	MSD
L2606227	SW8270E	Dry	RI-SB-08_3-5	L2606227-02	Indeno(1,2,3-cd)pyrene	Yes	820	820 J	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Isopropylbenzene (Cumene)	Yes	U	UJ	MSD
L2606227	SW6010D	Dry	RI-SB-08_3-5	L2606227-02	Lead	Yes	56.5	56.5 J+	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	m,p-Xylenes	Yes	U	UJ	MSD
L2606227	SW6010D	Dry	RI-SB-08_3-5	L2606227-02	Magnesium	Yes	2580	2580 J+	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Methyl Tert Butyl Ether (MTBE)	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Methylene chloride (Dichloromethane)	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Naphthalene	Yes	U	R	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	n-Butylbenzene	Yes	U	UJ	MSD
L2606227	E1633A	Dry	RI-SB-08_3-5	L2606227-02	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	n-Propylbenzene	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	o-Xylene	Yes	U	UJ	MSD
L2606227	E1633A	Dry	RI-SB-08_3-5	L2606227-02	Perfluorooctanesulfonic acid (PFOS)	Yes	13.1	13.1 J	MSD
L2606227	SW8270E	Dry	RI-SB-08_3-5	L2606227-02	Phenanthrene	Yes	2000	2000 J	MSD
L2606227	SW8270E	Dry	RI-SB-08_3-5	L2606227-02	Pyrene	Yes	2500	2500 J	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Styrene	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	tert-Butylbenzene	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Tetrachloroethene	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Toluene	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	trans-1,2-Dichloroethene	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	trans-1,3-Dichloropropene	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	trans-1,4-Dichloro-2-butene	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Trichloroethene	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Trichlorofluoromethane (CFC-11)	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Vinyl acetate	Yes	U	UJ	LCS,MSD
L2606227	SW8260D	Dry	RI-SB-08_3-5	L2606227-02	Vinyl chloride	Yes	U	UJ	MSD
L2606227	SW8260D	Dry	RI-SB-08_10-12	L2606227-03	2-Hexanone (Methyl Butyl Ketone)	Yes	U	UJ	LCS
L2606227	SW8270E	Dry	RI-SB-08_10-12	L2606227-03	3,3'-Dichlorobenzidine	Yes	U	R	LCS
L2606227	SW8270E	Dry	RI-SB-08_10-12	L2606227-03	4-Chloroaniline	Yes	U	R	LCS
L2606227	SW6010D	Dry	RI-SB-08_10-12	L2606227-03	Antimony	Yes	U	UJ	MSD
L2606227	SW6010D	Dry	RI-SB-08_10-12	L2606227-03	Arsenic	Yes	2.04	2.04 J-	MSD
L2606227	SW6010D	Dry	RI-SB-08_10-12	L2606227-03	Calcium	Yes	854	854 J+	MSD
L2606227	SW6010D	Dry	RI-SB-08_10-12	L2606227-03	Copper	Yes	13.9	13.9 J+	MSD
L2606227	SW9012B	Dry	RI-SB-08_10-12	L2606227-03	Cyanide	Yes	U	UJ	LCS
L2606227	SW6010D	Dry	RI-SB-08_10-12	L2606227-03	Lead	Yes	4.67	4.67 J+	MSD
L2606227	SW6010D	Dry	RI-SB-08_10-12	L2606227-03	Magnesium	Yes	3150	3150 J+	MSD
L2606227	E1633A	Dry	RI-SB-08_10-12	L2606227-03	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2606227	E1633A	Dry	RI-SB-08_10-12	L2606227-03	Perfluorooctanesulfonic acid (PFOS)	Yes	4.52	4.52 J	MSD

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2606227	E1633A	Dry	RI-SB-08_10-12	L2606227-03	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2606227	E1633A	Dry	RI-SB-08_10-12	L2606227-03	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2606227	SW8260D	Dry	RI-SB-08_10-12	L2606227-03	Vinyl acetate	Yes	U	UJ	LCS
L2606227	SW8260D	Dry	B-15_D_0-2	L2606227-04	2-Hexanone (Methyl Butyl Ketone)	Yes	U	UJ	LCS
L2606227	SW8270E	Dry	B-15_D_0-2	L2606227-04	3,3'-Dichlorobenzidine	Yes	U	R	LCS
L2606227	SW8270E	Dry	B-15_D_0-2	L2606227-04	4-Chloroaniline	Yes	U	R	LCS
L2606227	SW6010D	Dry	B-15_D_0-2	L2606227-04	Antimony	Yes	U	UJ	MSD
L2606227	SW6010D	Dry	B-15_D_0-2	L2606227-04	Arsenic	Yes	7.01	7.01 J-	MSD
L2606227	SW6010D	Dry	B-15_D_0-2	L2606227-04	Barium	Yes	173	173 J	FDP
L2606227	SW6010D	Dry	B-15_D_0-2	L2606227-04	Calcium	Yes	11600	11600 J+	MSD
L2606227	SW6010D	Dry	B-15_D_0-2	L2606227-04	Chromium	Yes	25.7	25.7 J	FDP
L2606227	SW6010D	Dry	B-15_D_0-2	L2606227-04	Copper	Yes	152	152 J+	MSD
L2606227	SW9012B	Dry	B-15_D_0-2	L2606227-04	Cyanide	Yes	U	UJ	LCS
L2606227	SW8081B	Dry	B-15_D_0-2	L2606227-04	gamma-Chlordane (trans)	Yes	1 J	1 J	CCR
L2606227	SW6010D	Dry	B-15_D_0-2	L2606227-04	Lead	Yes	528	528 J+	FDP,MSD
L2606227	SW6010D	Dry	B-15_D_0-2	L2606227-04	Magnesium	Yes	6540	6540 J+	MSD
L2606227	SW7471B	Dry	B-15_D_0-2	L2606227-04	Mercury	Yes	4.93	4.93 J	FDP
L2606227	SW8260D	Dry	B-15_D_0-2	L2606227-04	Naphthalene	Yes	U	UJ	FDP
L2606227	E1633A	Dry	B-15_D_0-2	L2606227-04	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2606227	E1633A	Dry	B-15_D_0-2	L2606227-04	Perfluorooctanesulfonic acid (PFOS)	Yes	2.01	2.01 J	MSD
L2606227	SW6010D	Dry	B-15_D_0-2	L2606227-04	Potassium	Yes	949	949 J	FDP
L2606227	SW8260D	Dry	B-15_D_0-2	L2606227-04	Vinyl acetate	Yes	U	UJ	LCS
L2606227	SW8260D	Dry	DUP-01_20250204	L2606227-05	2-Hexanone (Methyl Butyl Ketone)	Yes	U	UJ	LCS
L2606227	SW8270E	Dry	DUP-01_20250204	L2606227-05	3,3'-Dichlorobenzidine	Yes	U	R	LCS
L2606227	SW8270E	Dry	DUP-01_20250204	L2606227-05	4-Chloroaniline	Yes	U	R	LCS
L2606227	SW6010D	Dry	DUP-01_20250204	L2606227-05	Antimony	Yes	U	UJ	MSD
L2606227	SW6010D	Dry	DUP-01_20250204	L2606227-05	Arsenic	Yes	7.08	7.08 J-	MSD
L2606227	SW6010D	Dry	DUP-01_20250204	L2606227-05	Barium	Yes	62.9	62.9 J	FDP
L2606227	SW6010D	Dry	DUP-01_20250204	L2606227-05	Calcium	Yes	19400	19400 J+	MSD
L2606227	SW6010D	Dry	DUP-01_20250204	L2606227-05	Chromium	Yes	54.9	54.9 J	FDP
L2606227	SW6010D	Dry	DUP-01_20250204	L2606227-05	Copper	Yes	229	229 J+	MSD
L2606227	SW9012B	Dry	DUP-01_20250204	L2606227-05	Cyanide	Yes	U	UJ	LCS
L2606227	SW6010D	Dry	DUP-01_20250204	L2606227-05	Lead	Yes	314	314 J+	FDP,MSD
L2606227	SW6010D	Dry	DUP-01_20250204	L2606227-05	Magnesium	Yes	10300	10300 J+	MSD
L2606227	SW7471B	Dry	DUP-01_20250204	L2606227-05	Mercury	Yes	0.333	0.333 J	FDP
L2606227	SW8260D	Dry	DUP-01_20250204	L2606227-05	Naphthalene	Yes	20	20 J	FDP
L2606227	E1633A	Dry	DUP-01_20250204	L2606227-05	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2606227	E1633A	Dry	DUP-01_20250204	L2606227-05	Perfluorooctanesulfonic acid (PFOS)	Yes	2.94	2.94 J	MSD
L2606227	SW6010D	Dry	DUP-01_20250204	L2606227-05	Potassium	Yes	537	537 J	FDP

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2606227	SW8260D	Dry	DUP-01_20250204	L2606227-05	Vinyl acetate	Yes	U	UJ	LCS
L2606227	SW8260D	Dry	B-15_D_2-4	L2606227-06	2-Hexanone (Methyl Butyl Ketone)	Yes	U	UJ	LCS
L2606227	SW8270E	Dry	B-15_D_2-4	L2606227-06	3,3'-Dichlorobenzidine	Yes	U	R	LCS
L2606227	SW8270E	Dry	B-15_D_2-4	L2606227-06	4-Chloroaniline	Yes	U	R	LCS
L2606227	SW6010D	Dry	B-15_D_2-4	L2606227-06	Antimony	Yes	U	UJ	MSD
L2606227	SW6010D	Dry	B-15_D_2-4	L2606227-06	Arsenic	Yes	2.31	2.31 J-	MSD
L2606227	SW6010D	Dry	B-15_D_2-4	L2606227-06	Calcium	Yes	902	902 J+	MSD
L2606227	SW6010D	Dry	B-15_D_2-4	L2606227-06	Copper	Yes	6.43	6.43 J+	MSD
L2606227	SW9012B	Dry	B-15_D_2-4	L2606227-06	Cyanide	Yes	U	UJ	LCS
L2606227	SW6010D	Dry	B-15_D_2-4	L2606227-06	Lead	Yes	21.3	21.3 J+	MSD
L2606227	SW6010D	Dry	B-15_D_2-4	L2606227-06	Magnesium	Yes	1820	1820 J+	MSD
L2606227	E1633A	Dry	B-15_D_2-4	L2606227-06	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2606227	E1633A	Dry	B-15_D_2-4	L2606227-06	Perfluorooctanesulfonic acid (PFOS)	Yes	1.7	1.7 J	MSD
L2606227	E1633A	Dry	B-15_D_2-4	L2606227-06	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2606227	E1633A	Dry	B-15_D_2-4	L2606227-06	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2606227	SW8260D	Dry	B-15_D_2-4	L2606227-06	Vinyl acetate	Yes	U	UJ	LCS
L2606227	SW8260D	Dry	B-15_D_10-12	L2606227-07	2-Hexanone (Methyl Butyl Ketone)	Yes	U	UJ	LCS
L2606227	SW8270E	Dry	B-15_D_10-12	L2606227-07	3,3'-Dichlorobenzidine	Yes	U	R	LCS
L2606227	SW8270E	Dry	B-15_D_10-12	L2606227-07	4-Chloroaniline	Yes	U	R	LCS
L2606227	SW6010D	Dry	B-15_D_10-12	L2606227-07	Antimony	Yes	U	UJ	MSD
L2606227	SW6010D	Dry	B-15_D_10-12	L2606227-07	Arsenic	Yes	1.72	1.72 J-	MSD
L2606227	SW6010D	Dry	B-15_D_10-12	L2606227-07	Calcium	Yes	979	979 J+	MSD
L2606227	SW6010D	Dry	B-15_D_10-12	L2606227-07	Copper	Yes	9.9	9.9 J+	MSD
L2606227	SW9012B	Dry	B-15_D_10-12	L2606227-07	Cyanide	Yes	U	UJ	LCS
L2606227	SW6010D	Dry	B-15_D_10-12	L2606227-07	Lead	Yes	5.01	5.01 J+	MSD
L2606227	SW6010D	Dry	B-15_D_10-12	L2606227-07	Magnesium	Yes	1960	1960 J+	MSD
L2606227	E1633A	Dry	B-15_D_10-12	L2606227-07	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2606227	E1633A	Dry	B-15_D_10-12	L2606227-07	Perfluorooctanesulfonic acid (PFOS)	Yes	0.868	0.868 J	MSD
L2606227	E1633A	Dry	B-15_D_10-12	L2606227-07	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2606227	E1633A	Dry	B-15_D_10-12	L2606227-07	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2606227	SW8260D	Dry	B-15_D_10-12	L2606227-07	Vinyl acetate	Yes	U	UJ	LCS
L2606227	SW8260D	Dry	RI-SB-10_0-2	L2606227-08	2-Hexanone (Methyl Butyl Ketone)	Yes	U	UJ	LCS
L2606227	SW8270E	Dry	RI-SB-10_0-2	L2606227-08	3,3'-Dichlorobenzidine	Yes	U	R	LCS
L2606227	SW8270E	Dry	RI-SB-10_0-2	L2606227-08	4-Chloroaniline	Yes	U	R	LCS
L2606227	SW6010D	Dry	RI-SB-10_0-2	L2606227-08	Antimony	Yes	U	UJ	MSD
L2606227	SW6010D	Dry	RI-SB-10_0-2	L2606227-08	Arsenic	Yes	3.45	3.45 J-	MSD
L2606227	SW6010D	Dry	RI-SB-10_0-2	L2606227-08	Calcium	Yes	4460	4460 J+	MSD
L2606227	SW6010D	Dry	RI-SB-10_0-2	L2606227-08	Copper	Yes	7.19	7.19 J+	MSD
L2606227	SW9012B	Dry	RI-SB-10_0-2	L2606227-08	Cyanide	Yes	U	UJ	LCS

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2606227	SW6010D	Dry	RI-SB-10_0-2	L2606227-08	Lead	Yes	8.98	8.98 J+	MSD
L2606227	SW6010D	Dry	RI-SB-10_0-2	L2606227-08	Magnesium	Yes	1660	1660 J+	MSD
L2606227	E1633A	Dry	RI-SB-10_0-2	L2606227-08	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2606227	E1633A	Dry	RI-SB-10_0-2	L2606227-08	Perfluorooctanesulfonic acid (PFOS)	Yes	0.14 J	0.14 J	ION,MSD
L2606227	E1633A	Dry	RI-SB-10_0-2	L2606227-08	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2606227	E1633A	Dry	RI-SB-10_0-2	L2606227-08	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2606227	SW8260D	Dry	RI-SB-10_0-2	L2606227-08	Vinyl acetate	Yes	U	UJ	LCS
L2606227	SW8260D	Dry	RI-SB-10_2-4	L2606227-09	2-Hexanone (Methyl Butyl Ketone)	Yes	U	UJ	LCS
L2606227	SW8270E	Dry	RI-SB-10_2-4	L2606227-09	3,3'-Dichlorobenzidine	Yes	U	R	LCS
L2606227	SW8270E	Dry	RI-SB-10_2-4	L2606227-09	4-Chloroaniline	Yes	U	R	LCS
L2606227	SW6010D	Dry	RI-SB-10_2-4	L2606227-09	Antimony	Yes	U	UJ	MSD
L2606227	SW6010D	Dry	RI-SB-10_2-4	L2606227-09	Arsenic	Yes	5.11	5.11 J-	MSD
L2606227	SW6010D	Dry	RI-SB-10_2-4	L2606227-09	Calcium	Yes	5380	5380 J+	MSD
L2606227	SW6010D	Dry	RI-SB-10_2-4	L2606227-09	Copper	Yes	12.6	12.6 J+	MSD
L2606227	SW9012B	Dry	RI-SB-10_2-4	L2606227-09	Cyanide	Yes	U	UJ	LCS
L2606227	SW6010D	Dry	RI-SB-10_2-4	L2606227-09	Lead	Yes	29.6	29.6 J+	MSD
L2606227	SW6010D	Dry	RI-SB-10_2-4	L2606227-09	Magnesium	Yes	1230	1230 J+	MSD
L2606227	E1633A	Dry	RI-SB-10_2-4	L2606227-09	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2606227	E1633A	Dry	RI-SB-10_2-4	L2606227-09	Perfluorooctanesulfonic acid (PFOS)	Yes	0.378	0.378 J	MSD
L2606227	SW8260D	Dry	RI-SB-10_2-4	L2606227-09	Vinyl acetate	Yes	U	UJ	LCS
L2606227	SW8260D	Dry	RI-SB-10_10-12	L2606227-10	2-Hexanone (Methyl Butyl Ketone)	Yes	U	UJ	LCS
L2606227	SW8270E	Dry	RI-SB-10_10-12	L2606227-10	3,3'-Dichlorobenzidine	Yes	U	R	LCS
L2606227	SW8270E	Dry	RI-SB-10_10-12	L2606227-10	4-Chloroaniline	Yes	U	R	LCS
L2606227	SW6010D	Dry	RI-SB-10_10-12	L2606227-10	Antimony	Yes	U	UJ	MSD
L2606227	SW6010D	Dry	RI-SB-10_10-12	L2606227-10	Arsenic	Yes	2.32	2.32 J-	MSD
L2606227	SW6010D	Dry	RI-SB-10_10-12	L2606227-10	Calcium	Yes	1540	1540 J+	MSD
L2606227	SW6010D	Dry	RI-SB-10_10-12	L2606227-10	Copper	Yes	10.2	10.2 J+	MSD
L2606227	SW9012B	Dry	RI-SB-10_10-12	L2606227-10	Cyanide	Yes	U	UJ	LCS
L2606227	SW6010D	Dry	RI-SB-10_10-12	L2606227-10	Lead	Yes	5.48	5.48 J+	MSD
L2606227	SW6010D	Dry	RI-SB-10_10-12	L2606227-10	Magnesium	Yes	1720	1720 J+	MSD
L2606227	E1633A	Dry	RI-SB-10_10-12	L2606227-10	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2606227	E1633A	Dry	RI-SB-10_10-12	L2606227-10	Perfluorooctanesulfonic acid (PFOS)	Yes	7.11	7.11 J	MSD
L2606227	SW8260D	Dry	RI-SB-10_10-12	L2606227-10	Vinyl acetate	Yes	U	UJ	LCS
L2606227	SW8260D	Dry	RI-SB-04_0-2	L2606227-11	2-Hexanone (Methyl Butyl Ketone)	Yes	U	UJ	LCS
L2606227	SW8270E	Dry	RI-SB-04_0-2	L2606227-11	3,3'-Dichlorobenzidine	Yes	U	R	LCS
L2606227	SW8081B	Dry	RI-SB-04_0-2	L2606227-11	4,4'-DDD	Yes	1.86	1.86 J	CCR
L2606227	SW8270E	Dry	RI-SB-04_0-2	L2606227-11	4-Chloroaniline	Yes	U	R	LCS
L2606227	SW8081B	Dry	RI-SB-04_0-2	L2606227-11	alpha-Chlordane (cis)	Yes	3.42	3.42 J	CCR

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2606227	SW6010D	Dry	RI-SB-04_0-2	L2606227-11	Antimony	Yes	U	UJ	MSD
L2606227	SW6010D	Dry	RI-SB-04_0-2	L2606227-11	Arsenic	Yes	4.11	4.11 J-	MSD
L2606227	SW6010D	Dry	RI-SB-04_0-2	L2606227-11	Calcium	Yes	9770	9770 J+	MSD
L2606227	SW6010D	Dry	RI-SB-04_0-2	L2606227-11	Copper	Yes	41.9	41.9 J+	MSD
L2606227	SW9012B	Dry	RI-SB-04_0-2	L2606227-11	Cyanide	Yes	U	UJ	LCS
L2606227	SW6010D	Dry	RI-SB-04_0-2	L2606227-11	Lead	Yes	100	100 J+	MSD
L2606227	SW6010D	Dry	RI-SB-04_0-2	L2606227-11	Magnesium	Yes	6690	6690 J+	MSD
L2606227	E1633A	Dry	RI-SB-04_0-2	L2606227-11	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2606227	E1633A	Dry	RI-SB-04_0-2	L2606227-11	Perfluorooctanesulfonic acid (PFOS)	Yes	0.435	0.435 J	MSD
L2606227	SW8260D	Dry	RI-SB-04_0-2	L2606227-11	Vinyl acetate	Yes	U	UJ	LCS
L2606227	SW8260D	Dry	RI-SB-04_10-12	L2606227-12	2-Hexanone (Methyl Butyl Ketone)	Yes	U	UJ	LCS
L2606227	SW8270E	Dry	RI-SB-04_10-12	L2606227-12	3,3'-Dichlorobenzidine	Yes	U	R	LCS
L2606227	SW8270E	Dry	RI-SB-04_10-12	L2606227-12	4-Chloroaniline	Yes	U	R	LCS
L2606227	SW6010D	Dry	RI-SB-04_10-12	L2606227-12	Antimony	Yes	U	UJ	MSD
L2606227	SW6010D	Dry	RI-SB-04_10-12	L2606227-12	Arsenic	Yes	11	11 J-	MSD
L2606227	SW8270E	Dry	RI-SB-04_10-12	L2606227-12	Benzo(a)anthracene	Yes	240	240 J	FDP
L2606227	SW8270E	Dry	RI-SB-04_10-12	L2606227-12	Benzo(b)fluoranthene	Yes	270	270 J	FDP
L2606227	SW6010D	Dry	RI-SB-04_10-12	L2606227-12	Cadmium	Yes	3.99	3.99 J	FDP
L2606227	SW6010D	Dry	RI-SB-04_10-12	L2606227-12	Calcium	Yes	2930	2930 J+	FDP,MSD
L2606227	SW8270E	Dry	RI-SB-04_10-12	L2606227-12	Chrysene	Yes	240	240 J	FDP
L2606227	SW6010D	Dry	RI-SB-04_10-12	L2606227-12	Cobalt	Yes	10	10 J	FDP
L2606227	SW6010D	Dry	RI-SB-04_10-12	L2606227-12	Copper	Yes	126	126 J+	MSD
L2606227	SW9012B	Dry	RI-SB-04_10-12	L2606227-12	Cyanide	Yes	U	UJ	LCS
L2606227	SW8270E	Dry	RI-SB-04_10-12	L2606227-12	Fluoranthene	Yes	440	440 J	FDP
L2606227	SW6010D	Dry	RI-SB-04_10-12	L2606227-12	Iron	Yes	45600	45600 J	FDP
L2606227	SW6010D	Dry	RI-SB-04_10-12	L2606227-12	Lead	Yes	152	152 J+	MSD
L2606227	SW6010D	Dry	RI-SB-04_10-12	L2606227-12	Magnesium	Yes	2580	2580 J+	FDP,MSD
L2606227	E1633A	Dry	RI-SB-04_10-12	L2606227-12	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2606227	E1633A	Dry	RI-SB-04_10-12	L2606227-12	Perfluorohexanoic acid (PFHxA)	Yes	0.904	0.904 J	FDP
L2606227	E1633A	Dry	RI-SB-04_10-12	L2606227-12	Perfluorooctanesulfonic acid (PFOS)	Yes	0.358	0.358 J	MSD
L2606227	E1633A	Dry	RI-SB-04_10-12	L2606227-12	Perfluorooctanoic acid (PFOA)	Yes	1.6	1.6 J	FDP
L2606227	E1633A	Dry	RI-SB-04_10-12	L2606227-12	Perfluoropentanoic acid (PFPeA)	Yes	1.08	1.08 J	FDP
L2606227	E1633A	Dry	RI-SB-04_10-12	L2606227-12	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2606227	E1633A	Dry	RI-SB-04_10-12	L2606227-12	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2606227	SW8270E	Dry	RI-SB-04_10-12	L2606227-12	Phenanthrene	Yes	320	320 J	FDP
L2606227	SW8270E	Dry	RI-SB-04_10-12	L2606227-12	Pyrene	Yes	420	420 J	FDP
L2606227	SW6010D	Dry	RI-SB-04_10-12	L2606227-12	Selenium	Yes	0.593 J	2.07 U	MBK
L2606227	SW8260D	Dry	RI-SB-04_10-12	L2606227-12	Vinyl acetate	Yes	U	UJ	LCS
L2606227	SW8260D	Dry	DUP-02_20260204	L2606227-13	2-Hexanone (Methyl Butyl Ketone)	Yes	U	UJ	LCS

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2606227	SW8270E	Dry	DUP-02_20260204	L2606227-13	3,3'-Dichlorobenzidine	Yes	U	R	LCS
L2606227	SW8270E	Dry	DUP-02_20260204	L2606227-13	4-Chloroaniline	Yes	U	R	LCS
L2606227	SW6010D	Dry	DUP-02_20260204	L2606227-13	Antimony	Yes	U	UJ	MSD
L2606227	SW6010D	Dry	DUP-02_20260204	L2606227-13	Arsenic	Yes	8.61	8.61 J-	MSD
L2606227	SW8270E	Dry	DUP-02_20260204	L2606227-13	Benzo(a)anthracene	Yes	42 J	42 J	FDP
L2606227	SW8270E	Dry	DUP-02_20260204	L2606227-13	Benzo(b)fluoranthene	Yes	42 J	42 J	FDP
L2606227	SW6010D	Dry	DUP-02_20260204	L2606227-13	Cadmium	Yes	1.58	1.58 J	FDP
L2606227	SW6010D	Dry	DUP-02_20260204	L2606227-13	Calcium	Yes	26000	26000 J+	FDP,MSD
L2606227	SW8270E	Dry	DUP-02_20260204	L2606227-13	Chrysene	Yes	34 J	34 J	FDP
L2606227	SW6010D	Dry	DUP-02_20260204	L2606227-13	Cobalt	Yes	7.09	7.09 J	FDP
L2606227	SW6010D	Dry	DUP-02_20260204	L2606227-13	Copper	Yes	94.2	94.2 J+	MSD
L2606227	SW9012B	Dry	DUP-02_20260204	L2606227-13	Cyanide	Yes	U	UJ	LCS
L2606227	SW8270E	Dry	DUP-02_20260204	L2606227-13	Fluoranthene	Yes	72 J	72 J	FDP
L2606227	SW6010D	Dry	DUP-02_20260204	L2606227-13	Iron	Yes	22900	22900 J	FDP
L2606227	SW6010D	Dry	DUP-02_20260204	L2606227-13	Lead	Yes	108	108 J+	MSD
L2606227	SW6010D	Dry	DUP-02_20260204	L2606227-13	Magnesium	Yes	16600	16600 J+	FDP,MSD
L2606227	E1633A	Dry	DUP-02_20260204	L2606227-13	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2606227	E1633A	Dry	DUP-02_20260204	L2606227-13	Perfluorohexanoic acid (PFHxA)	Yes	0.588	0.588 J	FDP
L2606227	E1633A	Dry	DUP-02_20260204	L2606227-13	Perfluorooctanesulfonic acid (PFOS)	Yes	0.183 J	0.183 J	MSD
L2606227	E1633A	Dry	DUP-02_20260204	L2606227-13	Perfluorooctanoic acid (PFOA)	Yes	0.872	0.872 J	FDP
L2606227	E1633A	Dry	DUP-02_20260204	L2606227-13	Perfluoropentanoic acid (PFPeA)	Yes	0.63	0.63 J	FDP
L2606227	SW8270E	Dry	DUP-02_20260204	L2606227-13	Phenanthrene	Yes	31 J	31 J	FDP
L2606227	SW8270E	Dry	DUP-02_20260204	L2606227-13	Pyrene	Yes	67 J	67 J	FDP
L2606227	SW6010D	Dry	DUP-02_20260204	L2606227-13	Selenium	Yes	0.611 J	1.8 U	MBK
L2606227	SW8260D	Dry	DUP-02_20260204	L2606227-13	Vinyl acetate	Yes	U	UJ	LCS
L2606227	SW8260D	Dry	RI-SB-04_18-20	L2606227-14	2-Hexanone (Methyl Butyl Ketone)	Yes	U	UJ	LCS
L2606227	SW8270E	Dry	RI-SB-04_18-20	L2606227-14	3,3'-Dichlorobenzidine	Yes	U	R	LCS
L2606227	SW8270E	Dry	RI-SB-04_18-20	L2606227-14	4-Chloroaniline	Yes	U	R	LCS
L2606227	SW6010D	Dry	RI-SB-04_18-20	L2606227-14	Antimony	Yes	U	UJ	MSD
L2606227	SW6010D	Dry	RI-SB-04_18-20	L2606227-14	Arsenic	Yes	0.614 J	0.614 J-	MSD
L2606227	SW6010D	Dry	RI-SB-04_18-20	L2606227-14	Calcium	Yes	3660	3660 J+	MSD
L2606227	SW6010D	Dry	RI-SB-04_18-20	L2606227-14	Copper	Yes	17.5	17.5 J+	MSD
L2606227	SW9012B	Dry	RI-SB-04_18-20	L2606227-14	Cyanide	Yes	U	UJ	LCS
L2606227	SW6010D	Dry	RI-SB-04_18-20	L2606227-14	Lead	Yes	11.1	11.1 J+	MSD
L2606227	SW6010D	Dry	RI-SB-04_18-20	L2606227-14	Magnesium	Yes	5680	5680 J+	MSD
L2606227	E1633A	Dry	RI-SB-04_18-20	L2606227-14	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2606227	E1633A	Dry	RI-SB-04_18-20	L2606227-14	Perfluorooctanesulfonic acid (PFOS)	Yes	0.232	0.232 J	MSD
L2606227	SW8260D	Dry	RI-SB-04_18-20	L2606227-14	Vinyl acetate	Yes	U	UJ	LCS
L2606227	SW8260D	Wet	TB-01_20260204	L2606227-15	2-Hexanone (Methyl Butyl Ketone)	Yes	U	UJ	LCS

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2606227	SW8260D	Wet	TB-01_20260204	L2606227-15	Vinyl acetate	Yes	U	UJ	LCS
L2606227	SW8260D	Wet	TB-02_20260204	L2606227-16	2-Hexanone (Methyl Butyl Ketone)	Yes	U	UJ	LCS
L2606227	SW8260D	Wet	TB-02_20260204	L2606227-16	Vinyl acetate	Yes	U	UJ	LCS
L2606227	SW8260D	NA	FB-02_20260204	L2606227-17	Naphthalene	Yes	U	UJ	LCS
L2606227	SW8260D	NA	FB-02_20260204	L2606227-17	trans-1,4-Dichloro-2-butene	Yes	U	UJ	LCS
L2606574	E1633A	Dry	RI-SB-07_0-2	L2606574-01	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	Yes	U	UJ	LCS
L2606574	SW6010D	Dry	RI-SB-07_0-2	L2606574-01	Antimony	Yes	U	UJ	MSD
L2606574	SW6010D	Dry	RI-SB-07_0-2	L2606574-01	Arsenic	Yes	2.54	2.54 J-	MSD
L2606574	SW6010D	Dry	RI-SB-07_0-2	L2606574-01	Chromium	Yes	22	22 J-	MSD
L2606574	SW6010D	Dry	RI-SB-07_0-2	L2606574-01	Copper	Yes	29.6	29.6 J-	MSD
L2606574	SW9012B	Dry	RI-SB-07_0-2	L2606574-01	Cyanide	Yes	6.4	6.4 J-	LCS
L2606574	SW8081B	Dry	RI-SB-07_0-2	L2606574-01	gamma-Chlordane (trans)	Yes	2.38	2.38 J	CCR
L2606574	SW6010D	Dry	RI-SB-07_0-2	L2606574-01	Lead	Yes	57.4	57.4 J-	MSD
L2606574	E1633A	Dry	RI-SB-07_0-2	L2606574-01	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ,MSD
L2606574	E1633A	Dry	RI-SB-07_0-2	L2606574-01	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2606574	E1633A	Dry	RI-SB-07_0-2	L2606574-01	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2606574	SW6010D	Dry	RI-SB-07_0-2	L2606574-01	Potassium	Yes	2050	2050 J-	MSD
L2606574	SW6010D	Dry	RI-SB-07_0-2	L2606574-01	Sodium	Yes	126 J	126 J+	MSD
L2606574	SW6010D	Dry	RI-SB-07_0-2	L2606574-01	Vanadium	Yes	26.7	26.7 J-	MSD
L2606574	SW6010D	Dry	RI-SB-07_0-2	L2606574-01	Zinc	Yes	81.9	81.9 J-	MSD
L2606574	E1633A	Dry	RI-SB-07_10-12	L2606574-02	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	Yes	U	UJ	LCS
L2606574	SW6010D	Dry	RI-SB-07_10-12	L2606574-02	Antimony	Yes	U	UJ	MSD
L2606574	SW6010D	Dry	RI-SB-07_10-12	L2606574-02	Arsenic	Yes	5.15	5.15 J-	MSD
L2606574	SW6010D	Dry	RI-SB-07_10-12	L2606574-02	Chromium	Yes	62.2	62.2 J-	MSD
L2606574	SW6010D	Dry	RI-SB-07_10-12	L2606574-02	Copper	Yes	99.9	99.9 J-	MSD
L2606574	SW9012B	Dry	RI-SB-07_10-12	L2606574-02	Cyanide	Yes	4.5	4.5 J-	LCS
L2606574	SW6010D	Dry	RI-SB-07_10-12	L2606574-02	Lead	Yes	124	124 J-	MSD
L2606574	E1633A	Dry	RI-SB-07_10-12	L2606574-02	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ,MSD
L2606574	SW6010D	Dry	RI-SB-07_10-12	L2606574-02	Potassium	Yes	684	684 J-	MSD
L2606574	SW6010D	Dry	RI-SB-07_10-12	L2606574-02	Selenium	Yes	0.434 J	1.79 U	MBK
L2606574	SW6010D	Dry	RI-SB-07_10-12	L2606574-02	Sodium	Yes	173 J	173 J+	MSD
L2606574	SW6010D	Dry	RI-SB-07_10-12	L2606574-02	Vanadium	Yes	26.6	26.6 J-	MSD
L2606574	SW6010D	Dry	RI-SB-07_10-12	L2606574-02	Zinc	Yes	2300	2300 J-	MSD
L2606574	SW6010D	Dry	SB-106_D_3-5_US	L2606574-03	Lead	Yes	24.8	24.8 J-	MSD
L2606574	E1633A	Dry	RI-SB-09_0-2	L2606574-04	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	Yes	U	UJ	LCS
L2606574	SW6010D	Dry	RI-SB-09_0-2	L2606574-04	Antimony	Yes	U	UJ	MSD

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2606574	SW6010D	Dry	RI-SB-09_0-2	L2606574-04	Arsenic	Yes	1.37	1.37 J-	MSD
L2606574	SW6010D	Dry	RI-SB-09_0-2	L2606574-04	Chromium	Yes	14.7	14.7 J-	MSD
L2606574	SW6010D	Dry	RI-SB-09_0-2	L2606574-04	Copper	Yes	25.8	25.8 J-	MSD
L2606574	SW9012B	Dry	RI-SB-09_0-2	L2606574-04	Cyanide	Yes	U	UJ	LCS
L2606574	SW6010D	Dry	RI-SB-09_0-2	L2606574-04	Lead	Yes	16.3	16.3 J-	MSD
L2606574	E1633A	Dry	RI-SB-09_0-2	L2606574-04	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ,MSD
L2606574	E1633A	Dry	RI-SB-09_0-2	L2606574-04	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2606574	E1633A	Dry	RI-SB-09_0-2	L2606574-04	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2606574	SW6010D	Dry	RI-SB-09_0-2	L2606574-04	Potassium	Yes	1700	1700 J-	MSD
L2606574	SW6010D	Dry	RI-SB-09_0-2	L2606574-04	Vanadium	Yes	21.8	21.8 J-	MSD
L2606574	SW6010D	Dry	RI-SB-09_0-2	L2606574-04	Zinc	Yes	46.3	46.3 J-	MSD
L2606574	E1633A	Dry	RI-SB-09_10-12	L2606574-05	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	Yes	U	UJ	LCS
L2606574	SW6010D	Dry	RI-SB-09_10-12	L2606574-05	Antimony	Yes	U	UJ	MSD
L2606574	SW6010D	Dry	RI-SB-09_10-12	L2606574-05	Arsenic	Yes	2.79	2.79 J-	MSD
L2606574	SW6010D	Dry	RI-SB-09_10-12	L2606574-05	Chromium	Yes	19.3	19.3 J-	MSD
L2606574	SW6010D	Dry	RI-SB-09_10-12	L2606574-05	Copper	Yes	30.7	30.7 J-	MSD
L2606574	SW9012B	Dry	RI-SB-09_10-12	L2606574-05	Cyanide	Yes	U	UJ	LCS
L2606574	SW6010D	Dry	RI-SB-09_10-12	L2606574-05	Lead	Yes	51.4	51.4 J-	MSD
L2606574	E1633A	Dry	RI-SB-09_10-12	L2606574-05	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ,MSD
L2606574	E1633A	Dry	RI-SB-09_10-12	L2606574-05	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2606574	E1633A	Dry	RI-SB-09_10-12	L2606574-05	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2606574	SW6010D	Dry	RI-SB-09_10-12	L2606574-05	Potassium	Yes	1770	1770 J-	MSD
L2606574	SW6010D	Dry	RI-SB-09_10-12	L2606574-05	Vanadium	Yes	25.9	25.9 J-	MSD
L2606574	SW6010D	Dry	RI-SB-09_10-12	L2606574-05	Zinc	Yes	81.2	81.2 J-	MSD
L2606574	E1633A	Dry	RI-SB-20_0-2	L2606574-06	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	Yes	U	UJ	LCS
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	2-Methylnaphthalene	Yes	12000	12000 J	FDP
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	Acenaphthene	Yes	12000	12000 J	FDP
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	Acenaphthylene	Yes	19000	19000 J	FDP
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	Anthracene	No	43000	43000	EXE
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	Anthracene	Yes	50000	50000 J	FDP
L2606574	SW6010D	Dry	RI-SB-20_0-2	L2606574-06	Antimony	Yes	U	UJ	MSD
L2606574	SW8082A	Dry	RI-SB-20_0-2	L2606574-06	Aroclor-1254 (PCB-1254)	Yes	954	954 J	FDP
L2606574	SW8082A	Dry	RI-SB-20_0-2	L2606574-06	Aroclor-1260 (PCB-1260)	Yes	U	UJ	FDP
L2606574	SW6010D	Dry	RI-SB-20_0-2	L2606574-06	Arsenic	Yes	4.55	4.55 J-	FDP,MSD
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	Benzo(a)anthracene	No	77000	77000	EXE
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	Benzo(a)anthracene	Yes	82000	82000 J	FDP
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	Benzo(a)pyrene	No	58000	58000	EXE

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	Benzo(a)pyrene	Yes	66000	66000 J	FDP
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	Benzo(b)fluoranthene	No	72000	72000	EXE
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	Benzo(b)fluoranthene	Yes	82000	82000 J	FDP
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	Benzo(g,h,i)perylene	Yes	26000	26000 J	FDP
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	Benzo(k)fluoranthene	Yes	21000	21000 J	FDP
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	Carbazole	Yes	11000	11000 J	FDP
L2606574	SW6010D	Dry	RI-SB-20_0-2	L2606574-06	Chromium	Yes	20.2	20.2 J-	MSD
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	Chrysene	No	70000	70000	EXE
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	Chrysene	Yes	71000	71000 J	FDP
L2606574	SW6010D	Dry	RI-SB-20_0-2	L2606574-06	Copper	Yes	27.5	27.5 J-	MSD
L2606574	SW9012B	Dry	RI-SB-20_0-2	L2606574-06	Cyanide	Yes	U	UJ	LCS
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	Dibenz(a,h)anthracene	Yes	8100	8100 J	FDP
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	Dibenzofuran	Yes	14000	14000 J	FDP
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	Fluoranthene	No	110000	110000	EXE
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	Fluoranthene	Yes	160000	160000 J	FDP
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	Fluorene	Yes	33000	33000 J	FDP
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	Indeno(1,2,3-cd)pyrene	Yes	27000	27000 J	FDP
L2606574	SW6010D	Dry	RI-SB-20_0-2	L2606574-06	Lead	Yes	69	69 J-	FDP,MSD
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	Naphthalene	Yes	12000	12000 J	FDP
L2606574	E1633A	Dry	RI-SB-20_0-2	L2606574-06	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ,MSD
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	Phenanthrene	No	150000	150000	EXE
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	Phenanthrene	Yes	190000	190000 J	FDP
L2606574	SW8082A	Dry	RI-SB-20_0-2	L2606574-06	Polychlorinated biphenyls (PCBs)	Yes	954	954 J	FDP
L2606574	SW6010D	Dry	RI-SB-20_0-2	L2606574-06	Potassium	Yes	1140	1140 J-	MSD
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	Pyrene	No	96000	96000	EXE
L2606574	SW8270E	Dry	RI-SB-20_0-2	L2606574-06	Pyrene	Yes	140000	140000 J	FDP
L2606574	SW6010D	Dry	RI-SB-20_0-2	L2606574-06	Vanadium	Yes	28	28 J-	MSD
L2606574	SW6010D	Dry	RI-SB-20_0-2	L2606574-06	Zinc	Yes	89.8	89.8 J-	FDP,MSD
L2606574	E1633A	Dry	DUP-03_20260205	L2606574-07	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	Yes	U	UJ	LCS
L2606574	SW8270E	Dry	DUP-03_20260205	L2606574-07	2-Methylnaphthalene	Yes	1500	1500 J	FDP
L2606574	SW8270E	Dry	DUP-03_20260205	L2606574-07	Acenaphthene	Yes	1000	1000 J	FDP
L2606574	SW8270E	Dry	DUP-03_20260205	L2606574-07	Acenaphthylene	Yes	1500	1500 J	FDP
L2606574	SW8270E	Dry	DUP-03_20260205	L2606574-07	Anthracene	Yes	3700	3700 J	FDP
L2606574	SW6010D	Dry	DUP-03_20260205	L2606574-07	Antimony	Yes	U	UJ	MSD
L2606574	SW8082A	Dry	DUP-03_20260205	L2606574-07	Aroclor-1254 (PCB-1254)	Yes	398	398 J	FDP
L2606574	SW8082A	Dry	DUP-03_20260205	L2606574-07	Aroclor-1260 (PCB-1260)	Yes	107	107 J	FDP
L2606574	SW6010D	Dry	DUP-03_20260205	L2606574-07	Arsenic	Yes	2.85	2.85 J-	FDP,MSD
L2606574	SW8270E	Dry	DUP-03_20260205	L2606574-07	Benzo(a)anthracene	Yes	5500	5500 J	FDP
L2606574	SW8270E	Dry	DUP-03_20260205	L2606574-07	Benzo(a)pyrene	Yes	4300	4300 J	FDP

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2606574	SW8270E	Dry	DUP-03_20260205	L2606574-07	Benzo(b)fluoranthene	Yes	5200	5200 J	FDP
L2606574	SW8270E	Dry	DUP-03_20260205	L2606574-07	Benzo(g,h,i)perylene	Yes	1900	1900 J	FDP
L2606574	SW8270E	Dry	DUP-03_20260205	L2606574-07	Benzo(k)fluoranthene	Yes	1900	1900 J	FDP
L2606574	SW8270E	Dry	DUP-03_20260205	L2606574-07	Carbazole	Yes	1500	1500 J	FDP
L2606574	SW6010D	Dry	DUP-03_20260205	L2606574-07	Chromium	Yes	18.8	18.8 J-	MSD
L2606574	SW8270E	Dry	DUP-03_20260205	L2606574-07	Chrysene	Yes	5100	5100 J	FDP
L2606574	SW6010D	Dry	DUP-03_20260205	L2606574-07	Copper	Yes	23.4	23.4 J-	MSD
L2606574	SW9012B	Dry	DUP-03_20260205	L2606574-07	Cyanide	Yes	U	UJ	LCS
L2606574	SW8270E	Dry	DUP-03_20260205	L2606574-07	Dibenz(a,h)anthracene	Yes	620	620 J	FDP
L2606574	SW8270E	Dry	DUP-03_20260205	L2606574-07	Dibenzofuran	Yes	1500	1500 J	FDP
L2606574	SW8270E	Dry	DUP-03_20260205	L2606574-07	Fluoranthene	No	8200	8200	EXE
L2606574	SW8270E	Dry	DUP-03_20260205	L2606574-07	Fluoranthene	Yes	12000	12000 J	FDP
L2606574	SW8270E	Dry	DUP-03_20260205	L2606574-07	Fluorene	Yes	2600	2600 J	FDP
L2606574	SW8270E	Dry	DUP-03_20260205	L2606574-07	Indeno(1,2,3-cd)pyrene	Yes	2100	2100 J	FDP
L2606574	SW6010D	Dry	DUP-03_20260205	L2606574-07	Lead	Yes	19.1	19.1 J-	FDP,MSD
L2606574	SW8270E	Dry	DUP-03_20260205	L2606574-07	Naphthalene	Yes	2100	2100 J	FDP
L2606574	E1633A	Dry	DUP-03_20260205	L2606574-07	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ,MSD
L2606574	E1633A	Dry	DUP-03_20260205	L2606574-07	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2606574	E1633A	Dry	DUP-03_20260205	L2606574-07	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2606574	SW8270E	Dry	DUP-03_20260205	L2606574-07	Phenanthrene	No	10000	10000	EXE
L2606574	SW8270E	Dry	DUP-03_20260205	L2606574-07	Phenanthrene	Yes	19000	19000 J	FDP
L2606574	SW8082A	Dry	DUP-03_20260205	L2606574-07	Polychlorinated biphenyls (PCBs)	Yes	505	505 J	FDP
L2606574	SW6010D	Dry	DUP-03_20260205	L2606574-07	Potassium	Yes	1330	1330 J-	MSD
L2606574	SW8270E	Dry	DUP-03_20260205	L2606574-07	Pyrene	No	7700	7700	EXE
L2606574	SW8270E	Dry	DUP-03_20260205	L2606574-07	Pyrene	Yes	10000	10000 J	FDP
L2606574	SW6010D	Dry	DUP-03_20260205	L2606574-07	Vanadium	Yes	24	24 J-	MSD
L2606574	SW6010D	Dry	DUP-03_20260205	L2606574-07	Zinc	Yes	45.1	45.1 J-	FDP,MSD
L2606574	E1633A	Dry	RI-SB-20_8-10	L2606574-08	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	Yes	U	UJ	LCS
L2606574	SW8081B	Dry	RI-SB-20_8-10	L2606574-08	4,4'-DDT	Yes	19.7	19.7 J	CCR
L2606574	SW6010D	Dry	RI-SB-20_8-10	L2606574-08	Antimony	Yes	U	UJ	MSD
L2606574	SW6010D	Dry	RI-SB-20_8-10	L2606574-08	Arsenic	Yes	11.5	11.5 J-	MSD
L2606574	SW8260D	Dry	RI-SB-20_8-10	L2606574-08	Chloroform (Trichloromethane)	Yes	0.34 J	2.6 U	MBK
L2606574	SW6010D	Dry	RI-SB-20_8-10	L2606574-08	Chromium	Yes	13.5	13.5 J-	MSD
L2606574	SW6010D	Dry	RI-SB-20_8-10	L2606574-08	Copper	Yes	75	75 J-	MSD
L2606574	SW9012B	Dry	RI-SB-20_8-10	L2606574-08	Cyanide	Yes	U	UJ	LCS
L2606574	SW6010D	Dry	RI-SB-20_8-10	L2606574-08	Lead	Yes	262	262 J-	MSD
L2606574	E1633A	Dry	RI-SB-20_8-10	L2606574-08	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ,MSD
L2606574	E1633A	Dry	RI-SB-20_8-10	L2606574-08	Perfluorodecanoic acid (PFDA)	Yes	0.092 J	0.092 J	ION

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2606574	E1633A	Dry	RI-SB-20_8-10	L2606574-08	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2606574	E1633A	Dry	RI-SB-20_8-10	L2606574-08	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2606574	SW6010D	Dry	RI-SB-20_8-10	L2606574-08	Potassium	Yes	635	635 J-	MSD
L2606574	SW6010D	Dry	RI-SB-20_8-10	L2606574-08	Sodium	Yes	340	340 J+	MSD
L2606574	SW6010D	Dry	RI-SB-20_8-10	L2606574-08	Vanadium	Yes	25.4	25.4 J-	MSD
L2606574	SW6010D	Dry	RI-SB-20_8-10	L2606574-08	Zinc	Yes	229	229 J-	MSD
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	1,1,1,2-Tetrachloroethane	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	1,1,1-Trichloroethane	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	1,1,2,2-Tetrachloroethane	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	1,1,2-Trichloroethane	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	1,1-Dichloroethane	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	1,1-Dichloroethene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	1,1-Dichloropropene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	1,2,3-Trichlorobenzene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	1,2,3-Trichloropropane	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	1,2,4,5-Tetramethylbenzene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	1,2,4-Trichlorobenzene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	1,2,4-Trimethylbenzene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	1,2-Dibromo-3-chloropropane (DBCP)	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	1,2-Dibromoethane (Ethylene Dibromide)	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	1,2-Dichlorobenzene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	1,2-Dichloroethane	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	1,2-Dichloroethene (total)	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	1,2-Dichloropropane	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	1,3,5-Trimethylbenzene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	1,3-Dichlorobenzene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	1,3-Dichloropropane	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	1,3-Dichloropropene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	1,4-Dichlorobenzene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	1,4-Diethylbenzene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	1,4-Dioxane	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	2,2-Dichloropropane	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	2-Butanone (Methyl Ethyl Ketone)	No	10 J	10 J	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	2-Chlorotoluene	No	U	U	ARA
L2606574	E1633A	Dry	RI-SB-20_11-13	L2606574-09	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	Yes	U	UJ	LCS
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	2-Hexanone (Methyl Butyl Ketone)	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	2-Phenylbutane (sec-Butylbenzene)	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	4-Chlorotoluene	No	U	U	ARA

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Acetone	No	38	38	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Acrylonitrile	No	U	U	ARA
L2606574	SW6010D	Dry	RI-SB-20_11-13	L2606574-09	Antimony	Yes	U	UJ	MSD
L2606574	SW6010D	Dry	RI-SB-20_11-13	L2606574-09	Arsenic	Yes	5.56	5.56 J-	MSD
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Benzene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Bromobenzene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Bromodichloromethane	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Bromoform	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Bromomethane (Methyl Bromide)	No	2.8	2.3 U	MBK,ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Carbon disulfide	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Carbon tetrachloride	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Chlorobenzene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Chlorobromomethane	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Chloroethane	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Chloroform (Trichloromethane)	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Chloromethane (Methyl Chloride)	No	1.2 J	1.2 J	ARA
L2606574	SW6010D	Dry	RI-SB-20_11-13	L2606574-09	Chromium	Yes	16.3	16.3 J-	MSD
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	cis-1,2-Dichloroethene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	cis-1,3-Dichloropropene	No	U	U	ARA
L2606574	SW6010D	Dry	RI-SB-20_11-13	L2606574-09	Copper	Yes	19.4	19.4 J-	MSD
L2606574	SW9012B	Dry	RI-SB-20_11-13	L2606574-09	Cyanide	Yes	U	UJ	LCS
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Cymene (p-Isopropyltoluene)	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Dibromochloromethane	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Dibromomethane	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Dichlorodifluoromethane (CFC-12)	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Ethyl Ether	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Ethylbenzene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Hexachlorobutadiene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Isopropylbenzene (Cumene)	No	U	U	ARA
L2606574	SW6010D	Dry	RI-SB-20_11-13	L2606574-09	Lead	Yes	182	182 J-	MSD
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	m,p-Xylenes	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Methyl Tert Butyl Ether (MTBE)	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Methylene chloride (Dichloromethane)	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Naphthalene	No	0.95 J	0.95 J	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	n-Butylbenzene	No	U	U	ARA
L2606574	E1633A	Dry	RI-SB-20_11-13	L2606574-09	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ,MSD

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	n-Propylbenzene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	o-Xylene	No	U	U	ARA
L2606574	SW6010D	Dry	RI-SB-20_11-13	L2606574-09	Potassium	Yes	672	672 J-	MSD
L2606574	SW6010D	Dry	RI-SB-20_11-13	L2606574-09	Sodium	Yes	1170	1170 J+	MSD
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Styrene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	tert-Butylbenzene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Tetrachloroethene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Toluene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	trans-1,2-Dichloroethene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	trans-1,3-Dichloropropene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	trans-1,4-Dichloro-2-butene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Trichloroethene	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Trichlorofluoromethane (CFC-11)	No	U	U	ARA
L2606574	SW6010D	Dry	RI-SB-20_11-13	L2606574-09	Vanadium	Yes	20.2	20.2 J-	MSD
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Vinyl acetate	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Vinyl chloride	No	U	U	ARA
L2606574	SW8260D	Dry	RI-SB-20_11-13	L2606574-09	Xylene (Total)	No	U	U	ARA
L2606574	SW6010D	Dry	RI-SB-20_11-13	L2606574-09	Zinc	Yes	1140	1140 J-	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	1,1,2,2-Tetrachloroethane	Yes	U	UJ	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	1,2,3-Trichlorobenzene	Yes	U	UJ	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	1,2,4,5-Tetramethylbenzene	Yes	U	UJ	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	1,2,4-Trichlorobenzene	Yes	U	UJ	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	1,2,4-Trimethylbenzene	Yes	U	UJ	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	1,2-Dibromo-3-chloropropane (DBCP)	Yes	U	UJ	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	1,2-Dibromoethane (Ethylene Dibromide)	Yes	U	UJ	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	1,2-Dichlorobenzene	Yes	U	UJ	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	1,3,5-Trimethylbenzene	Yes	U	UJ	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	1,3-Dichlorobenzene	Yes	U	UJ	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	1,4-Dichlorobenzene	Yes	U	UJ	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	1,4-Diethylbenzene	Yes	U	UJ	MSD
L2606574	SW8270E	Dry	RI-SB-11_0-2	L2606574-10	2,4-Dinitrophenol	Yes	U	R	MSD
L2606574	SW8270E	Dry	RI-SB-11_0-2	L2606574-10	2,4-Dinitrotoluene	Yes	U	UJ	MSD
L2606574	SW8270E	Dry	RI-SB-11_0-2	L2606574-10	2,6-Dinitrotoluene	Yes	U	UJ	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	2-Butanone (Methyl Ethyl Ketone)	Yes	U	UJ	LCS,MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	2-Chlorotoluene	Yes	U	UJ	MSD
L2606574	E1633A	Dry	RI-SB-11_0-2	L2606574-10	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	Yes	U	UJ	LCS
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	2-Hexanone (Methyl Butyl Ketone)	Yes	U	UJ	MSD
L2606574	SW8270E	Dry	RI-SB-11_0-2	L2606574-10	2-Nitrophenol	Yes	U	UJ	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	2-Phenylbutane (sec-Butylbenzene)	Yes	U	UJ	MSD

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2606574	SW8270E	Dry	RI-SB-11_0-2	L2606574-10	3,3'-Dichlorobenzidine	Yes	U	UJ	MSD
L2606574	SW8081B	Dry	RI-SB-11_0-2	L2606574-10	4,4'-DDE	Yes	1.35 J	1.35 J	CCR
L2606574	SW8081B	Dry	RI-SB-11_0-2	L2606574-10	4,4'-DDT	Yes	5.4	5.4 J	CCR
L2606574	SW8270E	Dry	RI-SB-11_0-2	L2606574-10	4,6-Dinitro-2-methylphenol	Yes	U	R	MSD
L2606574	SW8270E	Dry	RI-SB-11_0-2	L2606574-10	4-Chloroaniline	Yes	U	UJ	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	4-Chlorotoluene	Yes	U	UJ	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	Yes	U	UJ	MSD
L2606574	SW8270E	Dry	RI-SB-11_0-2	L2606574-10	4-Nitroaniline	Yes	U	UJ	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	Acrylonitrile	Yes	U	UJ	MSD
L2606574	SW8081B	Dry	RI-SB-11_0-2	L2606574-10	alpha-Chlordane (cis)	Yes	10.6	10.6 J	CCR
L2606574	SW6010D	Dry	RI-SB-11_0-2	L2606574-10	Antimony	Yes	U	UJ	MSD
L2606574	SW6010D	Dry	RI-SB-11_0-2	L2606574-10	Arsenic	Yes	6.28	6.28 J-	MSD
L2606574	SW8270E	Dry	RI-SB-11_0-2	L2606574-10	Benzo(a)anthracene	Yes	920	920 J	MSD
L2606574	SW8270E	Dry	RI-SB-11_0-2	L2606574-10	Benzo(a)pyrene	Yes	850	850 J	MSD
L2606574	SW8270E	Dry	RI-SB-11_0-2	L2606574-10	Benzo(b)fluoranthene	Yes	1100	1100 J	MSD
L2606574	SW8270E	Dry	RI-SB-11_0-2	L2606574-10	Benzo(g,h,i)perylene	Yes	500	500 J	MSD
L2606574	SW8270E	Dry	RI-SB-11_0-2	L2606574-10	Benzoic acid	Yes	U	R	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	Bromobenzene	Yes	U	UJ	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	Chlorobenzene	Yes	U	UJ	MSD
L2606574	SW6010D	Dry	RI-SB-11_0-2	L2606574-10	Chromium	Yes	18.4	18.4 J-	MSD
L2606574	SW8270E	Dry	RI-SB-11_0-2	L2606574-10	Chrysene	Yes	860	860 J	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	cis-1,3-Dichloropropene	Yes	U	UJ	MSD
L2606574	SW6010D	Dry	RI-SB-11_0-2	L2606574-10	Copper	Yes	39.8	39.8 J-	MSD
L2606574	SW9012B	Dry	RI-SB-11_0-2	L2606574-10	Cyanide	Yes	0.89 J	0.89 J-	LCS
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	Cymene (p-Isopropyltoluene)	Yes	U	UJ	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	Dibromomethane	Yes	U	UJ	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	Ethylbenzene	Yes	U	UJ	MSD
L2606574	SW8270E	Dry	RI-SB-11_0-2	L2606574-10	Fluoranthene	Yes	1500	1500 J	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	Hexachlorobutadiene	Yes	U	UJ	MSD
L2606574	SW8270E	Dry	RI-SB-11_0-2	L2606574-10	Hexachlorocyclopentadiene	Yes	U	UJ	MSD
L2606574	SW8270E	Dry	RI-SB-11_0-2	L2606574-10	Hexachloroethane	Yes	U	UJ	MSD
L2606574	SW8270E	Dry	RI-SB-11_0-2	L2606574-10	Indeno(1,2,3-cd)pyrene	Yes	460	460 J	MSD
L2606574	SW6010D	Dry	RI-SB-11_0-2	L2606574-10	Lead	Yes	74.6	74.6 J-	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	m,p-Xylenes	Yes	U	UJ	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	Naphthalene	Yes	U	UJ	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	n-Butylbenzene	Yes	U	UJ	MSD
L2606574	E1633A	Dry	RI-SB-11_0-2	L2606574-10	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ,MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	n-Propylbenzene	Yes	U	UJ	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	o-Xylene	Yes	U	UJ	MSD

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2606574	E1633A	Dry	RI-SB-11_0-2	L2606574-10	Perfluorohexanesulfonic acid (PFHxS)	Yes	0.062 J	0.062 J	ION
L2606574	E1633A	Dry	RI-SB-11_0-2	L2606574-10	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2606574	E1633A	Dry	RI-SB-11_0-2	L2606574-10	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2606574	SW8270E	Dry	RI-SB-11_0-2	L2606574-10	Phenanthrene	Yes	660	660 J	MSD
L2606574	SW6010D	Dry	RI-SB-11_0-2	L2606574-10	Potassium	Yes	1440	1440 J-	MSD
L2606574	SW8270E	Dry	RI-SB-11_0-2	L2606574-10	Pyrene	Yes	1300	1300 J	MSD
L2606574	SW6010D	Dry	RI-SB-11_0-2	L2606574-10	Sodium	Yes	122 J	122 J+	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	Styrene	Yes	U	UJ	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	tert-Butylbenzene	Yes	U	UJ	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	trans-1,3-Dichloropropene	Yes	U	UJ	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	trans-1,4-Dichloro-2-butene	Yes	U	UJ	MSD
L2606574	SW6010D	Dry	RI-SB-11_0-2	L2606574-10	Vanadium	Yes	23	23 J-	MSD
L2606574	SW8260D	Dry	RI-SB-11_0-2	L2606574-10	Vinyl acetate	Yes	U	R	MSD
L2606574	SW6010D	Dry	RI-SB-11_0-2	L2606574-10	Zinc	Yes	103	103 J-	MSD
L2606574	E1633A	Dry	RI-SB-11_8-10	L2606574-11	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	Yes	U	UJ	LCS
L2606574	SW6010D	Dry	RI-SB-11_8-10	L2606574-11	Antimony	Yes	U	UJ	MSD
L2606574	SW6010D	Dry	RI-SB-11_8-10	L2606574-11	Arsenic	Yes	3.27	3.27 J-	MSD
L2606574	SW6010D	Dry	RI-SB-11_8-10	L2606574-11	Chromium	Yes	13.7	13.7 J-	MSD
L2606574	SW6010D	Dry	RI-SB-11_8-10	L2606574-11	Copper	Yes	35.6	35.6 J-	MSD
L2606574	SW9012B	Dry	RI-SB-11_8-10	L2606574-11	Cyanide	Yes	U	UJ	LCS
L2606574	SW6010D	Dry	RI-SB-11_8-10	L2606574-11	Lead	Yes	72.8	72.8 J-	MSD
L2606574	E1633A	Dry	RI-SB-11_8-10	L2606574-11	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ,MSD
L2606574	E1633A	Dry	RI-SB-11_8-10	L2606574-11	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2606574	E1633A	Dry	RI-SB-11_8-10	L2606574-11	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2606574	SW6010D	Dry	RI-SB-11_8-10	L2606574-11	Potassium	Yes	916	916 J-	MSD
L2606574	SW6010D	Dry	RI-SB-11_8-10	L2606574-11	Sodium	Yes	96.1 J	96.1 J+	MSD
L2606574	SW6010D	Dry	RI-SB-11_8-10	L2606574-11	Vanadium	Yes	24.1	24.1 J-	MSD
L2606574	SW6010D	Dry	RI-SB-11_8-10	L2606574-11	Zinc	Yes	71	71 J-	MSD
L2606574	SW8270E	Dry	RI-SB-11_11-13	L2606574-12	2,4-Dichlorophenol	Yes	U	UJ	SUR
L2606574	SW8270E	Dry	RI-SB-11_11-13	L2606574-12	2,4-Dimethylphenol	Yes	U	UJ	SUR
L2606574	SW8270E	Dry	RI-SB-11_11-13	L2606574-12	2-Chlorophenol	Yes	U	UJ	SUR
L2606574	SW8270E	Dry	RI-SB-11_11-13	L2606574-12	2-Methylphenol (o-Cresol)	Yes	U	UJ	SUR
L2606574	SW8270E	Dry	RI-SB-11_11-13	L2606574-12	2-Nitrophenol	Yes	U	UJ	SUR
L2606574	SW8270E	Dry	RI-SB-11_11-13	L2606574-12	3&4-Methylphenol	Yes	U	UJ	SUR
L2606574	E1633A	Dry	RI-SB-11_11-13	L2606574-12	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	Yes	U	UJ	IDL
L2606574	SW8270E	Dry	RI-SB-11_11-13	L2606574-12	4-Chloro-3-methylphenol	Yes	U	UJ	SUR
L2606574	E1633A	Dry	RI-SB-11_11-13	L2606574-12	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	Yes	U	UJ	IDL

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2606574	E1633A	Dry	RI-SB-11_11-13	L2606574-12	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	Yes	U	UJ	IDL
L2606574	SW8081B	Dry	RI-SB-11_11-13	L2606574-12	alpha-Chlordane (cis)	Yes	73.1	73.1 J	CCR
L2606574	SW6010D	Dry	RI-SB-11_11-13	L2606574-12	Antimony	Yes	U	UJ	MSD
L2606574	SW6010D	Dry	RI-SB-11_11-13	L2606574-12	Arsenic	Yes	2.03	2.03 J-	MSD
L2606574	SW8270E	Dry	RI-SB-11_11-13	L2606574-12	Benzoic acid	Yes	U	UJ	SUR
L2606574	SW8260D	Dry	RI-SB-11_11-13	L2606574-12	Chloroform (Trichloromethane)	Yes	0.31 J	2.0 U	MBK
L2606574	SW6010D	Dry	RI-SB-11_11-13	L2606574-12	Chromium	Yes	10.3	10.3 J-	MSD
L2606574	SW6010D	Dry	RI-SB-11_11-13	L2606574-12	Copper	Yes	51	51 J-	MSD
L2606574	SW9012B	Dry	RI-SB-11_11-13	L2606574-12	Cyanide	Yes	1.8	1.8 J-	LCS
L2606574	SW8081B	Dry	RI-SB-11_11-13	L2606574-12	Dieldrin	Yes	27	27 J	CCR
L2606574	SW8081B	Dry	RI-SB-11_11-13	L2606574-12	Endosulfan sulfate	Yes	4.44	4.44 J	CCR
L2606574	SW8081B	Dry	RI-SB-11_11-13	L2606574-12	Heptachlor epoxide	Yes	12.4	12.4 J	CCR
L2606574	SW6010D	Dry	RI-SB-11_11-13	L2606574-12	Lead	Yes	31.9	31.9 J-	MSD
L2606574	E1633A	Dry	RI-SB-11_11-13	L2606574-12	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ,MSD
L2606574	E1633A	Dry	RI-SB-11_11-13	L2606574-12	Perfluorododecanoic acid (PFDoDA)	Yes	U	UJ	IDL
L2606574	E1633A	Dry	RI-SB-11_11-13	L2606574-12	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2606574	E1633A	Dry	RI-SB-11_11-13	L2606574-12	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2606574	SW8270E	Dry	RI-SB-11_11-13	L2606574-12	Phenol	Yes	U	UJ	SUR
L2606574	SW6010D	Dry	RI-SB-11_11-13	L2606574-12	Potassium	Yes	772	772 J-	MSD
L2606574	SW6010D	Dry	RI-SB-11_11-13	L2606574-12	Vanadium	Yes	22.2	22.2 J-	MSD
L2606574	SW6010D	Dry	RI-SB-11_11-13	L2606574-12	Zinc	Yes	30.1	30.1 J-	MSD
L2606574	SW8270E	NA	FB-03_20260205	L2606574-15	1,3-Dichlorobenzene	Yes	U	R	LCS
L2606574	SW8270E	NA	FB-03_20260205	L2606574-15	Hexachlorobutadiene	Yes	U	R	LCS
L2606574	SW8270E	NA	FB-03_20260205	L2606574-15	Hexachlorocyclopentadiene	Yes	U	R	LCS
L2606574	SW8270E	NA	FB-03_20260205	L2606574-15	Hexachloroethane	Yes	U	R	LCS
L2606574	SW8260D	NA	FB-03_20260205	L2606574-15	Naphthalene	Yes	U	UJ	LCS
L2606574	E1633A	NA	FB-03_20260205	L2606574-15	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2606574	E1633A	NA	FB-03_20260205	L2606574-15	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2606574	SW8260D	NA	FB-03_20260205	L2606574-15	trans-1,4-Dichloro-2-butene	Yes	U	UJ	LCS
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	1,1,1,2-Tetrachloroethane	Yes	U	UJ	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	1,1,2,2-Tetrachloroethane	Yes	U	UJ	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	1,2,3-Trichlorobenzene	Yes	U	R	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	1,2,3-Trichloropropane	Yes	U	UJ	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	1,2,4,5-Tetramethylbenzene	Yes	U	UJ	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	1,2,4-Trichlorobenzene	Yes	U	R	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	1,2,4-Trimethylbenzene	Yes	U	UJ	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	1,2-Dibromo-3-chloropropane (DBCP)	Yes	U	UJ	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	1,2-Dichlorobenzene	Yes	U	UJ	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	1,3,5-Trimethylbenzene	Yes	U	UJ	MSD

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	1,3-Dichlorobenzene	Yes	U	UJ	MSD
L2606929	SW8270E	Dry	RI-SB-19_0-2	L2606929-02	1,3-Dichlorobenzene	Yes	U	UJ	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	1,4-Dichlorobenzene	Yes	U	UJ	MSD
L2606929	SW8270E	Dry	RI-SB-19_0-2	L2606929-02	2,2'-oxybis(1-Chloropropane)	Yes	U	UJ	MSD
L2606929	SW8270E	Dry	RI-SB-19_0-2	L2606929-02	2,4-Dinitrophenol	Yes	U	R	MSD
L2606929	SW8270E	Dry	RI-SB-19_0-2	L2606929-02	2,6-Dinitrotoluene	Yes	U	UJ	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	2-Butanone (Methyl Ethyl Ketone)	Yes	U	UJ	LCS,MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	2-Chlorotoluene	Yes	U	UJ	MSD
L2606929	E1633A	Dry	RI-SB-19_0-2	L2606929-02	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	Yes	U	UJ	LCS
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	2-Hexanone (Methyl Butyl Ketone)	Yes	U	UJ	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	2-Phenylbutane (sec-Butylbenzene)	Yes	U	UJ	MSD
L2606929	SW8270E	Dry	RI-SB-19_0-2	L2606929-02	3,3'-Dichlorobenzidine	Yes	U	UJ	MSD
L2606929	SW8081B	Dry	RI-SB-19_0-2	L2606929-02	4,4'-DDT	Yes	U	UJ	CCR
L2606929	SW8270E	Dry	RI-SB-19_0-2	L2606929-02	4,6-Dinitro-2-methylphenol	Yes	U	R	MSD
L2606929	SW8270E	Dry	RI-SB-19_0-2	L2606929-02	4-Chloroaniline	Yes	U	UJ	MSD
L2606929	SW8270E	Dry	RI-SB-19_0-2	L2606929-02	4-Chlorophenyl phenyl ether	Yes	U	UJ	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	4-Chlorotoluene	Yes	U	UJ	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	Yes	U	UJ	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	Acrylonitrile	Yes	U	UJ	MSD
L2606929	SW6010D	Dry	RI-SB-19_0-2	L2606929-02	Antimony	Yes	U	UJ	MSD
L2606929	SW8082A	Dry	RI-SB-19_0-2	L2606929-02	Aroclor-1248 (PCB-1248)	Yes	19.4 J	19.4 J	CCR
L2606929	SW8270E	Dry	RI-SB-19_0-2	L2606929-02	Benzo(a)anthracene	Yes	700	700 J	MSD
L2606929	SW8270E	Dry	RI-SB-19_0-2	L2606929-02	Benzo(b)fluoranthene	Yes	670	670 J	MSD
L2606929	SW8270E	Dry	RI-SB-19_0-2	L2606929-02	Benzoic acid	Yes	U	R	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	Bromobenzene	Yes	U	UJ	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	Bromoform	Yes	U	UJ	MSD
L2606929	SW6010D	Dry	RI-SB-19_0-2	L2606929-02	Cadmium	Yes	U	UJ	MSD
L2606929	SW8270E	Dry	RI-SB-19_0-2	L2606929-02	Carbazole	Yes	180 J	180 J	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	Chlorobenzene	Yes	U	UJ	MSD
L2606929	SW6010D	Dry	RI-SB-19_0-2	L2606929-02	Chromium	Yes	6.66	6.66 J+	MSD
L2606929	SW8270E	Dry	RI-SB-19_0-2	L2606929-02	Chrysene	Yes	570	570 J	MSD
L2606929	SW6010D	Dry	RI-SB-19_0-2	L2606929-02	Copper	Yes	9.37	9.37 J+	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	Cymene (p-Isopropyltoluene)	Yes	U	UJ	MSD
L2606929	SW8270E	Dry	RI-SB-19_0-2	L2606929-02	Dibenz(a,h)anthracene	Yes	U	UJ	MSD
L2606929	SW8270E	Dry	RI-SB-19_0-2	L2606929-02	Dimethyl phthalate	Yes	U	UJ	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	Ethylbenzene	Yes	U	UJ	MSD
L2606929	SW8270E	Dry	RI-SB-19_0-2	L2606929-02	Fluoranthene	Yes	1300	1300 J	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	Hexachlorobutadiene	Yes	U	R	MSD
L2606929	SW8270E	Dry	RI-SB-19_0-2	L2606929-02	Hexachlorocyclopentadiene	Yes	U	R	MSD

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2606929	SW8270E	Dry	RI-SB-19_0-2	L2606929-02	Hexachloroethane	Yes	U	UJ	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	Isopropylbenzene (Cumene)	Yes	U	UJ	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	m,p-Xylenes	Yes	U	UJ	MSD
L2606929	SW6010D	Dry	RI-SB-19_0-2	L2606929-02	Manganese	Yes	134	134 J+	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	Naphthalene	Yes	U	UJ	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	n-Butylbenzene	Yes	U	UJ	MSD
L2606929	SW6010D	Dry	RI-SB-19_0-2	L2606929-02	Nickel	Yes	8.26	8.26 J	MSD
L2606929	E1633A	Dry	RI-SB-19_0-2	L2606929-02	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	n-Propylbenzene	Yes	U	UJ	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	o-Xylene	Yes	U	UJ	MSD
L2606929	SW8270E	Dry	RI-SB-19_0-2	L2606929-02	Phenanthrene	Yes	1400	1400 J	MSD
L2606929	SW6010D	Dry	RI-SB-19_0-2	L2606929-02	Potassium	Yes	370 J	370 J+	MSD
L2606929	SW8270E	Dry	RI-SB-19_0-2	L2606929-02	Pyrene	Yes	980	980 J	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	Styrene	Yes	U	UJ	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	tert-Butylbenzene	Yes	U	UJ	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	Tetrachloroethene	Yes	2.7	2.7 J	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	Toluene	Yes	U	UJ	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	trans-1,3-Dichloropropene	Yes	U	UJ	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	trans-1,4-Dichloro-2-butene	Yes	U	UJ	MSD
L2606929	SW6010D	Dry	RI-SB-19_0-2	L2606929-02	Vanadium	Yes	20	20 J-	MSD
L2606929	SW8260D	Dry	RI-SB-19_0-2	L2606929-02	Vinyl acetate	Yes	U	R	MSD
L2606929	SW6010D	Dry	RI-SB-19_0-2	L2606929-02	Zinc	Yes	15.8	15.8 J	MSD
L2606929	E1633A	Dry	RI-SB-19_7-9	L2606929-03	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	Yes	U	UJ	LCS
L2606929	SW6010D	Dry	RI-SB-19_7-9	L2606929-03	Antimony	Yes	U	UJ	MSD
L2606929	SW8082A	Dry	RI-SB-19_7-9	L2606929-03	Aroclor-1254 (PCB-1254)	Yes	45.6 J	45.6 J	CCR
L2606929	SW6010D	Dry	RI-SB-19_7-9	L2606929-03	Cadmium	Yes	0.049 J	0.049 J-	MSD
L2606929	SW6010D	Dry	RI-SB-19_7-9	L2606929-03	Chromium	Yes	21.6	21.6 J+	MSD
L2606929	SW6010D	Dry	RI-SB-19_7-9	L2606929-03	Copper	Yes	32.1	32.1 J+	MSD
L2606929	SW6010D	Dry	RI-SB-19_7-9	L2606929-03	Manganese	Yes	137	137 J+	MSD
L2606929	SW6010D	Dry	RI-SB-19_7-9	L2606929-03	Nickel	Yes	16.8	16.8 J	MSD
L2606929	E1633A	Dry	RI-SB-19_7-9	L2606929-03	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	Yes	U	UJ	IDL
L2606929	E1633A	Dry	RI-SB-19_7-9	L2606929-03	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2606929	SW6010D	Dry	RI-SB-19_7-9	L2606929-03	Potassium	Yes	3150	3150 J+	MSD
L2606929	SW6010D	Dry	RI-SB-19_7-9	L2606929-03	Vanadium	Yes	30.6	30.6 J-	MSD
L2606929	SW6010D	Dry	RI-SB-19_7-9	L2606929-03	Zinc	Yes	55	55 J	MSD
L2606929	SW8260D	Dry	RI-SB-19_10-12	L2606929-04	2-Butanone (Methyl Ethyl Ketone)	Yes	U	UJ	LCS

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2606929	E1633A	Dry	RI-SB-19_10-12	L2606929-04	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	Yes	U	UJ	LCS
L2606929	SW8081B	Dry	RI-SB-19_10-12	L2606929-04	alpha-Chlordane (cis)	Yes	3.42	3.42 J	CCR
L2606929	SW6010D	Dry	RI-SB-19_10-12	L2606929-04	Antimony	Yes	U	UJ	MSD
L2606929	SW6010D	Dry	RI-SB-19_10-12	L2606929-04	Cadmium	Yes	0.336 J	0.336 J-	MSD
L2606929	SW6010D	Dry	RI-SB-19_10-12	L2606929-04	Chromium	Yes	15.6	15.6 J+	MSD
L2606929	SW6010D	Dry	RI-SB-19_10-12	L2606929-04	Copper	Yes	51.1	51.1 J+	MSD
L2606929	SW8081B	Dry	RI-SB-19_10-12	L2606929-04	gamma-Chlordane (trans)	Yes	3.07	3.07 J	CCR
L2606929	SW6010D	Dry	RI-SB-19_10-12	L2606929-04	Manganese	Yes	326	326 J+	MSD
L2606929	SW6010D	Dry	RI-SB-19_10-12	L2606929-04	Nickel	Yes	11.7	11.7 J	MSD
L2606929	E1633A	Dry	RI-SB-19_10-12	L2606929-04	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2606929	SW6010D	Dry	RI-SB-19_10-12	L2606929-04	Potassium	Yes	955	955 J+	MSD
L2606929	SW6010D	Dry	RI-SB-19_10-12	L2606929-04	Vanadium	Yes	21.6	21.6 J-	MSD
L2606929	SW6010D	Dry	RI-SB-19_10-12	L2606929-04	Zinc	Yes	211	211 J	MSD
L2606929	SW8260D	Dry	RI-SB-05_0-2	L2606929-05	2-Butanone (Methyl Ethyl Ketone)	Yes	U	UJ	LCS
L2606929	E1633A	Dry	RI-SB-05_0-2	L2606929-05	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	Yes	U	UJ	LCS
L2606929	SW8081B	Dry	RI-SB-05_0-2	L2606929-05	4,4'-DDD	Yes	U	UJ	FDP
L2606929	SW8081B	Dry	RI-SB-05_0-2	L2606929-05	4,4'-DDT	Yes	2.08	2.08 J	CCR
L2606929	SW8260D	Dry	RI-SB-05_0-2	L2606929-05	Acetone	Yes	11 J	17.0 U	MBK
L2606929	SW8081B	Dry	RI-SB-05_0-2	L2606929-05	alpha-Chlordane (cis)	Yes	9.61	9.61 J	CCR,FDP
L2606929	SW6010D	Dry	RI-SB-05_0-2	L2606929-05	Antimony	Yes	U	UJ	MSD
L2606929	SW8082A	Dry	RI-SB-05_0-2	L2606929-05	Aroclor-1268 (PCB-1268)	Yes	152	152 J	FDP
L2606929	SW8270E	Dry	RI-SB-05_0-2	L2606929-05	Benzo(a)anthracene	Yes	220	220 J	FDP
L2606929	SW8270E	Dry	RI-SB-05_0-2	L2606929-05	Benzo(a)pyrene	Yes	190 J	190 J	FDP
L2606929	SW8270E	Dry	RI-SB-05_0-2	L2606929-05	Benzo(b)fluoranthene	Yes	310	310 J	FDP
L2606929	SW8270E	Dry	RI-SB-05_0-2	L2606929-05	Benzo(g,h,i)perylene	Yes	180 J	180 J	FDP
L2606929	SW8270E	Dry	RI-SB-05_0-2	L2606929-05	Benzo(k)fluoranthene	Yes	120 J	120 J	FDP
L2606929	SW6010D	Dry	RI-SB-05_0-2	L2606929-05	Cadmium	Yes	U	UJ	MSD
L2606929	SW8081B	Dry	RI-SB-05_0-2	L2606929-05	Chlordane	Yes	68.4	68.4 J	FDP
L2606929	SW6010D	Dry	RI-SB-05_0-2	L2606929-05	Chromium	Yes	10.8	10.8 J+	MSD
L2606929	SW8270E	Dry	RI-SB-05_0-2	L2606929-05	Chrysene	Yes	290	290 J	FDP
L2606929	SW6010D	Dry	RI-SB-05_0-2	L2606929-05	Copper	Yes	14.1	14.1 J+	FDP,MSD
L2606929	SW8081B	Dry	RI-SB-05_0-2	L2606929-05	Dieldrin	Yes	1.9	1.9 J	FDP
L2606929	SW8270E	Dry	RI-SB-05_0-2	L2606929-05	Fluoranthene	Yes	440	440 J	FDP
L2606929	SW8081B	Dry	RI-SB-05_0-2	L2606929-05	gamma-Chlordane (trans)	Yes	11.5	11.5 J	FDP
L2606929	SW8270E	Dry	RI-SB-05_0-2	L2606929-05	Indeno(1,2,3-cd)pyrene	Yes	160 J	160 J	FDP
L2606929	SW6010D	Dry	RI-SB-05_0-2	L2606929-05	Lead	Yes	32.8	32.8 J	FDP
L2606929	SW6010D	Dry	RI-SB-05_0-2	L2606929-05	Manganese	Yes	102	102 J+	MSD
L2606929	SW6010D	Dry	RI-SB-05_0-2	L2606929-05	Nickel	Yes	7.85	7.85 J	FDP,MSD

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2606929	E1633A	Dry	RI-SB-05_0-2	L2606929-05	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2606929	E1633A	Dry	RI-SB-05_0-2	L2606929-05	Perfluorooctanesulfonic acid (PFOS)	Yes	1.3	1.3 J	FDP
L2606929	SW8270E	Dry	RI-SB-05_0-2	L2606929-05	Phenanthrene	Yes	380	380 J	FDP
L2606929	SW8082A	Dry	RI-SB-05_0-2	L2606929-05	Polychlorinated biphenyls (PCBs)	Yes	152	152 J	FDP
L2606929	SW6010D	Dry	RI-SB-05_0-2	L2606929-05	Potassium	Yes	406	406 J+	MSD
L2606929	SW8270E	Dry	RI-SB-05_0-2	L2606929-05	Pyrene	Yes	430	430 J	FDP
L2606929	SW6010D	Dry	RI-SB-05_0-2	L2606929-05	Vanadium	Yes	10.5	10.5 J-	MSD
L2606929	SW6010D	Dry	RI-SB-05_0-2	L2606929-05	Zinc	Yes	39.1	39.1 J	MSD
L2606929	SW8260D	Dry	DUP-04_20260206	L2606929-06	2-Butanone (Methyl Ethyl Ketone)	Yes	U	UJ	LCS
L2606929	E1633A	Dry	DUP-04_20260206	L2606929-06	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	Yes	U	UJ	LCS
L2606929	SW8081B	Dry	DUP-04_20260206	L2606929-06	4,4'-DDD	Yes	5.11	5.11 J	FDP
L2606929	SW8260D	Dry	DUP-04_20260206	L2606929-06	Acetone	Yes	7.7 J	11.0 U	MBK
L2606929	SW8081B	Dry	DUP-04_20260206	L2606929-06	alpha-Chlordane (cis)	Yes	4.62	4.62 J	FDP
L2606929	SW6010D	Dry	DUP-04_20260206	L2606929-06	Antimony	Yes	U	UJ	MSD
L2606929	SW8082A	Dry	DUP-04_20260206	L2606929-06	Aroclor-1248 (PCB-1248)	Yes	20.6 J	20.6 J	CCR
L2606929	SW8082A	Dry	DUP-04_20260206	L2606929-06	Aroclor-1268 (PCB-1268)	Yes	U	UJ	FDP
L2606929	SW8270E	Dry	DUP-04_20260206	L2606929-06	Benzo(a)anthracene	Yes	1200	1200 J	FDP
L2606929	SW8270E	Dry	DUP-04_20260206	L2606929-06	Benzo(a)pyrene	Yes	990	990 J	FDP
L2606929	SW8270E	Dry	DUP-04_20260206	L2606929-06	Benzo(b)fluoranthene	Yes	1200	1200 J	FDP
L2606929	SW8270E	Dry	DUP-04_20260206	L2606929-06	Benzo(g,h,i)perylene	Yes	640	640 J	FDP
L2606929	SW8270E	Dry	DUP-04_20260206	L2606929-06	Benzo(k)fluoranthene	Yes	470	470 J	FDP
L2606929	SW6010D	Dry	DUP-04_20260206	L2606929-06	Cadmium	Yes	U	UJ	MSD
L2606929	SW8081B	Dry	DUP-04_20260206	L2606929-06	Chlordane	Yes	27.6	27.6 J	FDP
L2606929	SW6010D	Dry	DUP-04_20260206	L2606929-06	Chromium	Yes	13.5	13.5 J+	MSD
L2606929	SW8270E	Dry	DUP-04_20260206	L2606929-06	Chrysene	Yes	1100	1100 J	FDP
L2606929	SW6010D	Dry	DUP-04_20260206	L2606929-06	Copper	Yes	24.6	24.6 J+	FDP,MSD
L2606929	SW8081B	Dry	DUP-04_20260206	L2606929-06	Dieldrin	Yes	5.08	5.08 J	FDP
L2606929	SW8270E	Dry	DUP-04_20260206	L2606929-06	Fluoranthene	Yes	1900	1900 J	FDP
L2606929	SW8081B	Dry	DUP-04_20260206	L2606929-06	gamma-Chlordane (trans)	Yes	3.54	3.54 J	FDP
L2606929	SW8270E	Dry	DUP-04_20260206	L2606929-06	Indeno(1,2,3-cd)pyrene	Yes	650	650 J	FDP
L2606929	SW6010D	Dry	DUP-04_20260206	L2606929-06	Lead	Yes	94.3	94.3 J	FDP
L2606929	SW6010D	Dry	DUP-04_20260206	L2606929-06	Manganese	Yes	154	154 J+	MSD
L2606929	SW6010D	Dry	DUP-04_20260206	L2606929-06	Nickel	Yes	10.8	10.8 J	FDP,MSD
L2606929	E1633A	Dry	DUP-04_20260206	L2606929-06	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2606929	E1633A	Dry	DUP-04_20260206	L2606929-06	Perfluorooctanesulfonic acid (PFOS)	Yes	0.477	0.477 J	FDP
L2606929	SW8270E	Dry	DUP-04_20260206	L2606929-06	Phenanthrene	Yes	1000	1000 J	FDP
L2606929	SW8082A	Dry	DUP-04_20260206	L2606929-06	Polychlorinated biphenyls (PCBs)	Yes	40 J	40 J	FDP
L2606929	SW6010D	Dry	DUP-04_20260206	L2606929-06	Potassium	Yes	574	574 J+	MSD

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2606929	SW8270E	Dry	DUP-04_20260206	L2606929-06	Pyrene	Yes	1600	1600 J	FDP
L2606929	SW6010D	Dry	DUP-04_20260206	L2606929-06	Vanadium	Yes	15.2	15.2 J-	MSD
L2606929	SW6010D	Dry	DUP-04_20260206	L2606929-06	Zinc	Yes	49.4	49.4 J	MSD
L2606929	SW8260D	Dry	RI-SB-05_7-9	L2606929-07	2-Butanone (Methyl Ethyl Ketone)	Yes	U	UJ	LCS
L2606929	E1633A	Dry	RI-SB-05_7-9	L2606929-07	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	Yes	U	UJ	LCS
L2606929	SW8081B	Dry	RI-SB-05_7-9	L2606929-07	alpha-Chlordane (cis)	Yes	4.71	4.71 J	CCR
L2606929	SW6010D	Dry	RI-SB-05_7-9	L2606929-07	Antimony	Yes	U	UJ	MSD
L2606929	SW6010D	Dry	RI-SB-05_7-9	L2606929-07	Cadmium	Yes	0.312 J	0.312 J-	MSD
L2606929	SW6010D	Dry	RI-SB-05_7-9	L2606929-07	Chromium	Yes	18.6	18.6 J+	MSD
L2606929	SW6010D	Dry	RI-SB-05_7-9	L2606929-07	Copper	Yes	42.2	42.2 J+	MSD
L2606929	SW6010D	Dry	RI-SB-05_7-9	L2606929-07	Manganese	Yes	264	264 J+	MSD
L2606929	SW6010D	Dry	RI-SB-05_7-9	L2606929-07	Nickel	Yes	13.4	13.4 J	MSD
L2606929	E1633A	Dry	RI-SB-05_7-9	L2606929-07	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2606929	SW6010D	Dry	RI-SB-05_7-9	L2606929-07	Potassium	Yes	1040	1040 J+	MSD
L2606929	SW6010D	Dry	RI-SB-05_7-9	L2606929-07	Vanadium	Yes	27.1	27.1 J-	MSD
L2606929	SW6010D	Dry	RI-SB-05_7-9	L2606929-07	Zinc	Yes	188	188 J	MSD
L2606929	SW8260D	Dry	RI-SB-05_13-15	L2606929-08	2-Butanone (Methyl Ethyl Ketone)	Yes	U	UJ	LCS
L2606929	E1633A	Dry	RI-SB-05_13-15	L2606929-08	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	Yes	U	UJ	LCS
L2606929	SW8081B	Dry	RI-SB-05_13-15	L2606929-08	alpha-Chlordane (cis)	Yes	3.97	3.97 J	CCR
L2606929	SW6010D	Dry	RI-SB-05_13-15	L2606929-08	Antimony	Yes	U	UJ	MSD
L2606929	SW6010D	Dry	RI-SB-05_13-15	L2606929-08	Cadmium	Yes	U	UJ	MSD
L2606929	SW6010D	Dry	RI-SB-05_13-15	L2606929-08	Chromium	Yes	10.2	10.2 J+	MSD
L2606929	SW6010D	Dry	RI-SB-05_13-15	L2606929-08	Copper	Yes	43.8	43.8 J+	MSD
L2606929	SW6010D	Dry	RI-SB-05_13-15	L2606929-08	Manganese	Yes	133	133 J+	MSD
L2606929	SW6010D	Dry	RI-SB-05_13-15	L2606929-08	Nickel	Yes	11.8	11.8 J	MSD
L2606929	E1633A	Dry	RI-SB-05_13-15	L2606929-08	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2606929	E1633A	Dry	RI-SB-05_13-15	L2606929-08	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2606929	E1633A	Dry	RI-SB-05_13-15	L2606929-08	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2606929	SW6010D	Dry	RI-SB-05_13-15	L2606929-08	Potassium	Yes	933	933 J+	MSD
L2606929	SW6010D	Dry	RI-SB-05_13-15	L2606929-08	Vanadium	Yes	20.6	20.6 J-	MSD
L2606929	SW6010D	Dry	RI-SB-05_13-15	L2606929-08	Zinc	Yes	122	122 J	MSD
L2606929	SW8260D	Dry	RI-SB-02_0-2	L2606929-09	2-Butanone (Methyl Ethyl Ketone)	Yes	U	UJ	LCS
L2606929	E1633A	Dry	RI-SB-02_0-2	L2606929-09	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	Yes	U	UJ	LCS
L2606929	SW8081B	Dry	RI-SB-02_0-2	L2606929-09	alpha-Chlordane (cis)	Yes	2.67	2.67 J	CCR
L2606929	SW6010D	Dry	RI-SB-02_0-2	L2606929-09	Antimony	Yes	U	UJ	MSD
L2606929	SW6010D	Dry	RI-SB-02_0-2	L2606929-09	Cadmium	Yes	U	UJ	MSD

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2606929	SW6010D	Dry	RI-SB-02_0-2	L2606929-09	Chromium	Yes	8.47	8.47 J+	MSD
L2606929	SW6010D	Dry	RI-SB-02_0-2	L2606929-09	Copper	Yes	14.4	14.4 J+	MSD
L2606929	SW8081B	Dry	RI-SB-02_0-2	L2606929-09	Heptachlor epoxide	Yes	U	UJ	CCR
L2606929	SW6010D	Dry	RI-SB-02_0-2	L2606929-09	Manganese	Yes	127	127 J+	MSD
L2606929	SW6010D	Dry	RI-SB-02_0-2	L2606929-09	Nickel	Yes	7.22	7.22 J	MSD
L2606929	E1633A	Dry	RI-SB-02_0-2	L2606929-09	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2606929	SW6010D	Dry	RI-SB-02_0-2	L2606929-09	Potassium	Yes	1160	1160 J+	MSD
L2606929	SW6010D	Dry	RI-SB-02_0-2	L2606929-09	Vanadium	Yes	10.3	10.3 J-	MSD
L2606929	SW6010D	Dry	RI-SB-02_0-2	L2606929-09	Zinc	Yes	47.7	47.7 J	MSD
L2606929	SW8260D	Dry	RI-SB-02_7-9	L2606929-10	2-Butanone (Methyl Ethyl Ketone)	Yes	U	UJ	LCS
L2606929	E1633A	Dry	RI-SB-02_7-9	L2606929-10	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	Yes	U	UJ	LCS
L2606929	SW8260D	Dry	RI-SB-02_7-9	L2606929-10	Acetone	Yes	11	10.0 U	MBK
L2606929	SW8081B	Dry	RI-SB-02_7-9	L2606929-10	alpha-Chlordane (cis)	Yes	1.13 J	1.13 J	CCR
L2606929	SW6010D	Dry	RI-SB-02_7-9	L2606929-10	Antimony	Yes	U	UJ	MSD
L2606929	SW6010D	Dry	RI-SB-02_7-9	L2606929-10	Cadmium	Yes	0.22 J	0.22 J-	MSD
L2606929	SW6010D	Dry	RI-SB-02_7-9	L2606929-10	Chromium	Yes	13.3	13.3 J+	MSD
L2606929	SW6010D	Dry	RI-SB-02_7-9	L2606929-10	Copper	Yes	38.5	38.5 J+	MSD
L2606929	SW6010D	Dry	RI-SB-02_7-9	L2606929-10	Manganese	Yes	193	193 J+	MSD
L2606929	SW6010D	Dry	RI-SB-02_7-9	L2606929-10	Nickel	Yes	10.7	10.7 J	MSD
L2606929	E1633A	Dry	RI-SB-02_7-9	L2606929-10	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2606929	SW6010D	Dry	RI-SB-02_7-9	L2606929-10	Potassium	Yes	878	878 J+	MSD
L2606929	SW6010D	Dry	RI-SB-02_7-9	L2606929-10	Vanadium	Yes	16.9	16.9 J-	MSD
L2606929	SW6010D	Dry	RI-SB-02_7-9	L2606929-10	Zinc	Yes	154	154 J	MSD
L2606929	SW8260D	Dry	RI-SB-02_13-15	L2606929-11	2-Butanone (Methyl Ethyl Ketone)	Yes	U	UJ	LCS
L2606929	E1633A	Dry	RI-SB-02_13-15	L2606929-11	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	Yes	U	UJ	LCS
L2606929	SW8081B	Dry	RI-SB-02_13-15	L2606929-11	alpha-Chlordane (cis)	Yes	1.18 J	1.18 J	CCR
L2606929	SW6010D	Dry	RI-SB-02_13-15	L2606929-11	Antimony	Yes	U	UJ	MSD
L2606929	SW6010D	Dry	RI-SB-02_13-15	L2606929-11	Cadmium	Yes	U	UJ	MSD
L2606929	SW6010D	Dry	RI-SB-02_13-15	L2606929-11	Chromium	Yes	11.8	11.8 J+	MSD
L2606929	SW6010D	Dry	RI-SB-02_13-15	L2606929-11	Copper	Yes	26	26 J+	MSD
L2606929	SW8081B	Dry	RI-SB-02_13-15	L2606929-11	gamma-Chlordane (trans)	Yes	1.46 J	1.46 J	CCR
L2606929	SW6010D	Dry	RI-SB-02_13-15	L2606929-11	Manganese	Yes	141	141 J+	MSD
L2606929	SW6010D	Dry	RI-SB-02_13-15	L2606929-11	Nickel	Yes	10.4	10.4 J	MSD
L2606929	E1633A	Dry	RI-SB-02_13-15	L2606929-11	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2606929	SW6010D	Dry	RI-SB-02_13-15	L2606929-11	Potassium	Yes	1730	1730 J+	MSD
L2606929	SW6010D	Dry	RI-SB-02_13-15	L2606929-11	Vanadium	Yes	17.1	17.1 J-	MSD

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2606929	SW6010D	Dry	RI-SB-02_13-15	L2606929-11	Zinc	Yes	49.2	49.2 J	MSD
L2606929	SW8260D	Wet	TB-01_20260206	L2606929-12	2-Butanone (Methyl Ethyl Ketone)	Yes	U	UJ	LCS
L2606929	E1633A	NA	FB-04_20260206	L2606929-13	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2606929	E1633A	NA	FB-04_20260206	L2606929-13	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2606929	SW8260D	NA	FB-04_20260206	L2606929-13	trans-1,4-Dichloro-2-butene	Yes	U	UJ	LCS
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	1,1,1,2-Tetrachloroethane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	1,1,1-Trichloroethane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	1,1,2,2-Tetrachloroethane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	1,1,2-Trichloroethane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	1,1-Dichloroethane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	1,1-Dichloroethene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	1,1-Dichloropropene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	1,2,3-Trichlorobenzene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	1,2,3-Trichloropropane	No	U	U	ARA
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	1,2,4,5-Tetrachlorobenzene	Yes	U	UJ	SUR
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	1,2,4,5-Tetramethylbenzene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	1,2,4-Trichlorobenzene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	1,2,4-Trimethylbenzene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	1,2-Dibromo-3-chloropropane (DBCP)	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	1,2-Dibromoethane (Ethylene Dibromide)	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	1,2-Dichlorobenzene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	1,2-Dichloroethane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	1,2-Dichloroethene (total)	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	1,2-Dichloropropane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	1,3,5-Trimethylbenzene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	1,3-Dichlorobenzene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	1,3-Dichloropropane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	1,3-Dichloropropene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	1,4-Dichlorobenzene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	1,4-Diethylbenzene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	1,4-Dioxane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	2,2-Dichloropropane	No	U	U	ARA
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	2,4-Dinitrotoluene	Yes	U	UJ	SUR
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	2,6-Dinitrotoluene	Yes	U	UJ	SUR
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	2-Butanone (Methyl Ethyl Ketone)	No	14	14	ARA
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	2-Chloronaphthalene	Yes	U	UJ	SUR
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	2-Chlorotoluene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	2-Hexanone (Methyl Butyl Ketone)	No	U	U	ARA
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	2-Methylnaphthalene	Yes	U	UJ	SUR
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	2-Nitroaniline	Yes	U	UJ	SUR

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	2-Phenylbutane (sec-Butylbenzene)	No	U	U	ARA
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	3,3'-Dichlorobenzidine	Yes	U	UJ	SUR
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	3-Nitroaniline	Yes	U	UJ	SUR
L2607931	SW8081B	Dry	RI-SB-13_0-2	L2607931-02	4,4'-DDE	Yes	1.62 J	1.62 J	CCR
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	4-Bromophenyl phenyl ether (BDE-3)	Yes	U	UJ	SUR
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	4-Chlorophenyl phenyl ether	Yes	U	UJ	SUR
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	4-Chlorotoluene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	No	U	U	ARA
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	4-Nitroaniline	Yes	U	UJ	SUR
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	Acenaphthene	Yes	U	UJ	SUR
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	Acenaphthylene	Yes	U	UJ	SUR
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Acetone	No	71	71	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Acrylonitrile	No	U	U	ARA
L2607931	SW8081B	Dry	RI-SB-13_0-2	L2607931-02	alpha-Chlordane (cis)	Yes	6.22	6.22 J	CCR
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	Anthracene	Yes	U	UJ	SUR
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Benzene	No	0.22 J	0.22 J	ARA
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	Benzo(a)anthracene	Yes	110	110 J-	SUR
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	Benzo(a)pyrene	Yes	83 J	83 J-	SUR
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	Benzo(b)fluoranthene	Yes	170	170 J-	SUR
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	Benzo(g,h,i)perylene	Yes	93 J	93 J-	SUR
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	Benzo(k)fluoranthene	Yes	48 J	48 J-	SUR
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	Biphenyl	Yes	U	UJ	SUR
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	bis(2-Ethylhexyl)phthalate	Yes	U	UJ	SUR
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Bromobenzene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Bromodichloromethane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Bromoform	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Bromomethane (Methyl Bromide)	No	U	U	ARA
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	Butyl benzylphthalate (BBP)	Yes	U	UJ	SUR
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	Carbazole	Yes	U	UJ	SUR
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Carbon disulfide	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Carbon tetrachloride	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Chlorobenzene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Chlorobromomethane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Chloroethane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Chloroform (Trichloromethane)	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Chloromethane (Methyl Chloride)	No	U	U	ARA
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	Chrysene	Yes	140	140 J-	SUR
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	cis-1,2-Dichloroethene	No	U	U	ARA

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	cis-1,3-Dichloropropene	No	U	U	ARA
L2607931	SW9012B	Dry	RI-SB-13_0-2	L2607931-02	Cyanide	Yes	U	UJ	LCS
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Cymene (p-Isopropyltoluene)	No	U	U	ARA
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	Dibenz(a,h)anthracene	Yes	U	UJ	SUR
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	Dibenzofuran	Yes	U	UJ	SUR
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Dibromochloromethane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Dibromomethane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Dichlorodifluoromethane (CFC-12)	No	U	U	ARA
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	Diethyl phthalate	Yes	U	UJ	SUR
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	Dimethyl phthalate	Yes	U	UJ	SUR
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	Di-n-butylphthalate (DBP)	Yes	U	UJ	SUR
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	Di-n-octyl phthalate (DnOP)	Yes	U	UJ	SUR
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Ethyl Ether	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Ethylbenzene	No	U	U	ARA
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	Fluoranthene	Yes	190	190 J-	SUR
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	Fluorene	Yes	U	UJ	SUR
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	Hexachlorobenzene	Yes	U	UJ	SUR
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Hexachlorobutadiene	No	U	U	ARA
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	Hexachlorocyclopentadiene	Yes	U	UJ	SUR
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	Indeno(1,2,3-cd)pyrene	Yes	74 J	74 J-	SUR
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Isopropylbenzene (Cumene)	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	m,p-Xylenes	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Methyl Tert Butyl Ether (MTBE)	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Methylene chloride (Dichloromethane)	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Naphthalene	No	6.7	6.7 U	MBK,ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	n-Butylbenzene	No	U	U	ARA
L2607931	E1633A	Dry	RI-SB-13_0-2	L2607931-02	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL
L2607931	E1633A	Dry	RI-SB-13_0-2	L2607931-02	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	Yes	U	UJ	IDL
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	N-Nitrosodiphenylamine	Yes	U	UJ	SUR
L2607931	E1633A	Dry	RI-SB-13_0-2	L2607931-02	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	n-Propylbenzene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	o-Xylene	No	U	U	ARA
L2607931	SW8270E	Dry	RI-SB-13_0-2	L2607931-02	Pyrene	Yes	160	160 J-	SUR
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Styrene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	tert-Butylbenzene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Tetrachloroethene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Toluene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	trans-1,2-Dichloroethene	No	U	U	ARA

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	trans-1,3-Dichloropropene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	trans-1,4-Dichloro-2-butene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Trichloroethene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Trichlorofluoromethane (CFC-11)	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Vinyl acetate	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Vinyl chloride	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_0-2	L2607931-02	Xylene (Total)	No	U	U	ARA
L2607931	SW8270E	Dry	RI-SB-13_10-12	L2607931-03	1,2,4-Trichlorobenzene	Yes	U	UJ	SUR
L2607931	SW8270E	Dry	RI-SB-13_10-12	L2607931-03	1,2-Dichlorobenzene	Yes	U	UJ	SUR
L2607931	SW8270E	Dry	RI-SB-13_10-12	L2607931-03	1,3-Dichlorobenzene	Yes	U	UJ	SUR
L2607931	SW8270E	Dry	RI-SB-13_10-12	L2607931-03	1,4-Dichlorobenzene	Yes	U	UJ	SUR
L2607931	SW8270E	Dry	RI-SB-13_10-12	L2607931-03	4-Chloroaniline	Yes	U	UJ	SUR
L2607931	SW8270E	Dry	RI-SB-13_10-12	L2607931-03	Acetophenone	Yes	U	UJ	SUR
L2607931	SW8081B	Dry	RI-SB-13_10-12	L2607931-03	alpha-Chlordane (cis)	Yes	5.23	5.23 J	CCR
L2607931	SW8082A	Dry	RI-SB-13_10-12	L2607931-03	Aroclor-1248 (PCB-1248)	Yes	39.4 J	39.4 J	CCR
L2607931	SW8270E	Dry	RI-SB-13_10-12	L2607931-03	Benzyl Alcohol	Yes	U	UJ	SUR
L2607931	SW8270E	Dry	RI-SB-13_10-12	L2607931-03	bis(2-Chloroethoxy)methane	Yes	U	UJ	SUR
L2607931	SW8270E	Dry	RI-SB-13_10-12	L2607931-03	bis(2-Chloroethyl)ether	Yes	U	UJ	SUR
L2607931	SW8260D	Dry	RI-SB-13_10-12	L2607931-03	Chloroform (Trichloromethane)	Yes	0.34 J	1.3 U	MBK
L2607931	SW9012B	Dry	RI-SB-13_10-12	L2607931-03	Cyanide	Yes	U	UJ	LCS
L2607931	SW8270E	Dry	RI-SB-13_10-12	L2607931-03	Hexachlorobutadiene	Yes	U	UJ	SUR
L2607931	SW8270E	Dry	RI-SB-13_10-12	L2607931-03	Hexachloroethane	Yes	U	UJ	SUR
L2607931	SW8260D	Dry	RI-SB-13_10-12	L2607931-03	Naphthalene	Yes	5.1	5.1 U	MBK
L2607931	SW8270E	Dry	RI-SB-13_10-12	L2607931-03	Naphthalene	Yes	U	UJ	SUR
L2607931	SW8270E	Dry	RI-SB-13_10-12	L2607931-03	N-Nitrosodi-n-propylamine	Yes	U	UJ	SUR
L2607931	E1633A	Dry	RI-SB-13_10-12	L2607931-03	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2607931	E1633A	Dry	RI-SB-13_10-12	L2607931-03	Perfluorononanoic acid (PFNA)	Yes	0.038 J	0.038 J	ION
L2607931	SW8270E	Dry	RI-SB-13_10-12	L2607931-03	Phenol	Yes	45 J	45 J	LCS
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	1,1,1,2-Tetrachloroethane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	1,1,1-Trichloroethane	No	28 J	28 J	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	1,1,2,2-Tetrachloroethane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	1,1,2-Trichloroethane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	1,1-Dichloroethane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	1,1-Dichloroethene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	1,1-Dichloropropene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	1,2,3-Trichlorobenzene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	1,2,3-Trichloropropane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	1,2,4,5-Tetramethylbenzene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	1,2,4-Trichlorobenzene	No	U	U	ARA
L2607931	SW8270E	Dry	RI-SB-13_20-22	L2607931-04	1,2,4-Trichlorobenzene	Yes	U	UJ	SUR

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	1,2,4-Trimethylbenzene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	1,2-Dibromo-3-chloropropane (DBCP)	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	1,2-Dibromoethane (Ethylene Dibromide)	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	1,2-Dichlorobenzene	No	U	U	ARA
L2607931	SW8270E	Dry	RI-SB-13_20-22	L2607931-04	1,2-Dichlorobenzene	Yes	U	UJ	SUR
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	1,2-Dichloroethane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	1,2-Dichloroethene (total)	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	1,2-Dichloropropane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	1,3,5-Trimethylbenzene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	1,3-Dichlorobenzene	No	U	U	ARA
L2607931	SW8270E	Dry	RI-SB-13_20-22	L2607931-04	1,3-Dichlorobenzene	Yes	U	UJ	SUR
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	1,3-Dichloropropane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	1,3-Dichloropropene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	1,4-Dichlorobenzene	No	U	U	ARA
L2607931	SW8270E	Dry	RI-SB-13_20-22	L2607931-04	1,4-Dichlorobenzene	Yes	U	UJ	SUR
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	1,4-Diethylbenzene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	1,4-Dioxane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	2,2-Dichloropropane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	2-Butanone (Methyl Ethyl Ketone)	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	2-Chlorotoluene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	2-Hexanone (Methyl Butyl Ketone)	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	2-Phenylbutane (sec-Butylbenzene)	No	U	U	ARA
L2607931	SW8270E	Dry	RI-SB-13_20-22	L2607931-04	4-Chloroaniline	Yes	U	UJ	SUR
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	4-Chlorotoluene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Acetone	No	U	U	ARA
L2607931	SW8270E	Dry	RI-SB-13_20-22	L2607931-04	Acetophenone	Yes	U	UJ	SUR
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Acrylonitrile	No	U	U	ARA
L2607931	SW8081B	Dry	RI-SB-13_20-22	L2607931-04	alpha-Chlordane (cis)	Yes	2.84	2.84 J	CCR
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Benzene	No	U	U	ARA
L2607931	SW8270E	Dry	RI-SB-13_20-22	L2607931-04	Benzoic acid	Yes	200 J	200 J+	LCS
L2607931	SW8270E	Dry	RI-SB-13_20-22	L2607931-04	Benzyl Alcohol	Yes	U	UJ	SUR
L2607931	SW8270E	Dry	RI-SB-13_20-22	L2607931-04	bis(2-Chloroethoxy)methane	Yes	U	UJ	SUR
L2607931	SW8270E	Dry	RI-SB-13_20-22	L2607931-04	bis(2-Chloroethyl)ether	Yes	U	UJ	SUR
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Bromobenzene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Bromodichloromethane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Bromoform	No	U	U	ARA

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Bromomethane (Methyl Bromide)	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Carbon disulfide	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Carbon tetrachloride	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Chlorobenzene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Chlorobromomethane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Chloroethane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Chloroform (Trichloromethane)	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Chloromethane (Methyl Chloride)	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	cis-1,2-Dichloroethene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	cis-1,3-Dichloropropene	No	U	U	ARA
L2607931	SW9012B	Dry	RI-SB-13_20-22	L2607931-04	Cyanide	Yes	U	UJ	LCS
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Cymene (p-Isopropyltoluene)	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Dibromochloromethane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Dibromomethane	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Dichlorodifluoromethane (CFC-12)	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Ethyl Ether	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Ethylbenzene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Hexachlorobutadiene	No	U	U	ARA
L2607931	SW8270E	Dry	RI-SB-13_20-22	L2607931-04	Hexachlorobutadiene	Yes	U	UJ	SUR
L2607931	SW8270E	Dry	RI-SB-13_20-22	L2607931-04	Hexachloroethane	Yes	U	UJ	SUR
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Isopropylbenzene (Cumene)	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	m,p-Xylenes	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Methyl Tert Butyl Ether (MTBE)	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Methylene chloride (Dichloromethane)	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Naphthalene	No	50 J	250.0 U	MBK,ARA
L2607931	SW8270E	Dry	RI-SB-13_20-22	L2607931-04	Naphthalene	Yes	U	UJ	SUR
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	n-Butylbenzene	No	U	U	ARA
L2607931	SW8270E	Dry	RI-SB-13_20-22	L2607931-04	N-Nitrosodi-n-propylamine	Yes	U	UJ	SUR
L2607931	E1633A	Dry	RI-SB-13_20-22	L2607931-04	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	Yes	U	R	HTQ
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	n-Propylbenzene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	o-Xylene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Styrene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	tert-Butylbenzene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Tetrachloroethene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Toluene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	trans-1,2-Dichloroethene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	trans-1,3-Dichloropropene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	trans-1,4-Dichloro-2-butene	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Trichloroethene	No	16 J	16 J	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Trichlorofluoromethane (CFC-11)	No	U	U	ARA

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Vinyl acetate	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Vinyl chloride	No	U	U	ARA
L2607931	SW8260D	Dry	RI-SB-13_20-22	L2607931-04	Xylene (Total)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,1,1,2-Tetrachloroethane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,1,1,2-Tetrachloroethane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,1,1-Trichloroethane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,1,1-Trichloroethane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,1,2,2-Tetrachloroethane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,1,2,2-Tetrachloroethane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,1,2-Trichloroethane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,1,2-Trichloroethane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,1-Dichloroethane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,1-Dichloroethane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,1-Dichloroethene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,1-Dichloroethene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,1-Dichloropropene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,1-Dichloropropene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,2,3-Trichlorobenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,2,3-Trichlorobenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,2,3-Trichloropropane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,2,3-Trichloropropane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,2,4,5-Tetramethylbenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,2,4,5-Tetramethylbenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,2,4-Trichlorobenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,2,4-Trichlorobenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,2,4-Trimethylbenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,2,4-Trimethylbenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,2-Dibromo-3-chloropropane (DBCP)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,2-Dibromo-3-chloropropane (DBCP)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,2-Dibromoethane (Ethylene Dibromide)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,2-Dibromoethane (Ethylene Dibromide)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,2-Dichlorobenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,2-Dichlorobenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,2-Dichloroethane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,2-Dichloroethane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,2-Dichloroethene (total)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,2-Dichloroethene (total)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,2-Dichloropropane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,2-Dichloropropane	No	U	U	ARA

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,3,5-Trimethylbenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,3,5-Trimethylbenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,3-Dichlorobenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,3-Dichlorobenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,3-Dichloropropane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,3-Dichloropropane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,3-Dichloropropene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,3-Dichloropropene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,4-Dichlorobenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,4-Dichlorobenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,4-Diethylbenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,4-Diethylbenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,4-Dioxane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	1,4-Dioxane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	2,2-Dichloropropane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	2,2-Dichloropropane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	2-Butanone (Methyl Ethyl Ketone)	No	7.2 J	7.2 J	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	2-Butanone (Methyl Ethyl Ketone)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	2-Chlorotoluene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	2-Chlorotoluene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	2-Hexanone (Methyl Butyl Ketone)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	2-Hexanone (Methyl Butyl Ketone)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	2-Phenylbutane (sec-Butylbenzene)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	2-Phenylbutane (sec-Butylbenzene)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	4-Chlorotoluene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	4-Chlorotoluene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Acetone	No	49	49	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Acetone	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Acrylonitrile	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Acrylonitrile	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Benzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Benzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Bromobenzene	No	U	U	ARA

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Bromobenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Bromodichloromethane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Bromodichloromethane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Bromoform	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Bromoform	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Bromomethane (Methyl Bromide)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Bromomethane (Methyl Bromide)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Carbon disulfide	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Carbon disulfide	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Carbon tetrachloride	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Carbon tetrachloride	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Chlorobenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Chlorobenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Chlorobromomethane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Chlorobromomethane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Chloroethane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Chloroethane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Chloroform (Trichloromethane)	No	0.3 J	0.3 J	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Chloroform (Trichloromethane)	No	9.2 J	9.2 J	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Chloromethane (Methyl Chloride)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Chloromethane (Methyl Chloride)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	cis-1,2-Dichloroethene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	cis-1,2-Dichloroethene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	cis-1,3-Dichloropropene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	cis-1,3-Dichloropropene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Cymene (p-Isopropyltoluene)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Cymene (p-Isopropyltoluene)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Dibromochloromethane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Dibromochloromethane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Dibromomethane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Dibromomethane	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Dichlorodifluoromethane (CFC-12)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Dichlorodifluoromethane (CFC-12)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Ethyl Ether	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Ethyl Ether	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Ethylbenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Ethylbenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Hexachlorobutadiene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Hexachlorobutadiene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Isopropylbenzene (Cumene)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Isopropylbenzene (Cumene)	No	U	U	ARA

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	m,p-Xylenes	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	m,p-Xylenes	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Methyl Tert Butyl Ether (MTBE)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Methyl Tert Butyl Ether (MTBE)	No	0.4 J	0.4 J	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Methylene chloride (Dichloromethane)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Methylene chloride (Dichloromethane)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Naphthalene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Naphthalene	No	77 J	77 J	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	n-Butylbenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	n-Butylbenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	n-Propylbenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	n-Propylbenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	o-Xylene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	o-Xylene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Styrene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Styrene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	tert-Butylbenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	tert-Butylbenzene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Tetrachloroethene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Tetrachloroethene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Toluene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Toluene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	trans-1,2-Dichloroethene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	trans-1,2-Dichloroethene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	trans-1,3-Dichloropropene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	trans-1,3-Dichloropropene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	trans-1,4-Dichloro-2-butene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	trans-1,4-Dichloro-2-butene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Trichloroethene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Trichloroethene	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Trichlorofluoromethane (CFC-11)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Trichlorofluoromethane (CFC-11)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Vinyl acetate	No	U	UJ	LCS,ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Vinyl acetate	No	U	UJ	LCS,ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Vinyl chloride	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Vinyl chloride	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Xylene (Total)	No	U	U	ARA
L2608265	SW8260D	Wet	TB-01_20260213	L2608265-01	Xylene (Total)	No	U	U	ARA
L2608265	SW6010D	Dry	RI-SB-07_20-22	L2608265-02	Antimony	Yes	U	UJ	MSD
L2608265	SW8082A	Dry	RI-SB-07_20-22	L2608265-02	Aroclor-1260 (PCB-1260)	Yes	203	203 J	CCR
L2608265	SW6010D	Dry	RI-SB-07_20-22	L2608265-02	Barium	Yes	121	121 J+	MSD

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2608265	SW6010D	Dry	RI-SB-07_20-22	L2608265-02	Cadmium	Yes	0.736 J	0.736 J+	MSD
L2608265	SW6010D	Dry	RI-SB-07_20-22	L2608265-02	Calcium	Yes	9650	9650 J	DUP
L2608265	SW8260D	Dry	RI-SB-07_20-22	L2608265-02	Chloroform (Trichloromethane)	Yes	14 J	81.0 U	TBK
L2608265	SW7196A	Dry	RI-SB-07_20-22	L2608265-02	Chromium VI (Hexavalent)	Yes	U	R	MSD
L2608265	SW6010D	Dry	RI-SB-07_20-22	L2608265-02	Cobalt	Yes	14.2	14.2 J	DUP
L2608265	SW6010D	Dry	RI-SB-07_20-22	L2608265-02	Lead	Yes	122	122 J+	MSD
L2608265	SW6010D	Dry	RI-SB-07_20-22	L2608265-02	Magnesium	Yes	4790	4790 J	DUP
L2608265	SW6010D	Dry	RI-SB-07_20-22	L2608265-02	Manganese	Yes	412	412 J	DUP
L2608265	SW8260D	Dry	RI-SB-07_20-22	L2608265-02	Naphthalene	Yes	84 J	220.0 U	TBK
L2608265	SW6010D	Dry	RI-SB-07_20-22	L2608265-02	Nickel	Yes	53.5	53.5 J+	DUP,MSD
L2608265	E1633A	Dry	RI-SB-07_20-22	L2608265-02	Perfluorohexanesulfonic acid (PFHxS)	Yes	U	UJ	LCS
L2608265	SW6010D	Dry	RI-SB-07_20-22	L2608265-02	Potassium	Yes	2550	2550 J-	DUP,MSD
L2608265	SW6010D	Dry	RI-SB-07_20-22	L2608265-02	Silver	Yes	0.861 J	0.861 J+	MSD
L2608265	SW8260D	Dry	RI-SB-07_20-22	L2608265-02	Vinyl acetate	Yes	U	UJ	LCS
L2608265	SW8260D	Dry	RI-SB-07_23-25	L2608265-03	Acetone	Yes	8.6 J	11.0 U	TBK
L2608265	SW6010D	Dry	RI-SB-07_23-25	L2608265-03	Antimony	Yes	U	UJ	MSD
L2608265	SW8082A	Dry	RI-SB-07_23-25	L2608265-03	Aroclor-1260 (PCB-1260)	Yes	37.4 J	37.4 J	CCR
L2608265	SW6010D	Dry	RI-SB-07_23-25	L2608265-03	Barium	Yes	85.5	85.5 J+	MSD
L2608265	SW6010D	Dry	RI-SB-07_23-25	L2608265-03	Cadmium	Yes	0.303 J	0.303 J+	MSD
L2608265	SW6010D	Dry	RI-SB-07_23-25	L2608265-03	Calcium	Yes	3030	3030 J	DUP
L2608265	SW8260D	Dry	RI-SB-07_23-25	L2608265-03	Chloroform (Trichloromethane)	Yes	0.2 J	1.6 U	TBK
L2608265	SW7196A	Dry	RI-SB-07_23-25	L2608265-03	Chromium VI (Hexavalent)	Yes	0.199 J	0.199 J-	MSD
L2608265	SW6010D	Dry	RI-SB-07_23-25	L2608265-03	Cobalt	Yes	4.35	4.35 J	DUP
L2608265	SW6010D	Dry	RI-SB-07_23-25	L2608265-03	Lead	Yes	69.7	69.7 J+	MSD
L2608265	SW6010D	Dry	RI-SB-07_23-25	L2608265-03	Magnesium	Yes	2720	2720 J	DUP
L2608265	SW6010D	Dry	RI-SB-07_23-25	L2608265-03	Manganese	Yes	79.6	79.6 J	DUP
L2608265	E1633A	Dry	RI-SB-07_23-25	L2608265-03	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL
L2608265	SW6010D	Dry	RI-SB-07_23-25	L2608265-03	Nickel	Yes	11.1	11.1 J+	DUP,MSD
L2608265	E1633A	Dry	RI-SB-07_23-25	L2608265-03	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	Yes	U	UJ	IDL
L2608265	E1633A	Dry	RI-SB-07_23-25	L2608265-03	Perfluorohexanesulfonic acid (PFHxS)	Yes	U	UJ	LCS
L2608265	SW6010D	Dry	RI-SB-07_23-25	L2608265-03	Potassium	Yes	1380	1380 J-	DUP,MSD
L2608265	SW8260D	Dry	RI-SB-07_23-25	L2608265-03	Vinyl acetate	Yes	U	UJ	LCS
L2608265	SW8260D	Dry	RI-SB-09_20-22	L2608265-04	2-Butanone (Methyl Ethyl Ketone)	Yes	5.7 J	11.0 U	TBK
L2608265	SW8260D	Dry	RI-SB-09_20-22	L2608265-04	Acetone	Yes	37	37.0 U	TBK
L2608265	SW6010D	Dry	RI-SB-09_20-22	L2608265-04	Antimony	Yes	U	UJ	MSD
L2608265	SW6010D	Dry	RI-SB-09_20-22	L2608265-04	Barium	Yes	61.8	61.8 J+	MSD
L2608265	SW6010D	Dry	RI-SB-09_20-22	L2608265-04	Cadmium	Yes	0.29 J	0.29 J+	MSD
L2608265	SW6010D	Dry	RI-SB-09_20-22	L2608265-04	Calcium	Yes	13000	13000 J	DUP
L2608265	SW7196A	Dry	RI-SB-09_20-22	L2608265-04	Chromium VI (Hexavalent)	Yes	U	R	MSD

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2608265	SW6010D	Dry	RI-SB-09_20-22	L2608265-04	Cobalt	Yes	6.58	6.58 J	DUP
L2608265	SW8081B	Dry	RI-SB-09_20-22	L2608265-04	gamma-Chlordane (trans)	Yes	1.2 J	1.2 J	CCR
L2608265	SW6010D	Dry	RI-SB-09_20-22	L2608265-04	Lead	Yes	72.8	72.8 J+	MSD
L2608265	SW6010D	Dry	RI-SB-09_20-22	L2608265-04	Magnesium	Yes	7480	7480 J	DUP
L2608265	SW6010D	Dry	RI-SB-09_20-22	L2608265-04	Manganese	Yes	242	242 J	DUP
L2608265	SW8260D	Dry	RI-SB-09_20-22	L2608265-04	Naphthalene	Yes	0.89 J	4.6 U	TBK
L2608265	E1633A	Dry	RI-SB-09_20-22	L2608265-04	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL
L2608265	SW6010D	Dry	RI-SB-09_20-22	L2608265-04	Nickel	Yes	20.5	20.5 J+	DUP,MSD
L2608265	E1633A	Dry	RI-SB-09_20-22	L2608265-04	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	Yes	U	UJ	IDL
L2608265	E1633A	Dry	RI-SB-09_20-22	L2608265-04	Perfluorohexanesulfonic acid (PFHxS)	Yes	U	UJ	LCS
L2608265	SW6010D	Dry	RI-SB-09_20-22	L2608265-04	Potassium	Yes	1520	1520 J-	DUP,MSD
L2608265	SW6010D	Dry	RI-SB-09_20-22	L2608265-04	Silver	Yes	0.832	0.832 J+	MSD
L2608265	SW8260D	Dry	RI-SB-09_20-22	L2608265-04	Vinyl acetate	Yes	U	UJ	LCS
L2608265	SW8260D	Dry	RI-SB-06_0-2	L2608265-05	Acetone	Yes	5.2 J	10.0 U	TBK
L2608265	SW8081B	Dry	RI-SB-06_0-2	L2608265-05	alpha-Chlordane (cis)	Yes	1.75 J	1.75 J	CCR
L2608265	SW6010D	Dry	RI-SB-06_0-2	L2608265-05	Antimony	Yes	U	UJ	MSD
L2608265	SW6010D	Dry	RI-SB-06_0-2	L2608265-05	Barium	Yes	60.2	60.2 J+	MSD
L2608265	SW6010D	Dry	RI-SB-06_0-2	L2608265-05	Cadmium	Yes	0.198 J	0.198 J+	MSD
L2608265	SW6010D	Dry	RI-SB-06_0-2	L2608265-05	Calcium	Yes	2220	2220 J	DUP
L2608265	SW7196A	Dry	RI-SB-06_0-2	L2608265-05	Chromium VI (Hexavalent)	Yes	U	R	MSD
L2608265	SW6010D	Dry	RI-SB-06_0-2	L2608265-05	Cobalt	Yes	6.46	6.46 J	DUP
L2608265	SW6010D	Dry	RI-SB-06_0-2	L2608265-05	Lead	Yes	60.6	60.6 J+	MSD
L2608265	SW6010D	Dry	RI-SB-06_0-2	L2608265-05	Magnesium	Yes	3790	3790 J	DUP
L2608265	SW6010D	Dry	RI-SB-06_0-2	L2608265-05	Manganese	Yes	285	285 J	DUP
L2608265	SW8260D	Dry	RI-SB-06_0-2	L2608265-05	Naphthalene	Yes	0.92 J	4.0 U	TBK
L2608265	SW6010D	Dry	RI-SB-06_0-2	L2608265-05	Nickel	Yes	14	14 J+	DUP,MSD
L2608265	E1633A	Dry	RI-SB-06_0-2	L2608265-05	Perfluorohexanesulfonic acid (PFHxS)	Yes	U	UJ	LCS
L2608265	SW6010D	Dry	RI-SB-06_0-2	L2608265-05	Potassium	Yes	1670	1670 J-	DUP,MSD
L2608265	SW8260D	Dry	RI-SB-06_10-12	L2608265-06	Acetone	Yes	12	12.0 U	TBK
L2608265	SW8081B	Dry	RI-SB-06_10-12	L2608265-06	alpha-Chlordane (cis)	Yes	3.18	3.18 J	CCR
L2608265	SW6010D	Dry	RI-SB-06_10-12	L2608265-06	Antimony	Yes	U	UJ	MSD
L2608265	SW6010D	Dry	RI-SB-06_10-12	L2608265-06	Barium	Yes	77.2	77.2 J+	MSD
L2608265	SW6010D	Dry	RI-SB-06_10-12	L2608265-06	Cadmium	Yes	0.171 J	0.171 J+	MSD
L2608265	SW6010D	Dry	RI-SB-06_10-12	L2608265-06	Calcium	Yes	15200	15200 J	DUP
L2608265	SW7196A	Dry	RI-SB-06_10-12	L2608265-06	Chromium VI (Hexavalent)	Yes	U	R	MSD
L2608265	SW6010D	Dry	RI-SB-06_10-12	L2608265-06	Cobalt	Yes	6.27	6.27 J	DUP
L2608265	SW8081B	Dry	RI-SB-06_10-12	L2608265-06	gamma-Chlordane (trans)	Yes	2.44	2.44 J	CCR
L2608265	SW6010D	Dry	RI-SB-06_10-12	L2608265-06	Lead	Yes	79.2	79.2 J+	MSD
L2608265	SW6010D	Dry	RI-SB-06_10-12	L2608265-06	Magnesium	Yes	7470	7470 J	DUP

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2608265	SW6010D	Dry	RI-SB-06_10-12	L2608265-06	Manganese	Yes	292	292 J	DUP
L2608265	SW8260D	Dry	RI-SB-06_10-12	L2608265-06	Naphthalene	Yes	1.3 J	4.6 U	TBK
L2608265	SW6010D	Dry	RI-SB-06_10-12	L2608265-06	Nickel	Yes	15.2	15.2 J+	DUP,MSD
L2608265	E1633A	Dry	RI-SB-06_10-12	L2608265-06	Perfluorohexanesulfonic acid (PFHxS)	Yes	U	UJ	LCS
L2608265	E1633A	Dry	RI-SB-06_10-12	L2608265-06	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2608265	E1633A	Dry	RI-SB-06_10-12	L2608265-06	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2608265	SW6010D	Dry	RI-SB-06_10-12	L2608265-06	Potassium	Yes	1960	1960 J-	DUP,MSD
L2608265	SW6010D	Dry	RI-SB-06_10-12	L2608265-06	Silver	Yes	0.595	0.595 J+	MSD
L2608265	SW8260D	Dry	RI-SB-06_20-22	L2608265-07	Acetone	Yes	6.7 J	12.0 U	TBK
L2608265	SW6010D	Dry	RI-SB-06_20-22	L2608265-07	Antimony	Yes	U	UJ	MSD
L2608265	SW6010D	Dry	RI-SB-06_20-22	L2608265-07	Barium	Yes	69	69 J+	MSD
L2608265	SW6010D	Dry	RI-SB-06_20-22	L2608265-07	Calcium	Yes	24900	24900 J	DUP
L2608265	SW7196A	Dry	RI-SB-06_20-22	L2608265-07	Chromium VI (Hexavalent)	Yes	U	R	MSD
L2608265	SW6010D	Dry	RI-SB-06_20-22	L2608265-07	Cobalt	Yes	6.34	6.34 J	DUP
L2608265	SW6010D	Dry	RI-SB-06_20-22	L2608265-07	Lead	Yes	3.34 J	3.34 J+	MSD
L2608265	SW6010D	Dry	RI-SB-06_20-22	L2608265-07	Magnesium	Yes	13600	13600 J	DUP
L2608265	SW6010D	Dry	RI-SB-06_20-22	L2608265-07	Manganese	Yes	236	236 J	DUP
L2608265	SW6010D	Dry	RI-SB-06_20-22	L2608265-07	Nickel	Yes	14.4	14.4 J+	DUP,MSD
L2608265	E1633A	Dry	RI-SB-06_20-22	L2608265-07	Perfluorohexanesulfonic acid (PFHxS)	Yes	U	UJ	LCS
L2608265	SW6010D	Dry	RI-SB-06_20-22	L2608265-07	Potassium	Yes	3090	3090 J-	DUP,MSD
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,1,1,2-Tetrachloroethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,1,1,2-Tetrachloroethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,1,1-Trichloroethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,1,1-Trichloroethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,1,2,2-Tetrachloroethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,1,2,2-Tetrachloroethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,1,2-Trichloroethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,1,2-Trichloroethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,1-Dichloroethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,1-Dichloroethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,1-Dichloroethene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,1-Dichloroethene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,1-Dichloropropene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,1-Dichloropropene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,2,3-Trichlorobenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,2,3-Trichlorobenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,2,3-Trichloropropane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,2,3-Trichloropropane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,2,4,5-Tetramethylbenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,2,4,5-Tetramethylbenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,2,4-Trichlorobenzene	No	U	U	ARA

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,2,4-Trichlorobenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,2,4-Trimethylbenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,2,4-Trimethylbenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,2-Dibromo-3-chloropropane (DBCP)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,2-Dibromo-3-chloropropane (DBCP)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,2-Dibromoethane (Ethylene Dibromide)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,2-Dibromoethane (Ethylene Dibromide)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,2-Dichlorobenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,2-Dichlorobenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,2-Dichloroethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,2-Dichloroethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,2-Dichloroethene (total)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,2-Dichloroethene (total)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,2-Dichloropropane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,2-Dichloropropane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,3,5-Trimethylbenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,3,5-Trimethylbenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,3-Dichlorobenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,3-Dichlorobenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,3-Dichloropropane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,3-Dichloropropane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,3-Dichloropropene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,3-Dichloropropene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,4-Dichlorobenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,4-Dichlorobenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,4-Diethylbenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,4-Diethylbenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,4-Dioxane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	1,4-Dioxane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	2,2-Dichloropropane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	2,2-Dichloropropane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	2-Butanone (Methyl Ethyl Ketone)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	2-Butanone (Methyl Ethyl Ketone)	No	2.8 J	2.8 J	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	2-Chlorotoluene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	2-Chlorotoluene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	2-Hexanone (Methyl Butyl Ketone)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	2-Hexanone (Methyl Butyl Ketone)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	2-Phenylbutane (sec-Butylbenzene)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	2-Phenylbutane (sec-Butylbenzene)	No	U	U	ARA

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	4-Chlorotoluene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	4-Chlorotoluene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Acetone	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Acetone	No	15	15	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Acrylonitrile	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Acrylonitrile	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Benzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Benzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Bromobenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Bromobenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Bromodichloromethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Bromodichloromethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Bromoform	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Bromoform	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Bromomethane (Methyl Bromide)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Bromomethane (Methyl Bromide)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Carbon disulfide	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Carbon disulfide	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Carbon tetrachloride	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Carbon tetrachloride	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Chlorobenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Chlorobenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Chlorobromomethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Chlorobromomethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Chloroethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Chloroethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Chloroform (Trichloromethane)	No	0.21 J	0.21 J	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Chloroform (Trichloromethane)	No	35 J	35 J	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Chloroform (Trichloromethane)	Yes	0.14 J	1.5 U	MBK
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Chloromethane (Methyl Chloride)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Chloromethane (Methyl Chloride)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	cis-1,2-Dichloroethene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	cis-1,2-Dichloroethene	No	U	U	ARA

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	cis-1,3-Dichloropropene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	cis-1,3-Dichloropropene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Cymene (p-Isopropyltoluene)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Cymene (p-Isopropyltoluene)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Dibromochloromethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Dibromochloromethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Dibromomethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Dibromomethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Dichlorodifluoromethane (CFC-12)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Dichlorodifluoromethane (CFC-12)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Ethyl Ether	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Ethyl Ether	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Ethylbenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Ethylbenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Hexachlorobutadiene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Hexachlorobutadiene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Isopropylbenzene (Cumene)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Isopropylbenzene (Cumene)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	m,p-Xylenes	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	m,p-Xylenes	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Methyl Tert Butyl Ether (MTBE)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Methyl Tert Butyl Ether (MTBE)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Methylene chloride (Dichloromethane)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Methylene chloride (Dichloromethane)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Naphthalene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Naphthalene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	n-Butylbenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	n-Butylbenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	n-Propylbenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	n-Propylbenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	o-Xylene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	o-Xylene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Styrene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Styrene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	tert-Butylbenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	tert-Butylbenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Tetrachloroethene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Tetrachloroethene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Toluene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Toluene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	trans-1,2-Dichloroethene	No	U	U	ARA

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	trans-1,2-Dichloroethene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	trans-1,3-Dichloropropene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	trans-1,3-Dichloropropene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	trans-1,4-Dichloro-2-butene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	trans-1,4-Dichloro-2-butene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Trichloroethene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Trichloroethene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Trichlorofluoromethane (CFC-11)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Trichlorofluoromethane (CFC-11)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Vinyl acetate	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Vinyl acetate	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Vinyl chloride	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Vinyl chloride	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Xylene (Total)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-01_20260216	L2608462-01	Xylene (Total)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	1,1,1,2-Tetrachloroethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	1,1,1-Trichloroethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	1,1,2,2-Tetrachloroethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	1,1,2-Trichloroethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	1,1-Dichloroethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	1,1-Dichloroethene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	1,1-Dichloropropene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	1,2,3-Trichlorobenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	1,2,3-Trichloropropane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	1,2,4,5-Tetramethylbenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	1,2,4-Trichlorobenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	1,2,4-Trimethylbenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	1,2-Dibromo-3-chloropropane (DBCP)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	1,2-Dibromoethane (Ethylene Dibromide)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	1,2-Dichlorobenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	1,2-Dichloroethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	1,2-Dichloroethene (total)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	1,2-Dichloropropane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	1,3,5-Trimethylbenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	1,3-Dichlorobenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	1,3-Dichloropropane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	1,3-Dichloropropene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	1,4-Dichlorobenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	1,4-Diethylbenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	1,4-Dioxane	No	U	U	ARA

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	2,2-Dichloropropane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	2-Butanone (Methyl Ethyl Ketone)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	2-Chlorotoluene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	2-Hexanone (Methyl Butyl Ketone)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	2-Phenylbutane (sec-Butylbenzene)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	4-Chlorotoluene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Acetone	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Acrylonitrile	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Benzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Bromobenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Bromodichloromethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Bromoform	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Bromomethane (Methyl Bromide)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Carbon disulfide	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Carbon tetrachloride	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Chlorobenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Chlorobromomethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Chloroethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Chloroform (Trichloromethane)	No	38 J	38 J	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Chloromethane (Methyl Chloride)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	cis-1,2-Dichloroethene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	cis-1,3-Dichloropropene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Cymene (p-Isopropyltoluene)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Dibromochloromethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Dibromomethane	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Dichlorodifluoromethane (CFC-12)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Ethyl Ether	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Ethylbenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Hexachlorobutadiene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Isopropylbenzene (Cumene)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	m,p-Xylenes	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Methyl Tert Butyl Ether (MTBE)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Methylene chloride (Dichloromethane)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Naphthalene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	n-Butylbenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	n-Propylbenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	o-Xylene	No	U	U	ARA

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Styrene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	tert-Butylbenzene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Tetrachloroethene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Toluene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	trans-1,2-Dichloroethene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	trans-1,3-Dichloropropene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	trans-1,4-Dichloro-2-butene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Trichloroethene	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Trichlorofluoromethane (CFC-11)	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Vinyl acetate	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Vinyl chloride	No	U	U	ARA
L2608462	SW8260D	Wet	TB-02_20260216	L2608462-02	Xylene (Total)	No	U	U	ARA
L2608462	SW8260D	Dry	RI-SB-17_0-2	L2608462-03	Acetone	Yes	16	16.0 U	TBK
L2608462	SW8081B	Dry	RI-SB-17_0-2	L2608462-03	alpha-Chlordane (cis)	Yes	4.77	4.77 J	CCR
L2608462	SW8260D	Dry	RI-SB-17_0-2	L2608462-03	Chloroform (Trichloromethane)	Yes	0.2 J	1.5 U	TBK
L2608462	SW9012B	Dry	RI-SB-17_0-2	L2608462-03	Cyanide	Yes	U	UJ	LCS
L2608462	SW8081B	Dry	RI-SB-17_0-2	L2608462-03	gamma-Chlordane (trans)	Yes	5.43	5.43 J	CCR
L2608462	SW8081B	Dry	RI-SB-17_0-2	L2608462-03	Heptachlor	Yes	U	UJ	CCR
L2608462	E1633A	Dry	RI-SB-17_0-2	L2608462-03	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	Yes	U	UJ	IDL
L2608462	E1633A	Dry	RI-SB-17_0-2	L2608462-03	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL
L2608462	E1633A	Dry	RI-SB-17_0-2	L2608462-03	N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	Yes	U	UJ	IDL
L2608462	E1633A	Dry	RI-SB-17_0-2	L2608462-03	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	Yes	U	UJ	IDL
L2608462	SW8260D	Dry	RI-SB-17_10-12	L2608462-04	2-Butanone (Methyl Ethyl Ketone)	Yes	2.5 J	11.0 U	TBK
L2608462	SW8260D	Dry	RI-SB-17_10-12	L2608462-04	Acetone	Yes	13	13.0 U	TBK
L2608462	SW8081B	Dry	RI-SB-17_10-12	L2608462-04	alpha-Chlordane (cis)	Yes	2.77	2.77 J	CCR
L2608462	SW8082A	Dry	RI-SB-17_10-12	L2608462-04	Aroclor-1248 (PCB-1248)	Yes	37.2 J	37.2 J	CCR
L2608462	SW9012B	Dry	RI-SB-17_10-12	L2608462-04	Cyanide	Yes	U	UJ	LCS
L2608462	SW8260D	Dry	RI-SB-17_20-22	L2608462-05	2-Butanone (Methyl Ethyl Ketone)	Yes	12 J	13.0 U	TBK
L2608462	SW8260D	Dry	RI-SB-17_20-22	L2608462-05	Chloroform (Trichloromethane)	Yes	0.31 J	1.9 U	TBK
L2608462	SW9012B	Dry	RI-SB-17_20-22	L2608462-05	Cyanide	Yes	U	UJ	LCS
L2608462	E1633A	Dry	RI-SB-17_20-22	L2608462-05	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL
L2608462	E1633A	Dry	RI-SB-17_20-22	L2608462-05	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	Yes	U	UJ	IDL
L2608462	SW8081B	Dry	RI-SB-18_0-2	L2608462-06	4,4'-DDT	Yes	U	UJ	CCR

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2608462	SW8081B	Dry	RI-SB-18_0-2	L2608462-06	alpha-Chlordane (cis)	Yes	2.31 J	2.31 J	CCR
L2608462	SW8081B	Dry	RI-SB-18_0-2	L2608462-06	Chlordane	Yes	18.6	18.6 J	CCR
L2608462	SW9012B	Dry	RI-SB-18_0-2	L2608462-06	Cyanide	Yes	U	UJ	LCS
L2608462	SW8081B	Dry	RI-SB-18_0-2	L2608462-06	gamma-Chlordane (trans)	Yes	2.44	2.44 J	CCR
L2608462	SW8260D	Dry	RI-SB-18_14-16	L2608462-07	Chloroform (Trichloromethane)	Yes	90 J	260.0 U	MBK
L2608462	SW9012B	Dry	RI-SB-18_14-16	L2608462-07	Cyanide	Yes	0.34 J	0.34 J-	LCS
L2608462	SW8260D	Dry	RI-SB-18_20-22	L2608462-08	2-Butanone (Methyl Ethyl Ketone)	Yes	5.6 J	10.0 U	TBK
L2608462	SW8260D	Dry	RI-SB-18_20-22	L2608462-08	Acetone	Yes	22	22.0 U	TBK
L2608462	SW8081B	Dry	RI-SB-18_20-22	L2608462-08	alpha-Chlordane (cis)	Yes	3.62	3.62 J	CCR
L2608462	SW8082A	Dry	RI-SB-18_20-22	L2608462-08	Aroclor-1248 (PCB-1248)	Yes	23.2 J	23.2 J	CCR
L2608462	SW8260D	Dry	RI-SB-18_20-22	L2608462-08	Chloroform (Trichloromethane)	Yes	0.28 J	1.6 U	TBK
L2608462	SW9012B	Dry	RI-SB-18_20-22	L2608462-08	Cyanide	Yes	U	UJ	LCS
L2608462	SW8081B	Dry	RI-SB-18_20-22	L2608462-08	Heptachlor	Yes	0.47 J	0.47 J	CCR
L2608462	SW8081B	Dry	RI-SB-14_0-2	L2608462-09	4,4'-DDT	Yes	5.16	5.16 J	CCR
L2608462	SW8081B	Dry	RI-SB-14_0-2	L2608462-09	alpha-Chlordane (cis)	Yes	28.3	28.3 J	CCR
L2608462	SW8082A	Dry	RI-SB-14_0-2	L2608462-09	Aroclor-1254 (PCB-1254)	Yes	158	158 J	CCR
L2608462	SW9012B	Dry	RI-SB-14_0-2	L2608462-09	Cyanide	Yes	U	UJ	LCS
L2608462	E1633A	Dry	RI-SB-14_0-2	L2608462-09	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL
L2608462	SW8260D	Dry	RI-SB-14_10-12	L2608462-10	Acetone	Yes	15	15.0 U	TBK
L2608462	SW8081B	Dry	RI-SB-14_10-12	L2608462-10	alpha-Chlordane (cis)	Yes	4.35	4.35 J	CCR
L2608462	SW8082A	Dry	RI-SB-14_10-12	L2608462-10	Aroclor-1254 (PCB-1254)	Yes	53.7 J	53.7 J	CCR
L2608462	SW8260D	Dry	RI-SB-14_10-12	L2608462-10	Chloroform (Trichloromethane)	Yes	0.27 J	1.7 U	TBK
L2608462	SW9012B	Dry	RI-SB-14_10-12	L2608462-10	Cyanide	Yes	0.29 J	0.29 J-	LCS
L2608462	SW8081B	Dry	RI-SB-14_10-12	L2608462-10	gamma-Chlordane (trans)	Yes	5.17	5.17 J	CCR
L2608462	SW8081B	Dry	RI-SB-14_10-12	L2608462-10	Heptachlor	Yes	U	UJ	CCR
L2608462	SW8260D	Dry	RI-SB-14_20-22	L2608462-11	2-Butanone (Methyl Ethyl Ketone)	Yes	6.4 J	11.0 U	TBK
L2608462	SW8081B	Dry	RI-SB-14_20-22	L2608462-11	alpha-Chlordane (cis)	Yes	1.37 J	1.37 J	CCR
L2608462	SW8260D	Dry	RI-SB-14_20-22	L2608462-11	Chloroform (Trichloromethane)	Yes	0.26 J	1.6 U	MBK
L2608462	SW9012B	Dry	RI-SB-14_20-22	L2608462-11	Cyanide	Yes	0.26 J	0.26 J-	LCS
L2608462	SW8081B	Dry	RI-SB-15_0-2	L2608462-12	alpha-Chlordane (cis)	Yes	7.43	7.43 J	CCR
L2608462	SW8082A	Dry	RI-SB-15_0-2	L2608462-12	Aroclor-1248 (PCB-1248)	Yes	25.1 J	25.1 J	CCR
L2608462	SW8260D	Dry	RI-SB-15_0-2	L2608462-12	Chloroform (Trichloromethane)	Yes	0.22 J	1.6 U	MBK
L2608462	SW9012B	Dry	RI-SB-15_0-2	L2608462-12	Cyanide	Yes	U	UJ	LCS
L2608462	SW8081B	Dry	RI-SB-15_0-2	L2608462-12	gamma-Chlordane (trans)	Yes	8.56	8.56 J	CCR
L2608462	SW8081B	Dry	RI-SB-15_0-2	L2608462-12	Heptachlor	Yes	0.626 J	0.626 J	CCR
L2608462	E1633A	Dry	RI-SB-15_0-2	L2608462-12	N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	Yes	U	UJ	IDL
L2608462	E1633A	Dry	RI-SB-15_0-2	L2608462-12	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2608462	E1633A	Dry	RI-SB-15_0-2	L2608462-12	N-Methylperfluorooctane sulfonamide (N-MeFOSA)	Yes	U	UJ	IDL
L2608462	E1633A	Dry	RI-SB-15_0-2	L2608462-12	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	Yes	U	UJ	IDL
L2608462	E1633A	Dry	RI-SB-15_0-2	L2608462-12	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2608462	E1633A	Dry	RI-SB-15_0-2	L2608462-12	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2608462	SW8260D	Dry	RI-SB-15_10-12	L2608462-13	Acetone	Yes	6.3 J	11.0 U	TBK
L2608462	SW8081B	Dry	RI-SB-15_10-12	L2608462-13	alpha-Chlordane (cis)	Yes	3.04	3.04 J	CCR
L2608462	SW9012B	Dry	RI-SB-15_10-12	L2608462-13	Cyanide	Yes	U	UJ	LCS
L2608462	E1633A	Dry	RI-SB-15_10-12	L2608462-13	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	1,2,4,5-Tetrachlorobenzene	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	1,2,4-Trichlorobenzene	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	1,2-Dichlorobenzene	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	1,3-Dichlorobenzene	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	1,4-Dichlorobenzene	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	1,4-Dioxane	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	2,2'-oxybis(1-Chloropropane)	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	2,4,5-Trichlorophenol	Yes	U	R	SUR
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	2,4,5-Trichlorophenol	No	U	R	SUR,ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	2,4,6-Trichlorophenol	Yes	U	R	SUR
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	2,4,6-Trichlorophenol	No	U	R	SUR,ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	2,4-Dichlorophenol	No	U	UJ	SUR,ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	2,4-Dimethylphenol	No	U	UJ	SUR,ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	2,4-Dinitrophenol	Yes	U	R	SUR
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	2,4-Dinitrophenol	No	U	R	SUR,ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	2,4-Dinitrotoluene	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	2,6-Dinitrotoluene	No	U	U	ARA
L2608462	SW8260D	Dry	RI-SB-15_20-22	L2608462-14	2-Butanone (Methyl Ethyl Ketone)	Yes	7.8 J	12.0 U	TBK
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	2-Chloronaphthalene	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	2-Chlorophenol	No	U	UJ	SUR,ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	2-Methylnaphthalene	No	35 J	35 J	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	2-Methylphenol (o-Cresol)	No	U	UJ	SUR,ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	2-Nitroaniline	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	2-Nitrophenol	No	U	UJ	SUR,ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	3&4-Methylphenol	No	U	UJ	SUR,ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	3,3'-Dichlorobenzidine	No	U	R	LCS,ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	3-Nitroaniline	No	U	U	ARA
L2608462	SW8081B	Dry	RI-SB-15_20-22	L2608462-14	4,4'-DDE	Yes	16.7	16.7 J	CCR
L2608462	SW8081B	Dry	RI-SB-15_20-22	L2608462-14	4,4'-DDT	Yes	31.6	31.6 J	CCR
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	4,6-Dinitro-2-methylphenol	Yes	U	R	SUR

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	4,6-Dinitro-2-methylphenol	No	U	R	SUR,ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	4-Bromophenyl phenyl ether (BDE-3)	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	4-Chloro-3-methylphenol	No	U	UJ	SUR,ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	4-Chloroaniline	No	U	R	LCS,ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	4-Chlorophenyl phenyl ether	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	4-Nitroaniline	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	4-Nitrophenol	Yes	U	R	SUR
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	4-Nitrophenol	No	U	R	SUR,ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Acenaphthene	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Acenaphthylene	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Acetophenone	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Anthracene	No	49 J	49 J	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Benzo(a)anthracene	No	160	160	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Benzo(a)pyrene	No	180	180	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Benzo(b)fluoranthene	No	230	230	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Benzo(g,h,i)perylene	No	140 J	140 J	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Benzo(k)fluoranthene	No	81 J	81 J	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Benzoic acid	No	U	UJ	SUR,ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Benzyl Alcohol	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Biphenyl	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	bis(2-Chloroethoxy)methane	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	bis(2-Chloroethyl)ether	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	bis(2-Ethylhexyl)phthalate	No	880	880	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Butyl benzylphthalate (BBP)	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Carbazole	No	23 J	23 J-	LCS,ARA
L2608462	SW8260D	Dry	RI-SB-15_20-22	L2608462-14	Chloroform (Trichloromethane)	Yes	0.23 J	1.8 U	MBK
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Chrysene	No	190	190	ARA
L2608462	SW9012B	Dry	RI-SB-15_20-22	L2608462-14	Cyanide	Yes	U	UJ	LCS
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Dibenz(a,h)anthracene	No	27 J	27 J	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Dibenzofuran	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Diethyl phthalate	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Dimethyl phthalate	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Di-n-butylphthalate (DBP)	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Di-n-octyl phthalate (DnOP)	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Fluoranthene	No	300	300	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Fluorene	No	U	U	ARA
L2608462	SW8081B	Dry	RI-SB-15_20-22	L2608462-14	gamma-Chlordane (trans)	Yes	5.22	5.22 J	CCR
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Hexachlorobenzene	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Hexachlorobutadiene	No	U	R	LCS,ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Hexachlorocyclopentadiene	No	U	R	LCS,ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Hexachloroethane	No	U	U	ARA

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Indeno(1,2,3-cd)pyrene	No	120 J	120 J	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Isophorone	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Naphthalene	No	28 J	28 J	ARA
L2608462	E1633A	Dry	RI-SB-15_20-22	L2608462-14	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Nitrobenzene	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	N-Nitrosodi-n-propylamine	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	N-Nitrosodiphenylamine	No	U	U	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Pentachlorophenol	Yes	U	R	SUR
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Pentachlorophenol	No	U	R	SUR,ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Phenanthrene	No	240	240	ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Phenol	No	U	UJ	SUR,ARA
L2608462	SW8270E	Dry	RI-SB-15_20-22	L2608462-14	Pyrene	No	260	260	ARA
L2614270	SW8260D	Wet	TB-03_20260316	L2614270-03	1,1,1-Trichloroethane	No	U	U	ARA
L2614270	SW8260D	Wet	TB-03_20260316	L2614270-03	1,1-Dichloroethene	No	U	U	ARA
L2614270	SW8260D	Wet	TB-03_20260316	L2614270-03	Carbon tetrachloride	No	U	U	ARA
L2614270	SW8260D	Wet	TB-03_20260316	L2614270-03	Methylene chloride (Dichloromethane)	No	U	U	ARA
L2614270	SW8260D	Wet	TB-03_20260316	L2614270-03	Tetrachloroethene	No	U	U	ARA
L2614270	SW8260D	Wet	TB-03_20260316	L2614270-03	Trichloroethene	No	U	U	ARA
L2614270	SW8260D	Wet	TB-03_20260316	L2614270-03	Vinyl chloride	No	U	U	ARA
L2614270	SW8260D	Wet	TB-03_20260316	L2614270-03	cis-1,2-Dichloroethene	No	U	U	ARA
L2614270	SW8260D	Wet	TB-04_20260316	L2614270-04	1,1,1-Trichloroethane	No	U	U	ARA
L2614270	SW8260D	Wet	TB-04_20260316	L2614270-04	1,1-Dichloroethene	No	U	U	ARA
L2614270	SW8260D	Wet	TB-04_20260316	L2614270-04	Carbon tetrachloride	No	U	U	ARA
L2614270	SW8260D	Wet	TB-04_20260316	L2614270-04	Methylene chloride (Dichloromethane)	No	U	U	ARA
L2614270	SW8260D	Wet	TB-04_20260316	L2614270-04	Tetrachloroethene	No	U	U	ARA
L2614270	SW8260D	Wet	TB-04_20260316	L2614270-04	Trichloroethene	No	U	U	ARA
L2614270	SW8260D	Wet	TB-04_20260316	L2614270-04	Vinyl chloride	No	U	U	ARA
L2614270	SW8260D	Wet	TB-04_20260316	L2614270-04	cis-1,2-Dichloroethene	No	U	U	ARA
L2614270	SW8260D	Wet	TB-05_20260316	L2614270-05	1,1,1-Trichloroethane	No	U	U	ARA
L2614270	SW8260D	Wet	TB-05_20260316	L2614270-05	1,1-Dichloroethene	No	U	U	ARA
L2614270	SW8260D	Wet	TB-05_20260316	L2614270-05	Carbon tetrachloride	No	U	U	ARA
L2614270	SW8260D	Wet	TB-05_20260316	L2614270-05	Methylene chloride (Dichloromethane)	No	U	U	ARA
L2614270	SW8260D	Wet	TB-05_20260316	L2614270-05	Tetrachloroethene	No	U	U	ARA
L2614270	SW8260D	Wet	TB-05_20260316	L2614270-05	Trichloroethene	No	U	U	ARA
L2614270	SW8260D	Wet	TB-05_20260316	L2614270-05	Vinyl chloride	No	U	U	ARA
L2614270	SW8260D	Wet	TB-05_20260316	L2614270-05	cis-1,2-Dichloroethene	No	U	U	ARA
L2614270	SW8260D	Dry	DB-02_3-5	L2614270-27	Tetrachloroethene	No	29000	29000 J	EXE
L2614270	SW8260D	Dry	DB-03A_3-5	L2614270-11	Tetrachloroethene	No	57000	57000 J	EXE
L2614269	SW8260D	Dry	RI-SB-13_22-24	L2614269-11	Acetone	Yes	8.8 J	9.4 U	FBK
L2614269	SW6010D	Dry	DUP-01_20260316	L2614269-12	Aluminum	Yes	11500	11500 J	FDP

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2614269	SW6010D	Dry	DUP-01_20260316	L2614269-12	Barium	Yes	120	120 J	FDP
L2614269	SW6010D	Dry	DUP-01_20260316	L2614269-12	Calcium	Yes	32700	32700 J	FDP
L2614269	SW6010D	Dry	DUP-01_20260316	L2614269-12	Chromium	Yes	18.2	18.2 J	FDP
L2614269	SW6010D	Dry	DUP-01_20260316	L2614269-12	Cobalt	Yes	14.4	14.4 J	FDP
L2614269	SW6010D	Dry	DUP-01_20260316	L2614269-12	Iron	Yes	20500	20500 J	FDP
L2614269	SW6010D	Dry	DUP-01_20260316	L2614269-12	Magnesium	Yes	26900	26900 J	FDP
L2614269	SW6010D	Dry	DUP-01_20260316	L2614269-12	Nickel	Yes	19	19 J	FDP
L2614269	SW6010D	Dry	DUP-01_20260316	L2614269-12	Potassium	Yes	4220	4220 J	FDP
L2614269	SW6010D	Dry	DUP-01_20260316	L2614269-12	Vanadium	Yes	57.1	57.1 J	FDP
L2614269	SW6010D	Dry	DUP-01_20260316	L2614269-12	Zinc	Yes	47.7	47.7 J	FDP
L2614269	SW8260D	Dry	DUP-01_20260316	L2614269-12	1,1,1-Trichloroethane	Yes	U	UJ	FDP
L2614270	SW8260D	Dry	DUP-02_20260316	L2614270-07	Trichloroethene	Yes	86	86 J	FDP
L2614269	SW6010D	Dry	RI-SB-13_22-24	L2614269-11	Aluminum	Yes	5370	5370 J	FDP
L2614269	SW6010D	Dry	RI-SB-13_22-24	L2614269-11	Barium	Yes	60.2	60.2 J	FDP
L2614269	SW6010D	Dry	RI-SB-13_22-24	L2614269-11	Calcium	Yes	111000	111000 J	FDP
L2614269	SW6010D	Dry	RI-SB-13_22-24	L2614269-11	Chromium	Yes	6.01	6.01 J	FDP
L2614269	SW6010D	Dry	RI-SB-13_22-24	L2614269-11	Cobalt	Yes	7.15	7.15 J	FDP
L2614269	SW6010D	Dry	RI-SB-13_22-24	L2614269-11	Iron	Yes	10800	10800 J	FDP
L2614269	SW6010D	Dry	RI-SB-13_22-24	L2614269-11	Magnesium	Yes	60900	60900 J	FDP
L2614269	SW6010D	Dry	RI-SB-13_22-24	L2614269-11	Nickel	Yes	8.82	8.82 J	FDP
L2614269	SW6010D	Dry	RI-SB-13_22-24	L2614269-11	Potassium	Yes	2020	2020 J	FDP
L2614269	SW6010D	Dry	RI-SB-13_22-24	L2614269-11	Vanadium	Yes	27	27 J	FDP
L2614269	SW6010D	Dry	RI-SB-13_22-24	L2614269-11	Zinc	Yes	24.9	24.9 J	FDP
L2614269	SW8260D	Dry	RI-SB-13_22-24	L2614269-11	1,1,1-Trichloroethane	Yes	2.2	2.2 J	FDP
L2614270	SW8260D	Dry	SB-103_0-2_RS	L2614270-06	Trichloroethene	Yes	120	120 J	FDP
L2614269	E1633A	Dry	DUP-01_20260316	L2614269-12	N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	DUP-01_20260316	L2614269-12	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	DUP-01_20260316	L2614269-12	N-Methylperfluorooctane sulfonamide (N-MeFOSA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	DUP-01_20260316	L2614269-12	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	DUP-01_20260316	L2614269-12	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	DUP-01_20260316	L2614269-12	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-07_25-27	L2614269-09	N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-07_25-27	L2614269-09	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-07_25-27	L2614269-09	N-Methylperfluorooctane sulfonamide (N-MeFOSA)	Yes	U	UJ	IDL

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2614269	E1633A	Dry	RI-SB-07_25-27	L2614269-09	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-07_27-29	L2614269-10	N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-07_27-29	L2614269-10	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-07_27-29	L2614269-10	N-Methylperfluorooctane sulfonamide (N-MeFOSA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-07_27-29	L2614269-10	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-07_27-29	L2614269-10	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-07_27-29	L2614269-10	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-09_22-24	L2614269-03	N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-09_22-24	L2614269-03	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-09_22-24	L2614269-03	N-Methylperfluorooctane sulfonamide (N-MeFOSA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-09_22-24	L2614269-03	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-09_22-24	L2614269-03	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-09_22-24	L2614269-03	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-13_22-24	L2614269-11	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-13_22-24	L2614269-11	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-13_22-24	L2614269-11	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-13_22-24	L2614269-11	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-14_22-24	L2614269-07	N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-14_22-24	L2614269-07	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-14_22-24	L2614269-07	N-Methylperfluorooctane sulfonamide (N-MeFOSA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-14_22-24	L2614269-07	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-14_22-24	L2614269-07	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-14_22-24	L2614269-07	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-15_22-24	L2614269-14	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2614269	E1633A	Dry	RI-SB-15_22-24	L2614269-14	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-15_22-24	L2614269-14	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-15_22-24	L2614269-14	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-15_24-26	L2614269-15	N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-15_24-26	L2614269-15	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-15_24-26	L2614269-15	N-Methylperfluorooctane sulfonamide (N-MeFOSA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-15_24-26	L2614269-15	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-15_24-26	L2614269-15	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-15_24-26	L2614269-15	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-17_22-24	L2614269-05	N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-17_22-24	L2614269-05	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-17_22-24	L2614269-05	N-Methylperfluorooctane sulfonamide (N-MeFOSA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-17_22-24	L2614269-05	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-17_22-24	L2614269-05	Perfluorotetradecanoic acid (PFTeDA)	Yes	U	UJ	IDL
L2614269	E1633A	Dry	RI-SB-17_22-24	L2614269-05	Perfluorotridecanoic acid (PFTrDA)	Yes	U	UJ	IDL
L2614269	SW8260D	Dry	RI-SB-07_25-27	L2614269-09	1,2,4,5-Tetramethylbenzene	Yes	U	UJ	LCS
L2614269	SW8260D	Dry	RI-SB-07_27-29	L2614269-10	1,2,4,5-Tetramethylbenzene	Yes	U	UJ	LCS
L2614269	SW8260D	Dry	RI-SB-09_22-24	L2614269-03	1,2,4,5-Tetramethylbenzene	Yes	U	UJ	LCS
L2614269	SW8260D	Dry	RI-SB-13_22-24	L2614269-11	1,2,4,5-Tetramethylbenzene	Yes	U	UJ	LCS
L2614269	SW8260D	Dry	RI-SB-14_22-24	L2614269-07	1,2,4,5-Tetramethylbenzene	Yes	U	UJ	LCS
L2614269	SW8260D	Dry	RI-SB-17_22-24	L2614269-05	1,2,4,5-Tetramethylbenzene	Yes	U	UJ	LCS
L2614269	SW8260D	Dry	RI-SB-17_22-24	L2614269-05	Chloroform (Trichloromethane)	Yes	0.35 J	1.6 U	MBK
L2614270	SW8260D	Dry	B-23_0-2_RS	L2614270-16	1,1,1-Trichloroethane	Yes	U	UJ	MSD
L2614270	SW8260D	Dry	B-23_0-2_RS	L2614270-16	Tetrachloroethene	Yes	7.8	7.8 J	MSD
L2614270	SW8260D	Dry	B-23_0-2_RS	L2614270-16	cis-1,2-Dichloroethene	Yes	U	UJ	MSD
L2614270	SW8260D	Dry	DB-02_0-2	L2614270-26	Tetrachloroethene	Yes	340	340 J	MSD
L2614270	SW8260D	Dry	DB-02_0-2	L2614270-26	Trichloroethene	Yes	32	32 J	MSD
L2614270	SW8260D	Dry	DB-02_0-2	L2614270-26	cis-1,2-Dichloroethene	Yes	13	13 J	MSD
L2614269	SW8270E	Dry	RI-SB-09_22-24	L2614269-03	1,2,4,5-Tetrachlorobenzene	Yes	33 J	33 J+	SUR
L2614269	SW8270E	Dry	RI-SB-09_22-24	L2614269-03	1,2,4-Trichlorobenzene	Yes	27 J	27 J+	SUR
L2614269	SW8270E	Dry	RI-SB-09_22-24	L2614269-03	1,2-Dichlorobenzene	Yes	92 J	92 J+	SUR
L2614269	SW8270E	Dry	RI-SB-09_22-24	L2614269-03	2-Chloronaphthalene	Yes	24 J	24 J+	SUR

TABLE 11
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2614269	SW8270E	Dry	RI-SB-09_22-24	L2614269-03	2-Methylnaphthalene	Yes	30 J	30 J+	SUR
L2614269	SW8270E	Dry	RI-SB-09_22-24	L2614269-03	Benzo(a)anthracene	Yes	26 J	26 J+	SUR
L2614269	SW8270E	Dry	RI-SB-09_22-24	L2614269-03	Benzo(g,h,i)perylene	Yes	75 J	75 J+	SUR
L2614269	SW8270E	Dry	RI-SB-09_22-24	L2614269-03	Dibenzofuran	Yes	23 J	23 J+	SUR
L2614269	SW8270E	Dry	RI-SB-09_22-24	L2614269-03	Hexachlorobenzene	Yes	26 J	26 J+	SUR
L2614269	SW8270E	Dry	RI-SB-09_22-24	L2614269-03	Indeno(1,2,3-cd)pyrene	Yes	36 J	36 J+	SUR
L2614269	SW8270E	Dry	RI-SB-13_22-24	L2614269-11	Benzo(a)anthracene	Yes	23 J	23 J+	SUR
L2614269	SW8270E	Dry	RI-SB-13_22-24	L2614269-11	Chrysene	Yes	20 J	20 J+	SUR
L2614269	SW8270E	Dry	RI-SB-13_22-24	L2614269-11	Di-n-octyl phthalate (DnOP)	Yes	84 J	84 J+	SUR
L2614269	SW8270E	Dry	RI-SB-13_22-24	L2614269-11	Pyrene	Yes	17 J	17 J+	SUR

Notes:
IDL = Isotope dilution outside the specified limits.
CCR = Confirmation column review: no qualitative check for pesticides.
ION = Ion ratios were reviewed and were outside the limits of 50-150%; or ≥ 3 for all ions used for confirmation.
MBK = Method blank contamination.
FBK = Field blank contamination.
TBK = Trip blank contamination.
MSD = Matrix spike/matrix spike duplicate percent recoveries or relative percent difference were outside the specified limits.
LCS = Laboratory control/laboratory control spike duplicate percent recoveries or relative percent difference were outside the specified limits.
FDP = Field duplicate qualifier due to an exceedance of the specified limits.
DUP = Laboratory duplicate relative percent difference exceeds the specified limits.
ARA = Another more viable result is available, whether due to dilution, resampling, etc.
HTQ = Holding time exceedance.
EXE = Result exceeds the calibration range.
SUR = Surrogate percent recovery outside the specified limits.
J = Estimated concentration.
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.
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. The reported sample quantitation limit is approximate.
This table was automatically generated from the Haley & Aldrich database and may contain trailing zeroes.

Data Usability Summary Report

Project Name: Astoria Cove Buildings 3A & 3B

Description: Groundwater Samples

Sample Date(s): February 24 through 26, 2026

Analytical Laboratory: Pace Analytical Services – Westborough, MA

Validation Performed by: Kristina Ilina

Validation Reviewed by: Katherine Miller

Validation Date: April 8, 2026

Table of Contents

1.	**Introduction**	**3**
2.	**Sample Delivery Group**	**4**
2.1	SAMPLE MANAGEMENT	4
2.2	HOLDING TIMES/PRESERVATION	4
2.3	REPORTING LIMITS AND SAMPLE DILUTIONS	4
2.4	SURROGATE RECOVERY COMPLIANCE	4
2.5	BLANK SAMPLE ANALYSIS	4
2.6	LABORATORY CONTROL SAMPLES	5
2.7	MATRIX SPIKE SAMPLES	5
2.8	DUPLICATE SAMPLE ANALYSIS	5
2.9	PRECISION AND ACCURACY	6
2.10	CONFIRMATION COLUMN REVIEW	6
2.11	PFAS SAMPLE PREPARATION	6
2.12	PFAS IDENTIFICATION	6
2.13	EXTRACTION INTERNAL STANDARDS	7
2.14	SYSTEM PERFORMANCE AND OVERALL ASSESSMENT	7
3.	**Explanations**	**8**
4.	**Glossary**	**10**
5.	**Abbreviations**	**11**
6.	**Qualifiers**	**12**
References		**13**

1. Introduction

Haley & Aldrich of New York Engineering and Geology, LLP prepared this Data Usability Summary Report (DUSR) to summarize the review and validation of the analytical results for the Sample Delivery Groups (SDGs) listed.

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.
- NFG for Inorganic Data Review.
- Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.4, Table B-24.
- DoD Data Validation Guidelines Module 3: Data Validation Procedure for PFAS by QSM Table B 15.
- 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.
- NYSDEC DER-10: Technical Guidance for Site Investigation and Remediation.

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 (SOPs). The results presented in each laboratory report were found to be compliant with the data quality objectives (DQOs) for the project and are therefore usable; any exceptions are noted in the following pages and listed below.

2. Sample Delivery Group

2.1 SAMPLE MANAGEMENT

This DUSR summarizes the review of the following SDG numbers:

- L2609875, dated March 3, 2026;
- L2610053, dated March 2, 2026; and
- L2610320, dated March 5, 2026.

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

- Samples for EPA 1633, SW6010D, and SW6020B analysis were subcontracted to Mansfield Facility.

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).
- Collection time of samples TB-01_20260226 and TB-02_20260226 does not match with the COC.

Analyses were performed on the samples listed in Table 1. Method holding times information is shown in Table 2.

2.2 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.

2.3 REPORTING LIMITS AND SAMPLE DILUTIONS

All sample dilutions were reviewed and found to be justified. Dilution of the project samples was required to bring calibration of target analytes within calibration range, matrix interference, foaming at the time of purging, or abundance of non-target analytes.

2.4 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.

2.5 BLANK SAMPLE ANALYSIS

Refer to Section E 1.3. Method blank samples had no detections, indicating that no contamination from laboratory activities occurred, with the exceptions listed in Table 3.

The analysis of the blank samples for field quality control had no detections, indicating that no contamination from field activities occurred, with the exceptions listed in Table 4.

2.6 LABORATORY CONTROL SAMPLES

Refer to Section E 1.4. Compounds associated with the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) analyses associated with client samples exhibited recoveries and relative percent differences (RPDs) within the specified limits, with the exceptions listed in Table 5.

2.7 MATRIX SPIKE SAMPLES

Refer to Section E 1.5. The following samples were used for matrix spike/matrix spike duplicate (MS/MSD):

Lab Sample Number	Matrix Spike/ Matrix Spike Duplicate Sample Client ID	Method(s)
L2610053-03	RI-MW-01_20260225	E1633A, EPA 6020B, EPA 7470A, EPA 8081B, EPA 8082A, EPA 8260D, EPA 8270E, EPA 8270ESIM
L2610320-03	RI-MW-05_20260226	SW6020B
L2609875-01	RI-MW-08_20260224	SW7470A
L2610320-04	RI-MW-11_20260226	SW7470A

The MS/MSD recoveries and the RPD between the MS and MSD results were within the specified limits, with the following exceptions:

- In cases where the native sample results were ≥ 4x the spike added, data was not qualified.

Sample Type	Method	Parent Sample	Analyte	%R/RPD	Qualifier	Affected Samples
MSD	SW8270E	RI-MW-01_20260225	3,3'-Dichlorobenzidine	39%	J/UJ	RI-MW-01_20260225
MSD	SW8260D	RI-MW-01_20260225	trans-1,4-Dichloro-2-butene	69%	J/UJ	RI-MW-01_20260225
MS	SW6020B	RI-MW-05_20260226	Iron, Total	140%	J+/None	None, dilution >5x

2.8 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):

Lab Sample Number	Laboratory Duplicate Sample Client ID	Method(s)
L2610320-03	RI-MW-05_20260226	SW6020B
L2610320-04	RI-MW-11_20260226	SW7470A

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) with the exceptions listed below.

Primary Sample ID	Duplicate Sample ID	Method(s)
RI-MW-03_20260225	DUP-01_20260225	E1633A, EPA 6020B, EPA 7470A, EPA 8081B, EPA 8082A, EPA 8260D, EPA 8270E, EPA 8270ESIM

Method(s): SW6020B				
Analyte (mg/L)	Primary Sample ID	Duplicate Sample ID	% RPD	Qualification
	RI-MW-03_20260225	DUP-01_20260225		
Cobalt, Dissolved	0.00142	0.00266	NA	J/UJ, Abs. Diff. > RL
Manganese, Dissolved	0.6965	1.229	55	J/UJ, RPD>35
Arsenic, Total	0.0003	0.00094	NA	J/UJ, Abs. Diff. > RL
Lead, Total	0.00138	0.00652	NA	J/UJ, Abs. Diff. > RL
Vanadium, Total	0.00814	0.02982	NA	J/UJ, Abs. Diff. > RL
Zinc, Total	0.01655	0.06528	NA	J/UJ, Abs. Diff. > RL
Aluminum, Total	1.82	7.68	123	J/UJ, RPD>35
Barium, Total	0.06489	0.1412	74	J/UJ, RPD>35
Chromium, Total	0.01048	0.02387	78	J/UJ, RPD>35
Cobalt, Total	0.00369	0.01364	115	J/UJ, RPD>35
Copper, Total	0.00947	0.0386	121	J/UJ, RPD>35
Iron, Total	3.52	15.1	124	J/UJ, RPD>35
Manganese, Total	0.8824	1.827	70	J/UJ, RPD>35
Nickel, Total	0.01262	0.03623	97	J/UJ, RPD>35

2.9 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.

2.10 CONFIRMATION COLUMN REVIEW

Refer to Section E 1.8. All RPDs were within control limits, with the following exceptions:

Method	Analyte	Sample	RPD	Action
USEPA 8081	alpha-Chlordane (cis)	RI-MW-05_20260226	> 40%	Qualify data estimated UJ.

2.11 PFAS SAMPLE PREPARATION

Refer to Section E 1.14. The laboratory's SOP was reviewed, the entire sample plus sample bottle rinsate was extracted. No data qualification required.

2.12 PFAS IDENTIFICATION

Refer to Section E 1.15. Ion ratios were reviewed and were within the laboratory specified limits. However, the lab qualified the following samples with an "F" flag:

Sample ID	Analyte	Qualifier	Affected Samples
RI-MW-08_20260224	Perfluoroheptanesulfonic acid (PFHpS)	J	RI-MW-08_20260224

2.13 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 exceptions listed in Table 6.

Extraction Internal Standards Recoveries were out of limits for MBs, LCS, MS and MSD, but did not affect the data.

2.14 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, except for rejected data noted in Table 7. A summary of qualifiers applied to this dataset is shown in Table 7.

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 determining the efficiency of the extraction procedure by evaluating the %R of the compounds.
- E 1.3 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 1.4 Laboratory Control Samples
  - The LCS/LCSD analyses are used to assess the precision and accuracy of the analytical method independent of matrix interferences.
- E 1.5 Matrix Spike Samples
  - 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 1.6 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 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 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 %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 pesticides and polychlorinated biphenyls (PCBs), 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 RPD should not exceed 40 percent.

- E 1.14 PFAS Sample Preparation
  - Analysis of PFAS requires specific sample preparation. Aqueous samples must be prepared using 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. For method EPA 1633, Module 6 provides guidance for extreme recoveries. Professional judgment is used to qualify based on recovery below the method limit but above 10% and above the method limit but below 200%. Below the method limit will result in estimating the detection or non-detection; above the method limit will result in estimating the detection.

4. Glossary

*Analyte names may be abbreviated for simplicity. Please reference the laboratory report for the full analyte name.
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:
  - ng/kg nanograms per kilogram
  - µg/L micrograms per liter
  - µg/m3 micrograms per cubic meter
  - mg/kg milligrams per kilogram
  - mg/L milligrams per liter
  - ppbv/v parts per billion volume/volume
  - pCi/L picocuries per liter
  - pg/g picograms per gram
  - pg/L picograms per liter
- Matrices:
  - AA Ambient Air
  - GS Soil Gas
  - GW/WG Groundwater
  - IA Indoor Air
  - SE Sediment
  - SO Soil
  - SSV Sub-slab Vapor
  - ST Solid Waste
  - WQ Water Quality control matrix
  - WS Surface Water
  - WW Waste Water
- Table Footnotes:
  - NA Not applicable
  - ND Non-detect
  - NR Not reported
- Common Symbols:
  - % percent
  - < less than
  - ≤ less than or equal to
  - > greater than
  - ≥ greater than or equal to
  - = equal
  - °C degrees Celsius
  - ± plus or minus
  - ~ approximately
  - x times (multiplier)
- Fractions:
  - N Normal (method cannot be filtered)
  - D Dissolved (filtered)
  - T Total (unfiltered)

5. Abbreviations

%D	Percent Difference
%R	Percent Recovery
%RSD	Percent Relative Standard Deviation
%v/v	Percent volume by volume
2s	2 sigma
4,4-DDT	4 4-dichlorodiphenyltrichloroethane
Abs Diff	Absolute Difference
amu	atomic mass unit
BPJ	Best Professional Judgement
BS	Blank Spike
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CCVL	Continuing Calibration Verification Low
COC	Chain of Custody
COM	Combined Isotope Calculation
Cr (VI)	Hexavalent Chromium
CRI	Collision Reaction Interface
DoD	Department of Defense
DQO	data quality objective
DUSR	Data Usability Summary Report
EIS	Extraction Internal Standard
EMPC	Estimated Maximum Possible Concentration
FBK	Field Blank Contamination
FDP	Field Duplicate
GC	Gas Chromatograph
GC/MS	Gas Chromatography/Mass Spectrometry
GPC	Gel Permeation Chromatography
H_2	Hydrogen gas
HCl	Hydrochloric Acid
ICAL	Initial Calibration
ICB	Initial Calibration Blank
ICP/MS	Inductively Coupled Plasma/Mass Spectrometry
ICV	Initial Calibration Verification
ICVL	Initial Calibration Verification Low
IPA	Isopropyl Alcohol
LC	Laboratory Control
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate
MBK	Method Blank Contamination
MDC	Minimum Detectable Concentration
MDL	Laboratory Method Detection Limit
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NA	not applicable
ND	Non-Detect
NFG	National Functional Guidelines
NH_3	Ammonia
NYSDEC	New York State Department of Environmental Conservation
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
PDS	Post-Digestion Spike
PEM	Performance Evaluation Mixture
PFAS	Per- and Polyfluoroalkyl Substances
PFBA	Perfluorobutanoic Acid
PFD	Perfluorodecalin
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctane sulfonate
PFPeA	Perfluoropentanoic Acid
QAPP	Quality Assurance Project Plan
QC	Quality Control
QSM	Quality Systems Manual
R^2	R-squared value
Ra-226	Radium-226
Ra-228	Radium-228
RESC	Resolution Check Measure
RL	Laboratory Reporting Limit
RPD	Relative Percent Difference
RRF	Relative Response Factor
RT	Retention Time
SAP	Sampling Analysis Plan
SDG	Sample Delivery Group
SIM	Selected ion monitoring
SOP	Standard Operating Procedure
SPE	Solid-Phase Extraction
SVOC	Semi-Volatile Organic Compound
TCLP	Toxicity Characteristic Leaching Procedure
TIC	Tentatively Identified Compound
TKN	Total Kjeldahl Nitrogen
TPH	Total Petroleum Hydrocarbon
TPU	Total Propagated Uncertainty
USEPA	U.S. Environmental Protection Agency
VOC	Volatile Organic Compound
WP	Work Plan

6. Qualifiers

The qualifiers below are from the USEPA NFG 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. The reported sample quantitation limit is approximate.

  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), 2010. Division of Environmental Remediation DER-10 Technical Guidance for Site Investigation and Remediation, Appendix 2B, Guidance for Data Deliverables and the Development of Data Usability Summary Reports.

2. New York State Department of Environmental Conservation (NYSDEC), 2023. Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances Under NYSDEC's Part 375 Remedial Programs. April.

3. United Stated Department of Defense, 2021. Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.4, Table B-24: Per- and Polyfluoroalkyl Substances (PFAS) Analysis by LC/MS/MS (EPA Draft Method 1633).

4. United States Department of Defense and Environmental Data Quality Workgroup, 2022. Data Validation Guidelines Module 6: Data Validation Procedure for Per- and Polyfluoroalkyl Substances Analysis by QSM Table B-24. October.

5. United States Environmental Protection Agency, 2020a. National Functional Guidelines for Inorganic Superfund Methods Data Review. EPA-542-R-20-006. November.

6. United States Environmental Protection Agency, 2020b. National Functional Guidelines for Organic Superfund Methods Data Review. EPA-540-R-20-005. November.

Attachments:

Table 1 – Sample Management
Table 2 – Method Holding Times
Table 3 – Method Blank Detections
Table 4 – Field Blank Detections
Table 5 – LCS/LCSD
Table 6 – Extraction Internal Standards
Table 7 – System Performance Summary

TABLES

TABLE 1
SAMPLE MANAGEMENT
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Sample ID	Sample Type	Lab ID	Sample Date	Matrix	Method(s)
RI-MW-08_20260224	N	L2609875-01	2/24/2026	WG	A, B, C, D, E, F, G, H
TB-01_20260225	TB	L2610053-01	2/25/2026	WQ	F
TB-02_20260225	TB	L2610053-02	2/25/2026	WQ	F
RI-MW-01_20260225	N	L2610053-03	2/25/2026	WG	A, B, C, D, E, F, G, H
RI-MW-03_20260225	N	L2610053-04	2/25/2026	WG	A, B, C, D, E, F, G, H
DUP-01_20260225	FD	L2610053-05	2/25/2026	WG	A, B, C, D, E, F, G, H
RI-MW-10_20260225	N	L2610053-06	2/25/2026	WG	A, B, C, D, E, F, G, H
RI-MW-04_20260225	N	L2610053-07	2/25/2026	WG	A, B, C, D, E, F, G, H
RI-MW-07_20260225	N	L2610053-08	2/25/2026	WG	A, B, C, D, E, F, G, H
FB-01_20260225	FB	L2610053-09	2/25/2026	WQ	A, B, C, D, E, F, G, H
TB-01_20260226	TB	L2610320-01	2/25/2026	WQ	F
TB-02_20260226	TB	L2610320-02	2/25/2026	WQ	F
RI-MW-05_20260226	N	L2610320-03	2/26/2026	WG	A, B, C, D, E, F, G, H
RI-MW-11_20260226	N	L2610320-04	2/26/2026	WG	A, B, C, D, E, F, G, H
RI-MW-02_20260226	N	L2610320-05	2/26/2026	WG	A, B, C, D, E, F, G, H
RI-MW-06_20260226	N	L2610320-06	2/26/2026	WG	A, B, C, D, E, F, G, H
RI-MW-09_20260226	N	L2610320-07	2/26/2026	WG	A, B, C, D, E, F, G, H

TABLE 2
METHOD HOLDING TIMES
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Letter Code	Analytic Method	Method Description	Holding Time
A	E1633	PFAS	28 days extraction (7 days for NMeFOSE, NEtFOSE, NMeFOSAA and/or NEtFOSAA) / 28 days analysis for liquid, unpreserved
B	SW6020B	Metals	180 days for liquid, preserved
C	SW7470A	Mercury (in Liquids)	28 days for liquid, preserved
D	SW8081B	Organochlorine Pesticides	7 days extraction / 40 days analysis for liquid, unpreserved
E	SW8082A	Polychlorinated Biphenyls (PCBs)	1 year extraction / 40 days analysis for liquid, unpreserved
F	SW8260D	Volatile Organic Compounds (VOCs)	14 days for liquid, preserved 7 days for liquid unpreserved
G	SW8270E	Semivolatile Organic Compounds (SVOCs)	7 days extraction / 40 days analysis for liquid, unpreserved
H	SW8270ESIM	Semivolatile Organic Compounds (SVOCs)	7 days extraction / 40 days analysis for liquid, unpreserved

TABLE 3
METHOD BLANK DETECTIONS
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG #	Method	Batch ID	Analyte Detected in Blank	Concentration	Unit	Qualifier	Affected Samples
L2609875	SW8270ESIM	WG2179241	1,4-Dioxane	154 J	ng/L	J+	1
L2610053	SW6020B	WG2179312	Sodium, Total	0.0481 J	mg/L	RL U	FB-01_20260225
L2609875	SW6020B	WG2179446	Antimony, Dissolved	0.00057 J	mg/L	RL U	RI-MW-08_20260224
L2609875	SW6020B	WG2179446	Sodium, Dissolved	0.0365 J	mg/L	NA	None, samples are >10x blank
L2610320	SW8082A	WG2179657	Aroclor-1268 (PCB-1268)	0.036 J	ug/L	NA	None, samples are ND
L2610320	SW8082A	WG2179657	Polychlorinated biphenyls (PCBs)	0.036 J	ug/L	NA	None, samples are ND
L2610053	SW8270ESIM	WG2179668	1,4-Dioxane	152 J	ng/L	J+ RL U	RI-MW-03_20260225 RI-MW-01_20260225, DUP-01_20260225, RI-MW-10_20260225, RI-MW-04_20260225, RI-MW-07_20260225
L2610053	SW6020B	WG2179824	Aluminum, Dissolved	0.0158 J	mg/L	RL U	RI-MW-01_20260225, RI-MW-03_20260225, DUP-01_20260225, RI-MW-10_20260225, RI-MW-04_20260225, RI-MW-07_20260225, FB-01_20260225
L2610053	SW6020B	WG2179824	Zinc, Dissolved	0.00446 J	mg/L	RL U	RI-MW-03_20260225, DUP-01_20260225, RI-MW-04_20260225, RI-MW-07_20260225
L2609875	SW6020B	WG2180272	Calcium, Total	0.0911 J	mg/L	NA	None, samples are >10x blank
L2609875	SW6020B	WG2180272	Copper, Total	0.00061 J	mg/L	NA	None, samples are >10x blank
L2609875	SW6020B	WG2180272	Nickel, Total	0.00152 J	mg/L	J+	RI-MW-08_20260224
L2610320	SW6020B	WG2180275	Chromium, Dissolved	0.00023 J	mg/L	NA	None, samples are ND
L2610320	SW6020B	WG2180275	Copper, Dissolved	0.00063 J	mg/L	NA	None, samples are ND
L2610320	SW8270ESIM	WG2180564	1,4-Dioxane	146 J	ng/L	J+ RL U	RI-MW-11_20260226, RI-MW-09_20260226 RI-MW-05_20260226, RI-MW-11_20260226, RI-MW-02_20260226, RI-MW-06_20260226

TABLE 4
FIELD BLANK DETECTIONS
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Blank Type	Sample ID	Date of Blank	Method	Analyte Detected in Blank	Concentration	Unit	Qualifier	Affected Samples
FB	FB-01_20260225	2/25/2026	SW6020B	Aluminum, Dissolved	0.0143 J	mg/L	NA	Qualified ND based on method blank contamination
FB	FB-01_20260225	2/25/2026	SW6020B	Antimony, Dissolved	0.00052 J	mg/L	NA	None, samples are ND
FB	FB-01_20260225	2/25/2026	SW6020B	Calcium, Dissolved	0.0418 J	mg/L	NA	None, samples are >10x blank
FB	FB-01_20260225	2/25/2026	SW6020B	Potassium, Dissolved	0.0402 J	mg/L	NA	None, samples are >10x blank
FB	FB-01_20260225	2/25/2026	SW6020B	Sodium, Total	0.143 J	mg/L	NA	Qualified ND based on method blank contamination
FB	FB-01_20260225	2/25/2026	SW6020B	Sodium, Dissolved	0.346 J	mg/L	NA	None, samples are >10x blank

TABLE 5
LCS/LCSD
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Sample Type	Method	Batch ID	Analyte	%R/RPD	Qualifier	Affected Samples
LCSD	SW8260D	WG2179771	Acetone	150%	J/None	RI-MW-03_20260225
LCS/LCSD	SW8260D	WG2179771	Bromomethane (Methyl Bromide)	19%/27%, RPD=35	J/UJ	TB-01_20260225, TB-02_20260225, RI-MW-01_20260225, RI-MW-03_20260225, DUP-01_20260225, RI-MW-10_20260225, RI-MW-04_20260225, RI-MW-07_20260225, FB-01_20260225
LCS	SW8260D	WG2179771	Methyl Tert Butyl Ether (MTBE)	57%, RPD=23	J/UJ	TB-01_20260225, TB-02_20260225, RI-MW-01_20260225, RI-MW-03_20260225, DUP-01_20260225, RI-MW-10_20260225, RI-MW-04_20260225, RI-MW-07_20260225, FB-01_20260225
LCS/LCSD	SW8260D	WG2180746	Chloromethane (Methyl Chloride)	170%/170%	J/None	None, samples are ND
LCS/LCSD	SW8260D	WG2180746	Vinyl acetate	140%/140%	J/None	None, samples are ND
LCS	E1633A	WG2181609	N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	160%	J/UJ	RI-MW-11_20260226, RI-MW-02_20260226
LCS/LCSD	SW8260D	WG2179685	Bromomethane	RPD=25	J/None	None, samples are ND
LCS/LCSD	SW8270E	WG2179252	Benzoic Acid	RPD=32	J/None	None, samples are ND

TABLE 6
EXTRACTION INTERNAL STANDARDS
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

Sample ID	Lab ID	Standard Name	%Recovery	Qualifier	Target analytes
DUP-01_20260225	L2610053-05	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	45	J/UJ	NEtFOSE
DUP-01_20260225	L2610053-05	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	45	J/UJ	NMeFOSE
DUP-01_20260225	L2610053-05	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	43	J/UJ	PFTeDA, PFTrDA
RI-MW-05_20260226	L2610320-03	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	25	J/UJ	NEtFOSE
RI-MW-05_20260226	L2610320-03	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	27	J/UJ	NMeFOSE
RI-MW-05_20260226	L2610320-03	Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	40	J/UJ	PFDoDA, PFTrDA
RI-MW-05_20260226	L2610320-03	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	31	J/UJ	PFTeDA, PFTrDA
RI-MW-11_20260226	L2610320-04	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	16	J/UJ	NEtFOSE
RI-MW-11_20260226	L2610320-04	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	19	J/UJ	NMeFOSE
RI-MW-11_20260226	L2610320-04	Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	42	J/UJ	PFUnDA
RI-MW-11_20260226	L2610320-04	Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	49	J/UJ	PFDA
RI-MW-11_20260226	L2610320-04	Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	26	J/UJ	PFDoDA, PFTrDA
RI-MW-11_20260226	L2610320-04	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	26	J/UJ	PFTeDA, PFTrDA
RI-MW-11_20260226	L2610320-04	Perfluoro[13C8]Octanesulfonamide (M8FOSA)	24	J/UJ	PFOSA
RI-MW-02_20260226	L2610320-05	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	20	J/UJ	NEtFOSE
RI-MW-02_20260226	L2610320-05	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	26	J/UJ	NMeFOSE
RI-MW-02_20260226	L2610320-05	Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	48	J/UJ	PFUnDA
RI-MW-02_20260226	L2610320-05	Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	25	J/UJ	PFDoDA, PFTrDA
RI-MW-02_20260226	L2610320-05	Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	36	J/UJ	PFDoDA, PFTrDA
RI-MW-02_20260226	L2610320-05	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	24	J/UJ	PFTeDA, PFTrDA
RI-MW-02_20260226	L2610320-05	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	27	J/UJ	PFTeDA, PFTrDA
RI-MW-06_20260226	L2610320-06	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	30	J/UJ	NEtFOSE
RI-MW-06_20260226	L2610320-06	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	31	J/UJ	NMeFOSE
RI-MW-06_20260226	L2610320-06	Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	42	J/UJ	PFDoDA, PFTrDA
RI-MW-06_20260226	L2610320-06	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	30	J/UJ	PFTeDA, PFTrDA
RI-MW-09_20260226	L2610320-07	N-Deuterioethylperfluoro-1-octanesulfonamidoethanol (D9-NEtFOSE)	38	J/UJ	NEtFOSE
RI-MW-09_20260226	L2610320-07	N-Deuteriomethylperfluoro-1-octanesulfonamidoethanol (D7-NMeFOSE)	40	J/UJ	NMeFOSE
RI-MW-09_20260226	L2610320-07	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	44	J/UJ	PFTeDA, PFTrDA

TABLE 7
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2609875	E1633A	RI-MW-08_20260224	L2609875-01	Perfluoroheptanesulfonic acid (PFHpS)	N	Yes	0.757 J	0.757 J	ION
L2609875	SW6020B	RI-MW-08_20260224	L2609875-01	Antimony	D	Yes	0.00057 J	0.004 U	MBK
L2609875	SW6020B	RI-MW-08_20260224	L2609875-01	Nickel	T	Yes	0.00926	0.00926 J+	MBK
L2609875	SW8270ESIM	RI-MW-08_20260224	L2609875-01	1,4-Dioxane	N	Yes	293	293 J+	MBK
L2610053	SW8260D	TB-01_20260225	L2610053-01	Bromomethane (Methyl Bromide)	N	Yes	U	UJ	LCS
L2610053	SW8260D	TB-01_20260225	L2610053-01	Methyl Tert Butyl Ether (MTBE)	N	Yes	U	UJ	LCS
L2610053	SW8260D	TB-02_20260225	L2610053-02	Bromomethane (Methyl Bromide)	N	Yes	U	UJ	LCS
L2610053	SW8260D	TB-02_20260225	L2610053-02	Methyl Tert Butyl Ether (MTBE)	N	Yes	U	UJ	LCS
L2610053	SW6020B	RI-MW-01_20260225	L2610053-03	Aluminum	D	Yes	0.00567 J	0.02 U	MBK
L2610053	SW8260D	RI-MW-01_20260225	L2610053-03	Bromomethane (Methyl Bromide)	N	Yes	U	UJ	LCS
L2610053	SW8260D	RI-MW-01_20260225	L2610053-03	Methyl Tert Butyl Ether (MTBE)	N	Yes	U	UJ	LCS
L2610053	SW8260D	RI-MW-01_20260225	L2610053-03	trans-1,4-Dichloro-2-butene	N	Yes	U	UJ	MSD
L2610053	SW8270E	RI-MW-01_20260225	L2610053-03	3,3'-Dichlorobenzidine	N	Yes	U	UJ	MSD
L2610053	SW8270ESIM	RI-MW-01_20260225	L2610053-03	1,4-Dioxane	N	Yes	151 J	300.0 U	MBK
L2610053	SW6020B	RI-MW-03_20260225	L2610053-04	Aluminum	T	Yes	1.82	1.82 J	FDP
L2610053	SW6020B	RI-MW-03_20260225	L2610053-04	Aluminum	D	Yes	0.004 J	0.02 U	MBK
L2610053	SW6020B	RI-MW-03_20260225	L2610053-04	Arsenic	T	Yes	0.0003 J	0.0003 J	FDP
L2610053	SW6020B	RI-MW-03_20260225	L2610053-04	Barium	T	Yes	0.06489	0.06489 J	FDP
L2610053	SW6020B	RI-MW-03_20260225	L2610053-04	Chromium	T	Yes	0.01048	0.01048 J	FDP
L2610053	SW6020B	RI-MW-03_20260225	L2610053-04	Cobalt	T	Yes	0.00369	0.00369 J	FDP
L2610053	SW6020B	RI-MW-03_20260225	L2610053-04	Cobalt	D	Yes	0.00142	0.00142 J	FDP
L2610053	SW6020B	RI-MW-03_20260225	L2610053-04	Copper	T	Yes	0.00947	0.00947 J	FDP
L2610053	SW6020B	RI-MW-03_20260225	L2610053-04	Iron	T	Yes	3.52	3.52 J	FDP
L2610053	SW6020B	RI-MW-03_20260225	L2610053-04	Lead	T	Yes	0.00138	0.00138 J	FDP
L2610053	SW6020B	RI-MW-03_20260225	L2610053-04	Manganese	T	Yes	0.8824	0.8824 J	FDP
L2610053	SW6020B	RI-MW-03_20260225	L2610053-04	Manganese	D	Yes	0.6965	0.6965 J	FDP
L2610053	SW6020B	RI-MW-03_20260225	L2610053-04	Nickel	T	Yes	0.01262	0.01262 J	FDP
L2610053	SW6020B	RI-MW-03_20260225	L2610053-04	Vanadium	T	Yes	0.00814	0.00814 J	FDP
L2610053	SW6020B	RI-MW-03_20260225	L2610053-04	Zinc	T	Yes	0.01655	0.01655 J	FDP
L2610053	SW6020B	RI-MW-03_20260225	L2610053-04	Zinc	D	Yes	0.00479 J	0.01 U	MBK
L2610053	SW8260D	RI-MW-03_20260225	L2610053-04	Acetone	N	Yes	1.8 J	1.8 J	LCS
L2610053	SW8260D	RI-MW-03_20260225	L2610053-04	Bromomethane (Methyl Bromide)	N	Yes	U	UJ	LCS
L2610053	SW8260D	RI-MW-03_20260225	L2610053-04	Methyl Tert Butyl Ether (MTBE)	N	Yes	U	UJ	LCS
L2610053	SW8270ESIM	RI-MW-03_20260225	L2610053-04	1,4-Dioxane	N	Yes	338	338 J+	MBK
L2610053	E1633A	DUP-01_20260225	L2610053-05	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	N	Yes	U	UJ	IDL

TABLE 7
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2610053	E1633A	DUP-01_20260225	L2610053-05	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	N	Yes	U	UJ	IDL
L2610053	E1633A	DUP-01_20260225	L2610053-05	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2610053	E1633A	DUP-01_20260225	L2610053-05	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	IDL
L2610053	SW6020B	DUP-01_20260225	L2610053-05	Aluminum	T	Yes	7.68	7.68 J	FDP
L2610053	SW6020B	DUP-01_20260225	L2610053-05	Aluminum	D	Yes	0.00585 J	0.02 U	MBK
L2610053	SW6020B	DUP-01_20260225	L2610053-05	Arsenic	T	Yes	0.00094	0.00094 J	FDP
L2610053	SW6020B	DUP-01_20260225	L2610053-05	Barium	T	Yes	0.1412	0.1412 J	FDP
L2610053	SW6020B	DUP-01_20260225	L2610053-05	Chromium	T	Yes	0.02387	0.02387 J	FDP
L2610053	SW6020B	DUP-01_20260225	L2610053-05	Cobalt	T	Yes	0.01364	0.01364 J	FDP
L2610053	SW6020B	DUP-01_20260225	L2610053-05	Cobalt	D	Yes	0.00266	0.00266 J	FDP
L2610053	SW6020B	DUP-01_20260225	L2610053-05	Copper	T	Yes	0.0386	0.0386 J	FDP
L2610053	SW6020B	DUP-01_20260225	L2610053-05	Iron	T	Yes	15.1	15.1 J	FDP
L2610053	SW6020B	DUP-01_20260225	L2610053-05	Lead	T	Yes	0.00652	0.00652 J	FDP
L2610053	SW6020B	DUP-01_20260225	L2610053-05	Manganese	D	Yes	1.229	1.229 J	FDP
L2610053	SW6020B	DUP-01_20260225	L2610053-05	Manganese	T	Yes	1.827	1.827 J	FDP
L2610053	SW6020B	DUP-01_20260225	L2610053-05	Nickel	T	Yes	0.03623	0.03623 J	FDP
L2610053	SW6020B	DUP-01_20260225	L2610053-05	Vanadium	T	Yes	0.02982	0.02982 J	FDP
L2610053	SW6020B	DUP-01_20260225	L2610053-05	Zinc	T	Yes	0.06528	0.06528 J	FDP
L2610053	SW6020B	DUP-01_20260225	L2610053-05	Zinc	D	Yes	0.0039 J	0.01 U	MBK
L2610053	SW8260D	DUP-01_20260225	L2610053-05	Bromomethane (Methyl Bromide)	N	Yes	U	UJ	LCS
L2610053	SW8260D	DUP-01_20260225	L2610053-05	Methyl Tert Butyl Ether (MTBE)	N	Yes	U	UJ	LCS
L2610053	SW8270ESIM	DUP-01_20260225	L2610053-05	1,4-Dioxane	N	Yes	167 J	283.0 U	MBK
L2610053	SW6020B	RI-MW-10_20260225	L2610053-06	Aluminum	D	Yes	0.00373 J	0.02 U	MBK
L2610053	SW8260D	RI-MW-10_20260225	L2610053-06	Bromomethane (Methyl Bromide)	N	Yes	U	UJ	LCS
L2610053	SW8260D	RI-MW-10_20260225	L2610053-06	Methyl Tert Butyl Ether (MTBE)	N	Yes	U	UJ	LCS
L2610053	SW8270ESIM	RI-MW-10_20260225	L2610053-06	1,4-Dioxane	N	Yes	277 J	288.0 U	MBK
L2610053	SW6020B	RI-MW-04_20260225	L2610053-07	Aluminum	D	Yes	0.0132 J	0.02 U	MBK
L2610053	SW6020B	RI-MW-04_20260225	L2610053-07	Zinc	D	Yes	0.00524 J	0.01 U	MBK
L2610053	SW8260D	RI-MW-04_20260225	L2610053-07	Bromomethane (Methyl Bromide)	N	Yes	U	UJ	LCS
L2610053	SW8260D	RI-MW-04_20260225	L2610053-07	Methyl Tert Butyl Ether (MTBE)	N	Yes	U	UJ	LCS
L2610053	SW8270ESIM	RI-MW-04_20260225	L2610053-07	1,4-Dioxane	N	Yes	232 J	288.0 U	MBK
L2610053	SW6020B	RI-MW-07_20260225	L2610053-08	Aluminum	D	Yes	0.0089 J	0.02 U	MBK
L2610053	SW6020B	RI-MW-07_20260225	L2610053-08	Zinc	D	Yes	0.00401 J	0.01 U	MBK
L2610053	SW8260D	RI-MW-07_20260225	L2610053-08	Bromomethane (Methyl Bromide)	N	Yes	U	UJ	LCS
L2610053	SW8260D	RI-MW-07_20260225	L2610053-08	Methyl Tert Butyl Ether (MTBE)	N	Yes	U	UJ	LCS

TABLE 7
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2610053	SW8270ESIM	RI-MW-07_20260225	L2610053-08	1,4-Dioxane	N	Yes	274 J	300.0 U	MBK
L2610053	SW6020B	FB-01_20260225	L2610053-09	Aluminum	D	Yes	0.0143 J	0.02 U	MBK
L2610053	SW6020B	FB-01_20260225	L2610053-09	Sodium	T	Yes	0.143 J	0.5 U	MBK
L2610053	SW8260D	FB-01_20260225	L2610053-09	Bromomethane (Methyl Bromide)	N	Yes	U	UJ	LCS
L2610053	SW8260D	FB-01_20260225	L2610053-09	Methyl Tert Butyl Ether (MTBE)	N	Yes	U	UJ	LCS
L2610320	E1633A	RI-MW-05_20260226	L2610320-03	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	N	Yes	U	UJ	IDL
L2610320	E1633A	RI-MW-05_20260226	L2610320-03	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	N	Yes	U	UJ	IDL
L2610320	E1633A	RI-MW-05_20260226	L2610320-03	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	IDL
L2610320	E1633A	RI-MW-05_20260226	L2610320-03	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2610320	E1633A	RI-MW-05_20260226	L2610320-03	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	IDL
L2610320	SW8081B	RI-MW-05_20260226	L2610320-03	alpha-Chlordane (cis)	N	Yes	U	UJ	RPD
L2610320	SW8270ESIM	RI-MW-05_20260226	L2610320-03	1,4-Dioxane	N	Yes	234 J	319.0 U	MBK
L2610320	E1633A	RI-MW-11_20260226	L2610320-04	N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	N	Yes	1.92	1.92 J	LCS
L2610320	E1633A	RI-MW-11_20260226	L2610320-04	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	N	Yes	U	UJ	IDL
L2610320	E1633A	RI-MW-11_20260226	L2610320-04	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	N	Yes	U	UJ	IDL
L2610320	E1633A	RI-MW-11_20260226	L2610320-04	Perfluorodecanoic acid (PFDA)	N	Yes	0.646 J	0.646 J	IDL
L2610320	E1633A	RI-MW-11_20260226	L2610320-04	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	IDL
L2610320	E1633A	RI-MW-11_20260226	L2610320-04	Perfluorooctane sulfonamide (PFOSA)	N	Yes	U	UJ	IDL
L2610320	E1633A	RI-MW-11_20260226	L2610320-04	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2610320	E1633A	RI-MW-11_20260226	L2610320-04	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	IDL
L2610320	E1633A	RI-MW-11_20260226	L2610320-04	Perfluoroundecanoic acid (PFUnDA)	N	Yes	U	UJ	IDL
L2610320	SW8270ESIM	RI-MW-11_20260226	L2610320-04	1,4-Dioxane	N	Yes	600	600 J+	MBK
L2610320	E1633A	RI-MW-02_20260226	L2610320-05	N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	N	Yes	U	UJ	LCS
L2610320	E1633A	RI-MW-02_20260226	L2610320-05	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	N	Yes	U	UJ	IDL
L2610320	E1633A	RI-MW-02_20260226	L2610320-05	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	N	Yes	U	UJ	IDL
L2610320	E1633A	RI-MW-02_20260226	L2610320-05	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	IDL
L2610320	E1633A	RI-MW-02_20260226	L2610320-05	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2610320	E1633A	RI-MW-02_20260226	L2610320-05	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	IDL
L2610320	E1633A	RI-MW-02_20260226	L2610320-05	Perfluoroundecanoic acid (PFUnDA)	N	Yes	U	UJ	IDL

TABLE 7
SYSTEM PERFORMANCE SUMMARY
ASTORIA COVE BUILDINGS 3A 3B
QUEENS, NY

SDG	Method	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2610320	SW8270ESIM	RI-MW-02_20260226	L2610320-05	1,4-Dioxane	N	Yes	242 J	294.0 U	MBK
L2610320	E1633A	RI-MW-06_20260226	L2610320-06	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	N	Yes	U	UJ	IDL
L2610320	E1633A	RI-MW-06_20260226	L2610320-06	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	N	Yes	U	UJ	IDL
L2610320	E1633A	RI-MW-06_20260226	L2610320-06	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	IDL
L2610320	E1633A	RI-MW-06_20260226	L2610320-06	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2610320	E1633A	RI-MW-06_20260226	L2610320-06	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	IDL
L2610320	SW8270ESIM	RI-MW-06_20260226	L2610320-06	1,4-Dioxane	N	Yes	261 J	288.0 U	MBK
L2610320	E1633A	RI-MW-09_20260226	L2610320-07	N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	N	Yes	U	UJ	IDL
L2610320	E1633A	RI-MW-09_20260226	L2610320-07	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	N	Yes	U	UJ	IDL
L2610320	E1633A	RI-MW-09_20260226	L2610320-07	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2610320	E1633A	RI-MW-09_20260226	L2610320-07	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	IDL
L2610320	SW8270ESIM	RI-MW-09_20260226	L2610320-07	1,4-Dioxane	N	Yes	382	382 J+	MBK

Notes:
IDL = Isotope dilution outside the specified limits.
LCS = Laboratory control/laboratory control 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.
FDP = Field duplicate qualifier due to an exceedance of the specified limits.
MSD = Matrix spike/matrix spike duplicate percent recoveries or relative percent difference were outside the specified limits.
MBK = Method blank contamination.
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.
J = Estimated concentration.
J+ = The result is an estimated quantity, but the result may be biased high.
U = The compound was analyzed for but not detected.
UJ = The compound was not detected. The reported sample quantitation limit is approximate.
This table was automatically generated from the Haley & Aldrich database and may contain trailing zeroes.

Forshay, Matt

From: NYENVDATA@dec.ny.gov
Sent: Wednesday, April 22, 2026 9:51 AM
To: Colby-George, Binks
Subject: Successfully loaded EDD (20260422 0914.C241295.NYSDEC_v5_MERGE.zip)
Attachments: 20260422 0914.C241295.NYSDEC_v5_MERGE.Commit.zip

External Sender: Use extra caution with links and actions.

Data from '20260422 0914.C241295.NYSDEC_v5_MERGE.zip' has been successfully loaded into the database.

Forshay, Matt

From: NYENVDATA@dec.ny.gov
Sent: Wednesday, April 22, 2026 6:11 PM
To: Colby-George, Binks
Subject: Successfully loaded EDD (20260422 1639.C241295.NYSDEC_v5_MERGE.zip)
Attachments: 20260422 1639.C241295.NYSDEC_v5_MERGE.Commit.zip

External Sender: Use extra caution with links and actions.

Data from '20260422 1639.C241295.NYSDEC_v5_MERGE.zip' has been successfully loaded into the database.

Forshay, Matt

From: NYENVDATA@dec.ny.gov
Sent: Wednesday, April 22, 2026 11:11 AM
To: Colby-George, Binks
Subject: Successfully loaded EDD (20260422 1039.C241295.NYSDEC_v5_MERGE.zip)
Attachments: 20260422 1039.C241295.NYSDEC_v5_MERGE.Commit.zip

External Sender: Use extra caution with links and actions.

Data from '20260422 1039.C241295.NYSDEC_v5_MERGE.zip' has been successfully loaded into the database.

APPENDIX J
Daily Reports

DAILY FIELD REPORT

Project	Former Tilsdale Lumber and Coal Redevelopment Site	**Report No.**	1
BCP Site	BCP Site No. C241295	**Date**	2/3/2026
Location	8-01 and 8-51 26th Avenue, Queens, NY	**File No.**	0211417
Client	KS Astoria, LLC	**Temperature**	9-31°F
Contractor	Coastal Environmental Solutions, Inc. (Coastal), NOVA Geophysical Services (NOVA)	**Wind Direction**	NW to SE, up to 11 mph
Weather	Cloudy	**Personnel on Site**	C. Jackson, K. O'Connor, Z. Simmel
Humidity	71%	**Time on Site**	6:30-16:15

H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) was present to document implementation of the NYSDEC-approved January 2026 Remedial Investigation Work Plan (RIWP) prepared by Haley & Aldrich of New York. Site observations are summarized below.

Daily Observations:

- NOVA completed a ground penetrating radar (GPR) survey and cleared accessible boring locations.
- Coastal mobilized a Geoprobe™ 7822DT drilling rig to the Site.
- 4 soil borings (RI-SB-01, RI-SB-03, RI-SB-12, RI-SB-16) were advanced to depths of approximately 20 feet below ground surface (ft bgs).
- Haley & Aldrich of New York collected soil samples and associated quality assurance and quality control (QA/QC) samples.

Samples Collected:

- The following soil samples were collected for Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), Target Analyte List (TAL) metals, plus total and hexavalent chromium, and total cyanide, TCL pesticides, polychlorinated biphenyls (PCBs), per- and polyfluoroalkyl substances (PFAS), and 1,4-dioxane analyses in accordance with the approved RIWP from borings RI-SB-01, RI-SB-03, RI-SB-12, and RI-SB-16:
  - RI-SB-01_0-2, RI-SB-01_2-4, RI-SB-01_10-12
  - RI-SB-03_0-2, RI-SB-03_3-5, RI-SB-03_10-12
  - RI-SB-12_0-2, RI-SB-12_3-5, RI-SB-12_10-12
  - RI-SB-16_0-2, RI-SB-16_3-5, RI-SB-16_10-12
- Samples were placed on ice in a cooler and shipped under chain of custody via courier to Pace Analytical Laboratories, Inc. in Westborough, Massachusetts for analyses in accordance with the approved RIWP.

CAMP Activities:

- Air monitoring was performed at two locations (one upwind and one downwind location) during ground-intrusive activities (between 6:30 am and 2:30 pm). No 15-minute average concentrations of VOCs or particulate 15-minute average concentration of matter smaller than 10 microns in diameter (PM10) exceeded the action levels.

- No visible dust or odors were observed migrating off-Site.

Activities Planned for Coming Week:

- Haley & Aldrich of New York and Coastal will continue implementation of the Remedial Investigation, including the installation of soil borings, groundwater monitoring wells, and soil vapor points.

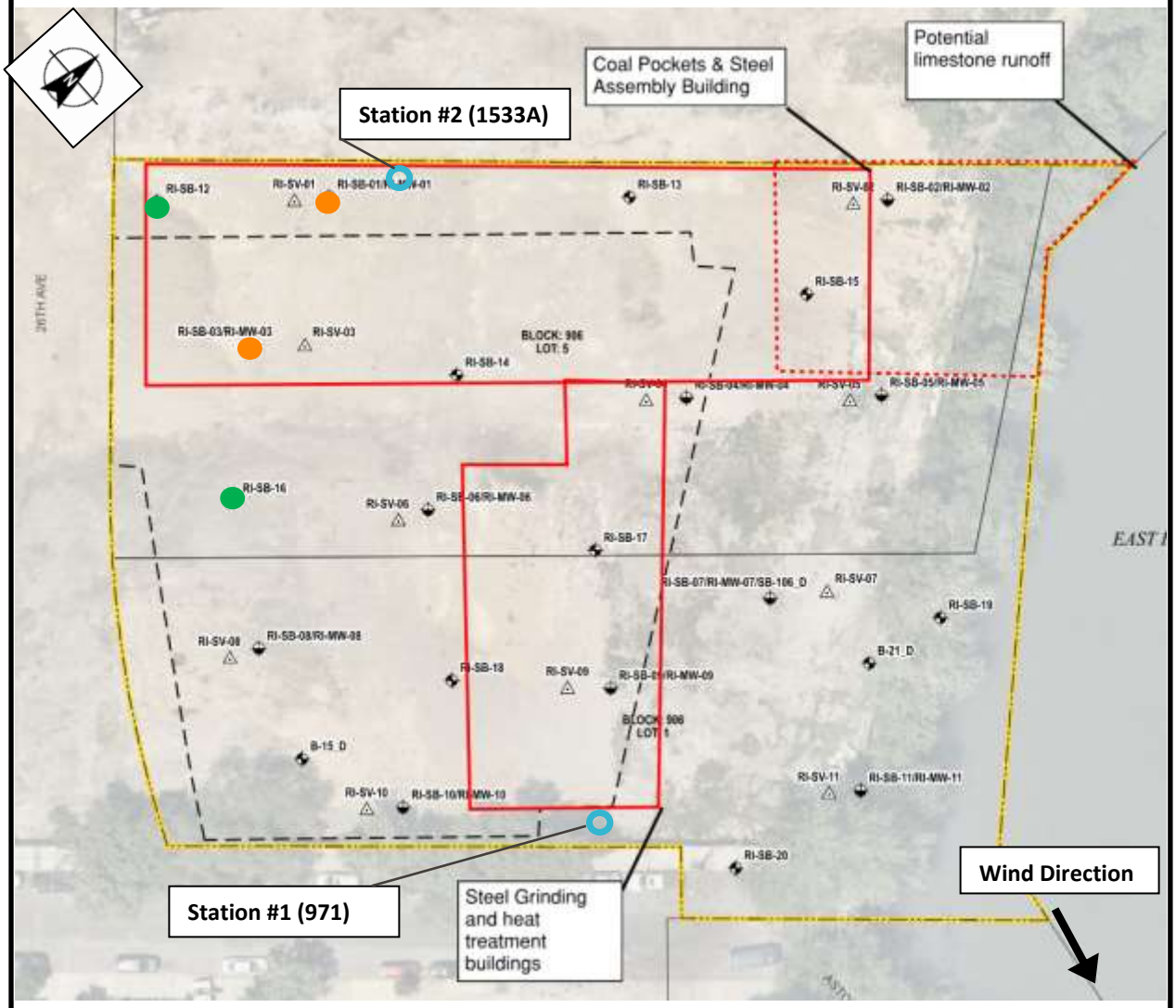
Site Photographs:

Photo 1: View of contractor conducting GPR survey, facing southeast.

Photo 2: View of contractor installing soil boring RI-SB-03, facing north.

DAILY FIELD REPORT

Site Plan:



LEGEND:

- CAMP Station
- In Progress
- Complete

Astoria Cove Buildings 3A & 3B
8-01 and 8-51 26th Ave Astoria, NY 11102

Air Monitoring Log

Date : 2026-02-03

Personnel : C. Jackson, K. O'Connor, Z. Simmel
Weather : Cloudy
Humidity : 71%
Wind Direction : NW to SE, up to 11 mph

Particulate Background (ug/m3) : 6.050
PID Background (ppm) : 0.0

Action Levels : Downwind perimeter of work area above background levels
PID (ppm) : > 5 ppm for the 15-min average
Dust (ug/m3) : > 150 for the 15-min average

Minute of Time	Avg. PM10 (Station1)	Avg. PM10 (Station2)	Avg. VOC(Station1)	Avg. VOC(Station2)	Odors	Notes Activities/Additional Monitoring
06:30	103.370	6.050	0.0	0.0		
06:45	15.149	5.525	0.0	0.0		
07:00	4.539	4.917	0.0	0.0		
07:15	3.597	4.611	0.0	0.0		
07:30	5.245	4.695	0.0	0.0		
07:45	3.184	4.483	0.0	0.0		
08:00	3.087	4.579	0.0	0.0		
08:15	3.555	4.049	0.0	0.0		
08:30	3.255	3.872	0.0	0.0		
08:45	2.864	3.863	0.0	0.0		
09:00	3.065	4.129	0.0	0.0		
09:15	3.632	4.209	0.0	0.0		
09:30	3.142	5.598	0.0	0.0		
09:45	5.412	7.837	0.0	0.0		
10:00	5.296	7.239	0.0	0.0		
10:15	4.219	9.431	0.0	0.0		
10:30	4.147	7.341	0.0	0.0		
10:45	4.434	9.913	0.0	0.0		

Astoria Cove Buildings 3A & 3B
8-01 and 8-51 26th Ave Astoria, NY 11102

Air Monitoring Log

Minute of Time	Avg. PM10 (Station1)	Avg. PM10 (Station2)	Avg. VOC(Station1)	Avg. VOC(Station2)	Odors	Notes Activities/Additional Monitoring
11:00	4.689	10.976	0.0	0.0		
11:15	4.732	11.035	0.0	0.0		
11:30	7.877	22.389	0.0	0.0		
11:45	5.679	11.638	0.0	0.0		
12:00	5.257	10.301	0.0	0.0		
12:15	6.103	20.697	0.0	0.0		
12:30	5.930	17.239	0.0	0.0		
12:45	5.719	11.765	0.0	0.0		
13:00	8.818	29.732	0.0	0.0		
13:15	8.516	33.349	0.0	0.0		
13:30	5.427	9.152	0.0	0.0		
13:45	5.902	8.897	0.0	0.0		
14:00	6.217	8.657	0.0	0.0		
14:15	6.641	10.426	0.0	0.0		
14:30	6.759	10.653	0.0	0.0		

H&A-Astoria Buildings 3A &3B

Site Name	Station Name	Serial Number	DateStart	DateEnd
H&A-Astoria Buildings 3A & 3B	Station1	AQS1 02052019-971	2/3/2026 6:43:00 AM	2/3/2026 2:37:00 PM
	Station2	DS 17022021-1533A	2/3/2026 6:42:00 AM	2/3/2026 2:36:00 PM

DAILY FIELD REPORT

Project	Former Tilsdale Lumber and Coal Redevelopment Site	**Report No.**	2
BCP Site	BCP Site No. C241295	**Date**	02/04/2026
Location	8-01 and 8-51 26th Avenue, Queens, NY	**File No.**	0211417
Client	KS Astoria, LLC	**Temperature**	19-30°F
Contractor	Coastal Environmental Solutions, Inc. (Coastal)	**Wind Direction**	NW to SE, up to 21 mph
Weather	Sunny	**Personnel on Site**	C. Jackson, K. O'Connor, E. Butler
Humidity	79%	**Time on Site**	6:30-16:30

H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) was present to document implementation of the NYSDEC-approved January 2026 Remedial Investigation Work Plan (RIWP) prepared by Haley & Aldrich of New York. Site observations are summarized below.

Daily Observations:

- New York State Department of Environmental Conservation (NYSDEC) representatives Becky Kerrigan and Erick Bower were on-Site to observe remedial investigation work.
- Coastal mobilized a Geoprobe™ 7720 DT drilling rig to the Site.
- 3 soil borings (RI-SB-08, RI-SB-10, B-15_D) were advanced to depths of approximately 20 feet below ground surface (ft bgs).
- 1 soil boring (RI-SB-04) was advanced to a depth of approximately 24 ft bgs.
- 2 permanent groundwater monitoring wells, RI-MW-03 and RI-MW-08, were installed to depths of approximately 23 ft bgs and 22 ft bgs, respectively.
- Haley & Aldrich of New York collected soil samples and associated quality assurance and quality control (QA/QC) samples.

Samples Collected:

- The following soil samples were collected for Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), Target Analyte List (TAL) metals, plus total and hexavalent chromium, and total cyanide, TCL pesticides, polychlorinated biphenyls (PCBs), per- and polyfluoroalkyl substances (PFAS), and 1,4-dioxane analyses in accordance with the approved RIWP from borings RI-SB-04, RI-SB-08, RI-SB-10, and B-15_D:
  - RI-SB-04_0-2, RI-SB-04_10-12, RI-SB-04_18-20
  - RI-SB-08_0-2, RI-SB-08_3-5, RI-SB-08_10-12
  - RI-SB-10_0-2, RI-SB-10_2-4, RI-SB-10_10-12
  - B-15_D_0-2, B-15_D_2-4, B-15_D_10-12
- Samples were placed on ice in a cooler and shipped under chain of custody via courier to Pace Analytical Laboratories, Inc. in Westborough, Massachusetts for analyses in accordance with the approved RIWP.

CAMP Activities:

- Air monitoring was performed at two locations (one upwind and one downwind location) during ground-intrusive activities (between 6:45 am and 2:30 pm). No 15-minute average

concentrations of VOCs or particulate 15-minute average concentration of matter smaller than 10 microns in diameter (PM10) exceeded the action levels.
- No visible dust or odors were observed migrating off-Site.

Activities Planned for Coming Week:
- Haley & Aldrich of New York and Coastal will continue implementation of the Remedial Investigation, including the installation of soil borings, groundwater monitoring wells, and soil vapor points.

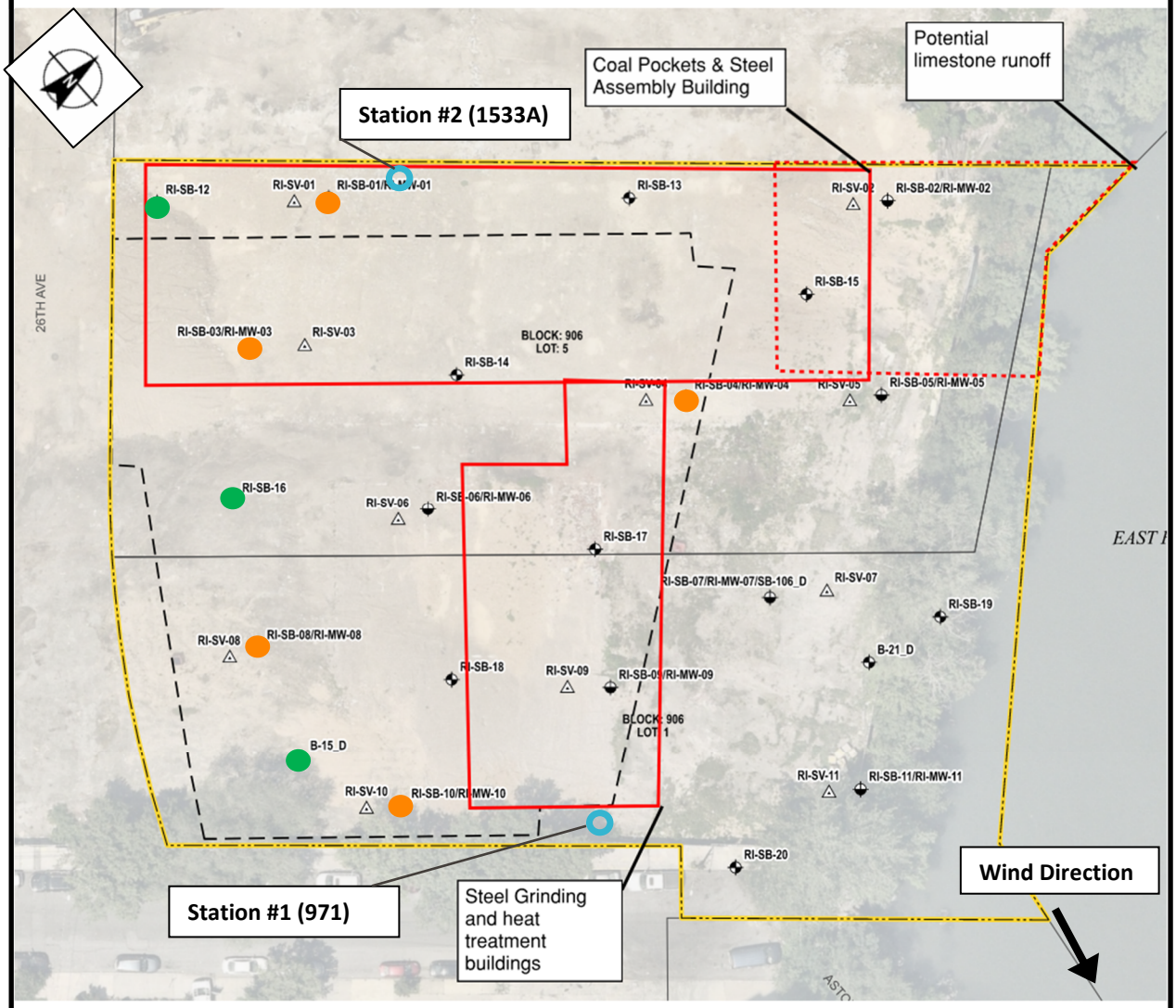
Site Photographs:

Photo 1: View of contractor installing soil boring RI-SB-10, facing southeast.

Photo 2: View of contractor installing permanent groundwater monitoring well RI-MW-03, facing northeast.

DAILY FIELD REPORT

Site Plan:



LEGEND:

- CAMP Station
- In Progress
- Complete

Astoria Cove Buildings 3A & 3B
8-01 and 8-51 26th Ave Astoria, NY 11102

Air Monitoring Log

Date : 2026-02-04

Personnel : C. Jackson, K. O'Connor, E. Butler
Weather : 19-30, Sunny
Humidity : 79%
Wind Direction : Up to 21 mph, NW to SE

Particulate Background (ug/m3) : 13.263
PID Background (ppm) : 0.0

Action Levels : Downwind perimeter of work area above background levels
PID (ppm) : > 5 ppm for the 15-min average
Dust (ug/m3) : > 150 for the 15-min average

Minute of Time	Avg. PM10 (Station1)	Avg. PM10 (Station2)	Avg. VOC(Station1)	Avg. VOC(Station2)	Odors	Notes Activities/Additional Monitoring
06:45	10.276	13.263	0.0	0.0		
07:00	8.855	13.240	0.0	0.0		
07:15	8.191	11.846	0.0	0.0		
07:30	7.647	10.831	0.0	0.0		
07:45	8.201	11.149	0.0	0.0		
08:00	7.673	10.999	0.0	0.0		
08:15	7.305	10.153	0.0	0.0		
08:30	11.045	9.124	0.0	0.0		
08:45	7.613	9.553	0.0	0.0		
09:00	5.419	7.871	0.0	0.0		
09:15	4.158	7.157	0.0	0.0		
09:30	2.763	5.542	0.0	0.0		
09:45	2.115	4.455	0.0	0.0		
10:00	1.891	4.073	0.0	0.0		
10:15	1.663	3.947	0.0	0.0		
10:30	1.542	3.771	0.0	0.0		
10:45	2.173	3.440	0.0	0.0		

Astoria Cove Buildings 3A & 3B
8-01 and 8-51 26th Ave Astoria, NY 11102

Air Monitoring Log

Minute of Time	Avg. PM10 (Station1)	Avg. PM10 (Station2)	Avg. VOC(Station1)	Avg. VOC(Station2)	Odors	Notes Activities/Additional Monitoring
11:00	3.732	3.672	0.0	0.0		
11:15	3.751	4.223	0.0	0.0		
11:30	4.176	3.803	0.0	0.0		
11:45	3.693	3.935	0.0	0.0		
12:00	3.581	3.929	0.0	0.0		
12:15	3.975	3.966	0.0	0.0		
12:30	4.539	4.095	0.0	0.0		
12:45	5.637	4.432	0.0	0.0		
13:00	22.085	4.515	0.0	0.0		
13:15	9.971	4.271	0.0	0.0		
13:30	4.345	4.203	0.0	0.0		
13:45	3.803	3.546	0.0	0.0		
14:00	3.776	3.773	0.0	0.0		
14:15	4.155	4.239	0.0	0.0		
14:30	3.750		0.0			

H&A-Astoria Buildings 3A &3B

Site Name	Station Name	Serial Number	DateStart	DateEnd
H&A-Astoria Buildings 3A & 3B	Station1	AQS1 02052019-971	2/4/2026 6:51:00 AM	2/4/2026 2:30:00 PM
	Station2	DS 17022021-1533A	2/4/2026 6:50:00 AM	2/4/2026 2:29:00 PM

DAILY FIELD REPORT

Project	Former Tilsdale Lumber and Coal Redevelopment Site	**Report No.**	3
BCP Site	BCP Site No. C241295	**Date**	02/05/2026
Location	8-01 and 8-51 26th Avenue, Queens, NY	**File No.**	0211417
Client	KS Astoria, LLC	**Temperature**	11-30°F
Contractor	Coastal Environmental Solutions, Inc. (Coastal)	**Wind Direction**	NW to SE, up to 9 mph
Weather	Sunny	**Personnel on Site**	C. Jackson, K. O'Connor
Humidity	70%	**Time on Site**	6:30-17:00

H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) was present to document implementation of the NYSDEC-approved January 2026 Remedial Investigation Work Plan (RIWP) prepared by Haley & Aldrich of New York. Site observations are summarized below.

Daily Observations:

- 3 soil borings (RI-SB-07/SB-106_D, RI-SB-11, RI-SB-20) were advanced to depths of approximately 20 feet below ground surface (ft bgs).
- 1 soil boring (RI-SB-09) was advanced to refusal at a depth of approximately 15 ft bgs.
- 1 permanent groundwater monitoring well, RI-MW-10, was installed to a depth of approximately 23 ft bgs.
- Coastal completed development of two permanent groundwater monitoring wells, RI-MW-03 and RI-MW-08.
- 5 soil vapor points (RI-SV-01, RI-SV-03, RI-SV-08, RI-SV-10, and RI-SV-11 were installed to approximately 15 ft bgs.
- Haley & Aldrich of New York collected soil and soil vapor samples and associated quality assurance and quality control (QA/QC) samples.

Samples Collected:

- The following soil samples were collected for Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), Target Analyte List (TAL) metals, plus total and hexavalent chromium, and total cyanide, TCL pesticides, polychlorinated biphenyls (PCBs), per- and polyfluoroalkyl substances (PFAS), and 1,4-dioxane analyses in accordance with the approved RIWP from borings RI-SB-07, RI-SB-09, RI-SB-11, and RI-SB-20:
  - RI-SB-07_0-2
  - RI-SB-07_10-12
  - RI-SB-09_0-2
  - RI-SB-09_10-12
  - RI-SB-20_0-2
  - RI-SB-20_8-10
  - RI-SB-20_11-13
  - RI-SB-11_0-2
  - RI-SB-11_8-10
  - RI-SB-11_11-13

- The following soil sample was collected for Total and TCLP Lead analyses in accordance with the approved RIWP from boring: SB-106_D
  - SB-106_D_3-5_US
- The following soil vapor samples were collected for TO-15 analyses in accordance with the approved RIWP:
  - RI-SV-01_20260205
  - RI-SV-03_20260205
  - RI-SV-08_20260205
  - RI-SV-10_20260205
  - RI-SV-11_20260205
- Samples were placed on ice in a cooler and shipped under chain of custody via courier to Pace Analytical Laboratories, Inc. in Westborough, Massachusetts for analyses in accordance with the approved RIWP.

CAMP Activities:

- Air monitoring was performed at two locations (one upwind and one downwind location) during ground-intrusive activities (between 6:30 am and 3:00 pm). No 15-minute average concentrations of VOCs or particulate 15-minute average concentration of matter smaller than 10 microns in diameter (PM10) exceeded the action levels.
- No visible dust or odors were observed migrating off-Site.

Activities Planned for Coming Week:

- Haley & Aldrich of New York and Coastal will continue implementation of the Remedial Investigation, including the installation of soil borings, groundwater monitoring wells, and soil vapor points.

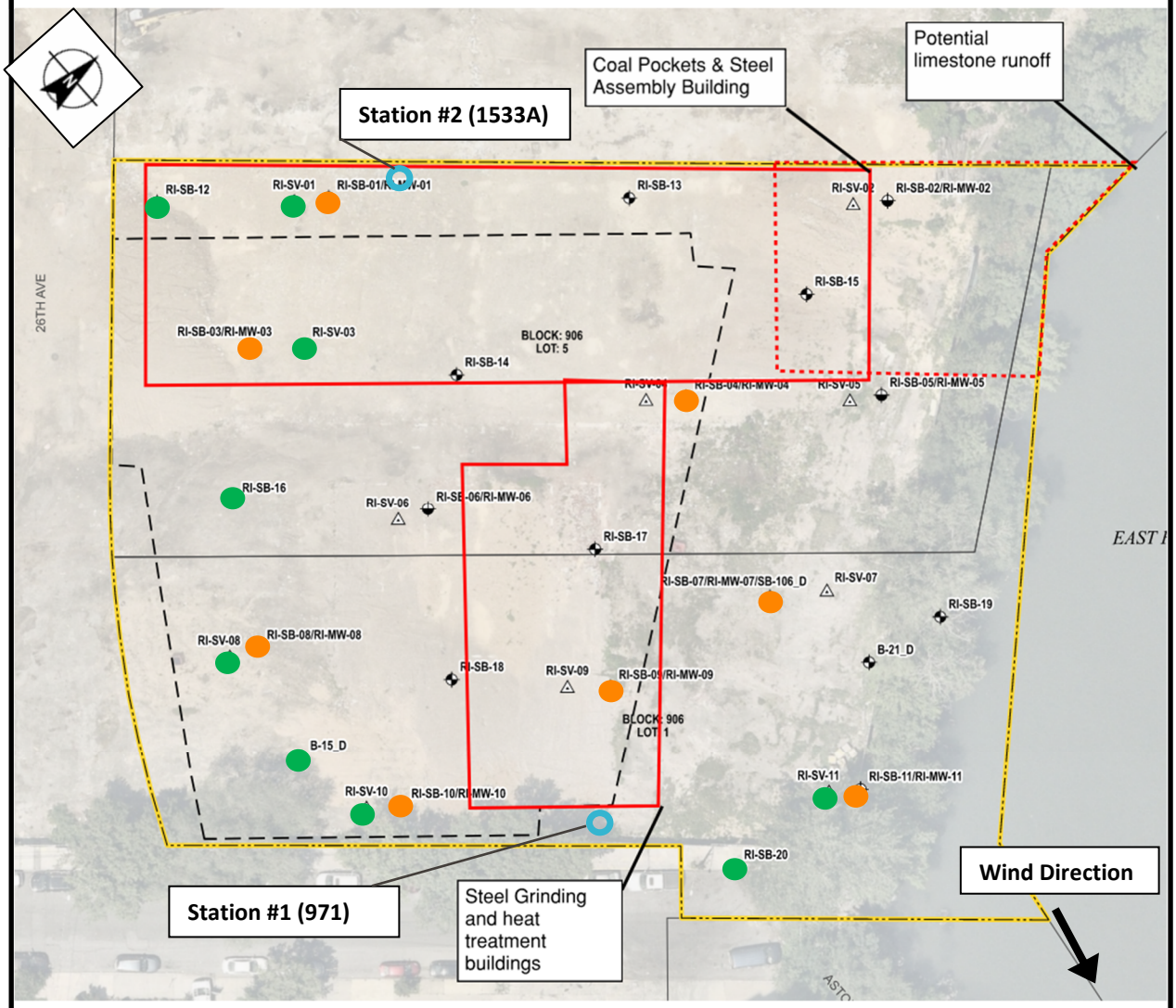
Site Photographs:

Photo 1: View of contractor installing permanent groundwater monitoring well RI-MW-10, facing northeast.

Photo 2: View of contractor installing soil boring RI-SB-07, facing east.

DAILY FIELD REPORT

Site Plan:



LEGEND:

- CAMP Station
- In Progress
- Complete

Astoria Cove Buildings 3A & 3B
8-01 and 8-51 26th Ave Astoria, NY 11102

Air Monitoring Log

Date : 2026-02-05

Personnel : C. Jackson
Weather : 11-30, Sunny
Humidity : 70%
Wind Direction : NW to SE, up to 9 mph

Particulate Background (ug/m3) : 7.980
PID Background (ppm) : 0.0

Action Levels : Downwind perimeter of work area above background levels
PID (ppm) : > 5 ppm for the 15-min average
Dust (ug/m3) : > 150 for the 15-min average

Minute of Time	Avg. PM10 (Station1)	Avg. PM10 (Station2)	Avg. VOC(Station1)	Avg. VOC(Station2)	Odors	Notes Activities/Additional Monitoring
06:30	6.215	7.980	0.0	0.0		
06:45	4.843	7.952	0.0	0.0		
07:00	7.998	7.864	0.0	0.0		
07:15	8.403	6.695	0.0	0.0		
07:30	8.463	6.129	0.0	0.0		
07:45	7.699	5.871	0.0	0.0		
08:00	5.513	5.531	0.0	0.0		
08:15	7.331	5.525	0.0	0.0		
08:30	8.257	5.094	0.0	0.0		
08:45	12.190	4.344	0.0	0.0		
09:00	8.485	4.699	0.0	0.0		
09:15	8.777	4.419	0.0	0.0		
09:30	9.722	4.727	0.0	0.0		
09:45	4.037	6.467	0.0	0.0		
10:00	4.124	6.004	0.0	0.0		
10:15	4.065	5.139	0.0	0.0		
10:30	4.507	6.751	0.0	0.0		
10:45	4.836	10.356	0.0	0.0		

Astoria Cove Buildings 3A & 3B
8-01 and 8-51 26th Ave Astoria, NY 11102

Air Monitoring Log

Minute of Time	Avg. PM10 (Station1)	Avg. PM10 (Station2)	Avg. VOC(Station1)	Avg. VOC(Station2)	Odors	Notes Activities/Additional Monitoring
11:00	4.241	6.589	0.0	0.0		
11:15	22.613	6.772	0.0	0.0		
11:30	25.355	6.303	0.0	0.0		
11:45	3.833	6.383	0.0	0.0		
12:00	3.513	6.385	0.0	0.0		
12:15	3.372	6.791	0.0	0.0		
12:30	3.183	5.731	0.0	0.0		
12:45	2.795	4.741	0.0	0.0		
13:00	3.431	5.385	0.0	0.0		
13:15	2.771	5.863	0.0	0.0		
13:30	2.841	6.592	0.0	0.0		
13:45	2.502	5.997	0.0	0.0		
14:00	2.457	6.752	0.0	0.0		
14:15	2.241	7.464	0.0	0.0		
14:30	1.951	5.986	0.0	0.0		
14:45	2.641	4.595	0.0	0.0		
15:00	2.272	7.407	0.0	0.0		

H&A-Astoria Buildings 3A &3B

Site Name	Station Name	Serial Number	DateStart	DateEnd
H&A-Astoria Buildings 3A & 3B	Station1	AQS1 02052019-971	2/5/2026 6:43:00 AM	2/5/2026 3:10:00 PM
	Station2	DS 17022021-1533A	2/5/2026 6:42:00 AM	2/5/2026 3:07:00 PM

DAILY FIELD REPORT

Project	Former Tilsdale Lumber and Coal Redevelopment Site	**Report No.**	4
BCP Site	BCP Site No. C241295	**Date**	02/06/2026
Location	8-01 and 8-51 26th Avenue, Queens, NY	**File No.**	0211417
Client	KS Astoria, LLC	**Temperature**	14-30°F
Contractor	Coastal Environmental Solutions, Inc. (Coastal)	**Wind Direction**	NW to SE, up to 12 mph
Weather	Sunny	**Personnel on Site**	C. Jackson, K. O'Connor
Humidity	73%	**Time on Site**	6:30-16:15

H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) was present to document implementation of the NYSDEC-approved January 2026 Remedial Investigation Work Plan (RIWP) prepared by Haley & Aldrich of New York. Site observations are summarized below.

Daily Observations:

- 1 soil boring (B-21_D) was advanced to a depth of approximately 5 feet below ground surface (ft bgs).
- 2 soil borings (RI-SB-02, RI-SB-05) were advanced to depths of approximately 20 ft bgs.
- 1 soil boring (RI-SB-19) was advanced to refusal at a depth of approximately 15 ft bgs.
- Coastal completed development of one permanent groundwater monitoring well, RI-MW-10.
- 3 soil vapor points (RI-SV-02, RI-SV-05, and RI-SV-07 were installed to approximately 11 ft bgs.
- Haley & Aldrich of New York collected soil and soil vapor samples and associated quality assurance and quality control (QA/QC) samples.

Samples Collected:

- The following soil samples were collected for Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), Target Analyte List (TAL) metals, plus total and hexavalent chromium, and total cyanide, TCL pesticides, polychlorinated biphenyls (PCBs), per- and polyfluoroalkyl substances (PFAS), and 1,4-dioxane analyses in accordance with the approved RIWP from borings RI-SB-02, RI-SB-05, and RI-SB-19:
  - RI-SB-02_0-2
  - RI-SB-02_7-9
  - RI-SB-02_13-15
  - RI-SB-05_0-2
  - RI-SB-05_7-9
  - RI-SB-05_13-15
  - RI-SB-19_0-2
  - RI-SB-19_7-9
  - RI-SB-19_10-12
- The following soil sample was collected for Total and TCLP Lead analyses in accordance with the approved RIWP from boring: SB-106_D
  - B-21_D_0-2
- The following soil vapor samples were collected for TO-15 analyses in accordance with the approved RIWP:

  - RI-SV-02_20260206
  - RI-SV-05_20260206
  - RI-SV-07_20260206
- Samples were placed on ice in a cooler and shipped under chain of custody via courier to Pace Analytical Laboratories, Inc. in Westborough, Massachusetts for analyses in accordance with the approved RIWP.

CAMP Activities:

- Air monitoring was performed at two locations (one upwind and one downwind location) during ground-intrusive activities (between 6:45 am and 1:15 pm). No 15-minute average concentrations of VOCs or particulate 15-minute average concentration of matter smaller than 10 microns in diameter (PM10) exceeded the action levels.
- No visible dust or odors were observed migrating off-Site.

Activities Planned for Coming Week:

- Haley & Aldrich of New York and Coastal will continue implementation of the Remedial Investigation, including the installation of soil borings, groundwater monitoring wells, and soil vapor points.

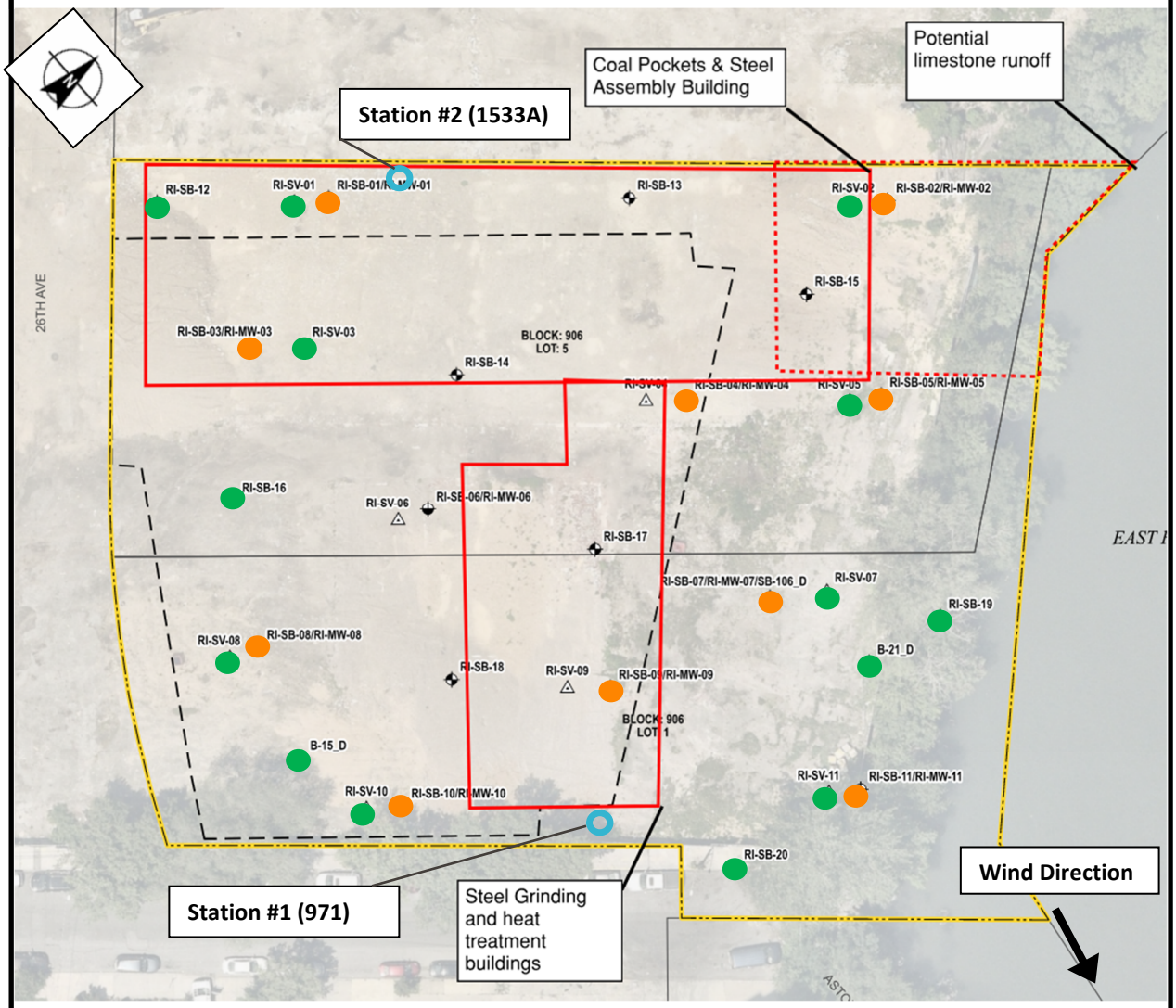
Site Photographs:

Photo 1: View of contractor advancing soil boring B-21_D, facing southeast.

Photo 2: View of contractor installing soil vapor point RI-SV-07, facing northwest.

DAILY FIELD REPORT

Site Plan:



LEGEND:

- CAMP Station
- In Progress
- Complete

Astoria Cove Buildings 3A & 3B
8-01 and 8-51 26th Ave Astoria, NY 11102

Air Monitoring Log

Date : 2026-02-06

Personnel : C. Jackson, K. O'Connor
Weather : 14-30, Sunny
Humidity : 73%
Wind Direction : up to 12 mph, NW to SE

Particulate Background (ug/m3) : 5.674
PID Background (ppm) : 0.0

Action Levels : Downwind perimeter of work area above background levels
PID (ppm) : > 5 ppm for the 15-min average
Dust (ug/m3) : > 150 for the 15-min average

Minute of Time	Avg. PM10 (Station1)	Avg. PM10 (Station2)	Avg. VOC(Station1)	Avg. VOC(Station2)	Odors	Notes Activities/Additional Monitoring
06:45	6.712	5.674	0.0	0.0		
07:00	4.422	8.816	0.0	0.0		
07:15	4.733	7.027	0.0	0.0		
07:30	4.411	5.076	0.0	0.0		
07:45	4.850	5.033	0.0	0.0		
08:00	4.775	5.027	0.0	0.0		
08:15	5.455	4.752	0.0	0.0		
08:30	4.946	4.961	0.0	0.0		
08:45	4.195	4.806	0.0	0.0		
09:00	3.925	7.341	0.0	0.0		
09:15	4.827	6.089	0.0	0.0		
09:30	4.765	4.811	0.0	0.0		
09:45	2.507	3.497	0.0	0.0		
10:00	2.665	2.902	0.0	0.0		
10:15	3.027	3.435	0.0	0.0		
10:30	2.728	4.705	0.0	0.0		
10:45	3.082	4.199	0.0	0.0		

Astoria Cove Buildings 3A & 3B
8-01 and 8-51 26th Ave Astoria, NY 11102

Air Monitoring Log

Minute of Time	Avg. PM10 (Station1)	Avg. PM10 (Station2)	Avg. VOC(Station1)	Avg. VOC(Station2)	Odors	Notes Activities/Additional Monitoring
11:00	3.413	4.440	0.0	0.0		
11:15	3.726	4.759	0.0	0.0		
11:30	3.732	6.211	0.0	0.0		
11:45	3.977	4.855	0.0	0.0		
12:00	3.636	4.759	0.0	0.0		
12:15	3.669	4.869	0.0	0.0		
12:30	8.774	4.477	0.0	0.0		
12:45	7.695	4.162	0.0	0.0		
13:00	2.417	3.706	0.0	0.0		
13:15	3.641	5.726	0.0	0.0		

H&A-Astoria Buildings 3A &3B

Site Name	Station Name	Serial Number	DateStart	DateEnd
H&A-Astoria Buildings 3A & 3B	Station1	AQS1 02052019-971	2/6/2026 6:49:00 AM	2/6/2026 1:28:00 PM
	Station2	DS 17022021-1533A	2/6/2026 6:48:00 AM	2/6/2026 1:25:00 PM

DAILY FIELD REPORT

Project	Former Tilsdale Lumber and Coal Redevelopment Site	**Report No.**	5
BCP Site	BCP Site No. C241295	**Date**	02/12/2026
Location	8-01 and 8-51 26th Avenue, Queens, NY	**File No.**	0212609
Client	KS Astoria Holdings LLC	**Temperature**	30-32°F
Contractor	Coastal Environmental Solutions, Inc. (Coastal)	**Wind Direction**	NW to SE, up to 25 mph
Weather	Partly Cloudy	**Personnel on Site**	C. Jackson, T. Ritchie
Humidity	64%	**Time on Site**	6:30-16:30

H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) was present to document implementation of the NYSDEC-approved January 2026 Remedial Investigation Work Plan (RIWP) prepared by Haley & Aldrich of New York. Site observations are summarized below.

Daily Observations:

- 1 soil boring (RI-SB-13) was advanced to a depth of approximately 40 feet below ground surface (ft bgs).
- 1 permanent groundwater monitoring well, MW-01, was installed to a depth of approximately 23 ft bgs.
- Haley & Aldrich of New York collected soil samples and associated quality assurance and quality control (QA/QC) samples.

Samples Collected:

- The following soil samples were collected for Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), Target Analyte List (TAL) metals, plus total and hexavalent chromium, and total cyanide, TCL pesticides, polychlorinated biphenyls (PCBs), per- and polyfluoroalkyl substances (PFAS), and 1,4-dioxane analyses in accordance with the approved RIWP from boring RI-SB-13:
  - RI-SB-13_0-2
  - RI-SB-13_10-12
  - RI-SB-13_20-22
- Samples were placed on ice in a cooler and shipped under chain of custody via courier to Pace Analytical Laboratories, Inc. in Westborough, Massachusetts for analyses in accordance with the approved RIWP.

CAMP Activities:

- Air monitoring was performed at two locations (one upwind and one downwind location) during ground-intrusive activities (between 6:45 am and 3:30 pm). No 15-minute average concentrations of VOCs or particulate 15-minute average concentration of matter smaller than 10 microns in diameter (PM10) exceeded the action levels.
- No visible dust or odors were observed migrating off-Site.

DAILY FIELD REPORT

Activities Planned for Coming Week:

- Haley & Aldrich of New York and Coastal will continue implementation of the Remedial Investigation, including the installation of soil borings, groundwater monitoring wells, and soil vapor points.

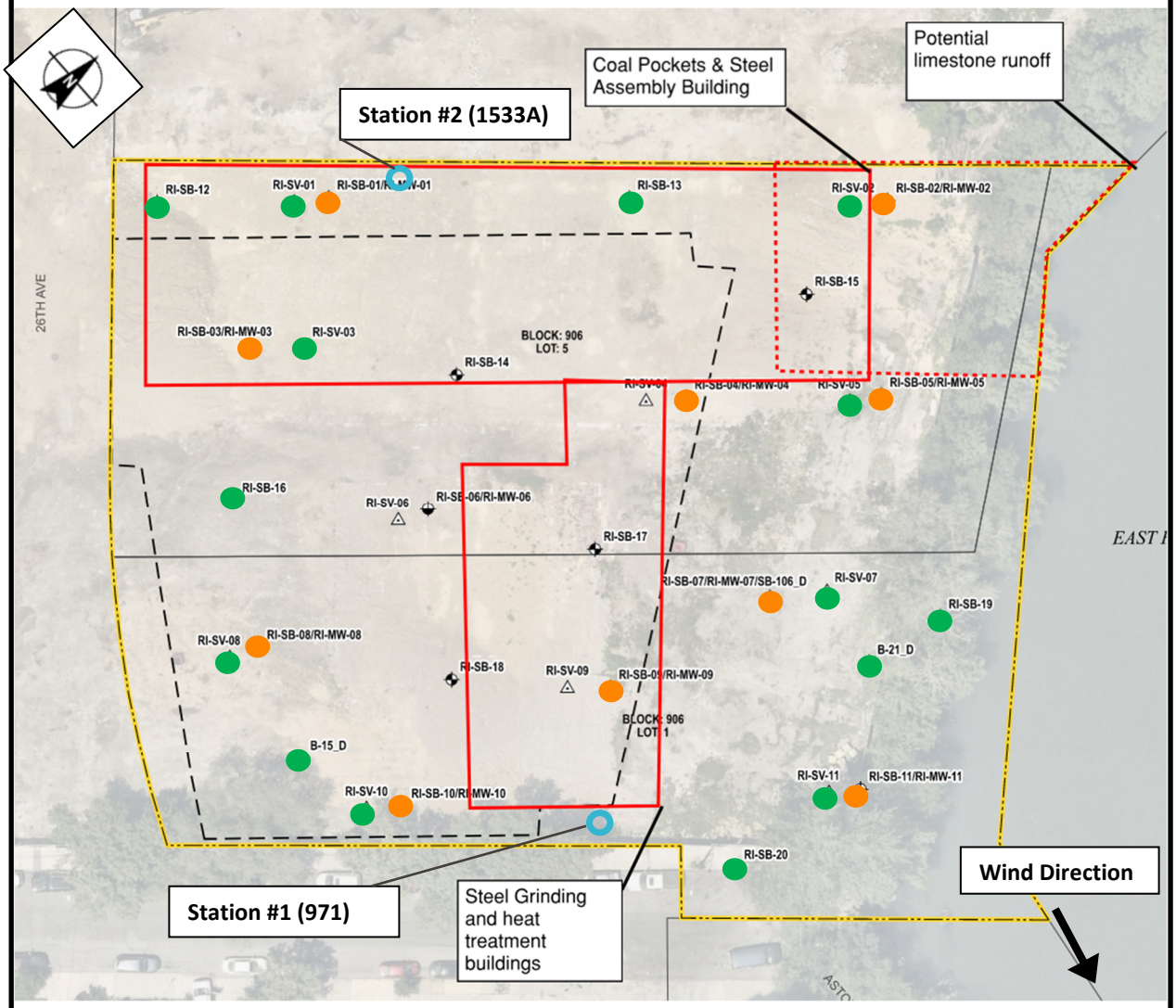
Site Photographs:

Photo 1: View of contractor installing monitoring well RI-MW-01, facing south.

Photo 2: View of contractor advancing soil boring RI-SB-13, facing south.

DAILY FIELD REPORT

Site Plan:



LEGEND:

- CAMP Station
- In Progress
- Complete

Astoria Cove Buildings 3A & 3B
8-01 and 8-51 26th Ave Astoria, NY 11102

Air Monitoring Log

Date : 2026-02-12

Personnel : C. Jackson, T.Ritchie
Weather : 30-32, Partly Cloudy
Humidity : 64%
Wind Direction : Up to 25 mph, from NW to SE

Particulate Background (ug/m3) : 3.190
PID Background (ppm) : 0.0

Action Levels : Downwind perimeter of work area above background levels
PID (ppm) : > 5 ppm for the 15-min average
Dust (ug/m3) : > 150 for the 15-min average

Minute of Time	Avg. PM10 (Station1)	Avg. PM10 (Station2)	Avg. VOC(Station1)	Avg. VOC(Station2)	Odors	Notes Activities/Additional Monitoring
06:45	1.630	3.190	0.0	0.0		
07:00	1.363	2.944	0.0	0.0		
07:15	1.598	2.541	0.0	0.0		
07:30	1.161	1.817	0.0	0.0		
07:45	1.293	2.576	0.0	0.0		
08:00	1.017	2.016	0.0	0.0		
08:15	1.162	2.729	0.0	0.0		
08:30	1.386	14.289	0.0	0.0		
08:45	1.605	10.050	0.0	0.0		
09:00	1.274	13.340	0.0	0.0		
09:15	0.865	8.563	0.0	0.0		
09:30	0.581	8.541	0.0	0.0		
09:45	0.941	8.615	0.0	0.0		
10:00	1.338	9.758	0.0	0.0		
10:15	1.422	14.130	0.0	0.0		
10:30	1.597	13.575	0.0	0.0		
10:45	1.621	7.242	0.0	0.0		

Astoria Cove Buildings 3A & 3B
8-01 and 8-51 26th Ave Astoria, NY 11102

Air Monitoring Log

Minute of Time	Avg. PM10 (Station1)	Avg. PM10 (Station2)	Avg. VOC(Station1)	Avg. VOC(Station2)	Odors	Notes Activities/Additional Monitoring
11:00	2.122	7.989	0.0	0.0		
11:15	2.502	8.714	0.0	0.0		
11:30	1.725	6.935	0.0	0.0		
11:45	1.630	8.105	0.0	0.0		
12:00	1.458	7.726	0.0	0.0		
12:15	1.764	9.685	0.0	0.0		
12:30	2.399	11.296	0.0	0.0		
12:45	2.258	5.661	0.0	0.0		
13:00	1.591	5.599	0.0	0.0		
13:15	2.511	9.852	0.0	0.0		
13:30	2.216	11.290	0.0	0.0		
13:45	2.643	15.051	0.0	0.0		
14:00	3.233	16.417	0.0	0.0		
14:15	1.747	5.157	0.0	0.0		
14:30	1.633	3.571	0.0	0.0		
14:45	2.212	7.649	0.0	0.0		
15:00	1.771	7.685	0.0	0.0		
15:15	2.237	8.973	0.0	0.0		
15:30	1.565	5.195	0.0	0.0		

H&A-Astoria Buildings 3A &3B

Site Name	Station Name	Serial Number	DateStart	DateEnd
H&A-Astoria Buildings 3A & 3B	Station1	AQS1 02052019-971	2/12/2026 6:52:00 AM	2/12/2026 3:40:00 PM
	Station2	DS 17022021-1533A	2/12/2026 6:51:00 AM	2/12/2026 3:42:00 PM

DAILY FIELD REPORT

Project	Former Tilsdale Lumber and Coal Redevelopment Site	**Report No.**	6
BCP Site	BCP Site No. C241295	**Date**	02/13/2026
Location	8-01 and 8-51 26th Avenue, Queens, NY	**File No.**	0212609
Client	KS Astoria Holdings LLC	**Temperature**	21-37°F
Contractor	Coastal Environmental Solutions, Inc. (Coastal)	**Wind Direction**	NW to SE, up to 15 mph
Weather	Sunny	**Personnel on Site**	C. Jackson, T. Ritchie
Humidity	54%	**Time on Site**	6:30-16:15

H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) was present to document implementation of the NYSDEC-approved January 2026 Remedial Investigation Work Plan (RIWP) prepared by Haley & Aldrich of New York. Site observations are summarized below.

Daily Observations:

- 3 soil borings (RI-SB-06, RI-SB-07, and RI-SB-09) were advanced to a depth of approximately 40 feet below ground surface (ft bgs).
- 4 permanent groundwater monitoring wells (RI-MW-04, RI-MW-06, RI-MW-07, and RI-MW-09) were installed to a depth of approximately 35 ft bgs.
- 3 soil vapor points (RI-SV-04, RI-SV-06, and RI-SV-09) were installed to approximately 28 ft bgs.
- Haley & Aldrich of New York collected soil and soil vapor samples and associated quality assurance and quality control (QA/QC) samples.

Samples Collected:

- The following soil samples were collected for Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), Target Analyte List (TAL) metals, plus total and hexavalent chromium, and total cyanide, TCL pesticides, polychlorinated biphenyls (PCBs), per- and polyfluoroalkyl substances (PFAS), and 1,4-dioxane analyses in accordance with the approved RIWP:
  - RI-SB-06_0-2
  - RI-SB-06_10-12
  - RI-SB-06_20-22
  - RI-SB-07_20-22
  - RI-SB-07_23-25
  - RI-SB-09_20-22
- The following soil vapor samples were collected for TO-15 analyses in accordance with the approved RIWP:
  - RI-SV-04_20260213
  - RI-SV-09_20260213
- Samples were placed on ice in a cooler and shipped under chain of custody via courier to Pace Analytical Laboratories, Inc. in Westborough, Massachusetts for analyses in accordance with the approved RIWP.

DAILY FIELD REPORT

CAMP Activities:

- Air monitoring was performed at two locations (one upwind and one downwind location) during ground-intrusive activities (between 6:30 am and 2:30 pm). No 15-minute average concentrations of VOCs or particulate 15-minute average concentration of matter smaller than 10 microns in diameter (PM10) exceeded the action levels.
- No visible dust or odors were observed migrating off-Site.

Activities Planned for Coming Week:

- Haley & Aldrich of New York and Coastal will continue implementation of the Remedial Investigation, including the installation of soil borings, groundwater monitoring wells, and soil vapor points.

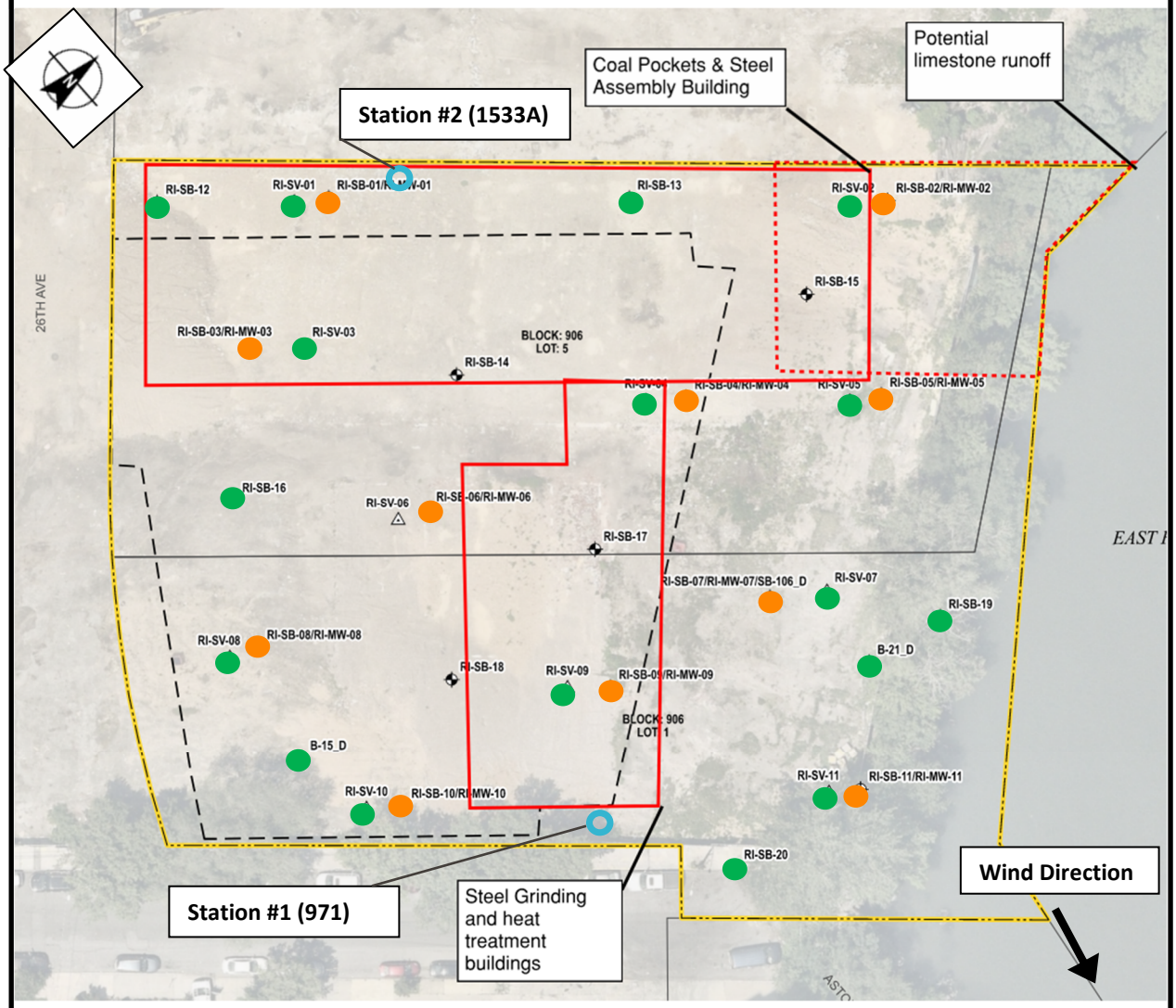
Site Photographs:

Photo 1: View of contractor installing soil boring/monitoring well RI-SB-07/RI-MW-07, facing north.

Photo 2: View of contractor installing soil boring/monitoring well RI-SB-06/RI-MW-06, facing northwest.

DAILY FIELD REPORT

Site Plan:



LEGEND:

- CAMP Station
- In Progress
- Complete

Astoria Cove Buildings 3A & 3B
8-01 and 8-51 26th Ave Astoria, NY 11102

Air Monitoring Log

Date : 2026-02-13

Personnel : C. Jackson, T. Ritchie
Weather : 21-37, Sunny
Humidity : 54%
Wind Direction : Up to 15 mph, NW to SE

Particulate Background (ug/m3) : 3.360
PID Background (ppm) : 0.0

Action Levels : Downwind perimeter of work area above background levels
PID (ppm) : > 5 ppm for the 15-min average
Dust (ug/m3) : > 150 for the 15-min average

Minute of Time	Avg. PM10 (Station1)	Avg. PM10 (Station2)	Avg. VOC(Station1)	Avg. VOC(Station2)	Odors	Notes Activities/Additional Monitoring
06:30	1.587	3.360	0.0	0.0		
06:45	1.985	2.835	0.0	0.0		
07:00	1.817	2.813	0.0	0.0		
07:15	1.990	2.671	0.0	0.0		
07:30	2.120	2.213	0.0	0.0		
07:45	1.966	2.003	0.0	0.0		
08:00	1.549	1.942	0.0	0.0		
08:15	2.103	1.413	0.0	0.0		
08:30	2.023	1.583	0.0	0.0		
08:45	1.695	1.415	0.0	0.0		
09:00	1.625	1.548	0.0	0.0		
09:15	1.515	1.350	0.0	0.0		
09:30	1.543	1.426	0.0	0.0		
09:45	1.675	1.393	0.0	0.0		
10:00	2.021	1.449	0.0	0.0		
10:15	2.004	2.941	0.0	0.0		
10:30	2.230	4.478	0.0	0.0		
10:45	4.636	19.963	0.0	0.0		

Astoria Cove Buildings 3A & 3B
8-01 and 8-51 26th Ave Astoria, NY 11102

Air Monitoring Log

Minute of Time	Avg. PM10 (Station1)	Avg. PM10 (Station2)	Avg. VOC(Station1)	Avg. VOC(Station2)	Odors	Notes Activities/Additional Monitoring
11:00	3.791	19.632	0.0	0.0		
11:15	2.444	12.315	0.0	0.0		
11:30	1.214	5.095	0.0	0.0		
11:45	2.202	9.117	0.0	0.0		
12:00	1.745	10.841	0.0	0.0		
12:15	3.329	18.733	0.0	0.0		
12:30	2.225	12.254	0.0	0.0		
12:45	3.601	17.067	0.0	0.0		
13:00	3.746	16.550	0.0	0.0		
13:15	1.256	7.609	0.0	0.0		
13:30	2.323	5.278	0.0	0.0		
13:45	1.764	3.639	0.0	0.0		
14:00	2.148	7.842	0.0	0.0		
14:15	3.479	9.451	0.0	0.0		
14:30	2.930	9.690	0.0	0.0		

H&A-Astoria Buildings 3A &3B

Site Name	Station Name	Serial Number	DateStart	DateEnd
H&A-Astoria Buildings 3A & 3B	Station1	AQS1 02052019-971	2/13/2026 6:42:00 AM	2/13/2026 2:30:00 PM
	Station2	DS 17022021-1533A	2/13/2026 6:41:00 AM	2/13/2026 2:32:00 PM

DAILY FIELD REPORT

Project	Former Tilsdale Lumber and Coal Redevelopment Site	**Report No.**	7
BCP Site	BCP Site No. C241295	**Date**	02/16/2026
Location	8-01 and 8-51 26th Avenue, Queens, NY	**File No.**	0212609
Client	KS Astoria Holdings LLC	**Temperature**	29-39°F
Contractor	Coastal Environmental Solutions, Inc. (Coastal)	**Wind Direction**	NE to SW, up to 21 mph
Weather	Cloudy	**Personnel on Site**	C. Jackson, T. Ritchie
Humidity	68%	**Time on Site**	6:30-16:00

H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) was present to document implementation of the NYSDEC-approved January 2026 Remedial Investigation Work Plan (RIWP) prepared by Haley & Aldrich of New York. Site observations are summarized below.

Daily Observations:

- 4 soil borings (RI-SB-14, RI-SB-15, RI-SB-17, and RI-SB-18) were advanced to a depth of approximately 35 feet below ground surface (ft bgs).
- 3 permanent groundwater monitoring wells (RI-MW-02, RI-MW-05, and RI-MW-11) were installed to a depth of approximately 20 ft bgs.
- Coastal completed development of two permanent groundwater monitoring wells (RI-MW-02 and RI-MW-05).
- Haley & Aldrich of New York collected soil and soil vapor samples and associated quality assurance and quality control (QA/QC) samples.

Samples Collected:

- The following soil samples were collected for Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), Target Analyte List (TAL) metals, plus total and hexavalent chromium, and total cyanide, TCL pesticides, polychlorinated biphenyls (PCBs), per- and polyfluoroalkyl substances (PFAS), and 1,4-dioxane analyses in accordance with the approved RIWP:
  - RI-SB-14_0-2
  - RI-SB-14_10-12
  - RI-SB-14_20-22
  - RI-SB-15_0-2
  - RI-SB-15_10-12
  - RI-SB-15_20-22
  - RI-SB-17_0-2
  - RI-SB-17_10-12
  - RI-SB-17_20-22
  - RI-SB-18_0-2
  - RI-SB-18_14-16
  - RI-SB-18_20-22

- The following soil vapor sample was collected for TO-15 analyses in accordance with the approved RIWP:
  - RI-SV-06_20260216
- Samples were placed on ice in a cooler and shipped under chain of custody via courier to Pace Analytical Laboratories, Inc. in Westborough, Massachusetts for analyses in accordance with the approved RIWP.

CAMP Activities:

- Air monitoring was performed at two locations (one upwind and one downwind location) during ground-intrusive activities (between 6:45 am and 2:30 pm). No 15-minute average concentrations of VOCs or particulate 15-minute average concentration of matter smaller than 10 microns in diameter (PM10) exceeded the action levels.
- No visible dust or odors were observed migrating off-Site.

Activities Planned for Coming Week:

- Haley & Aldrich of New York will continue implementation of the Remedial Investigation, including the development and sampling of groundwater monitoring wells.

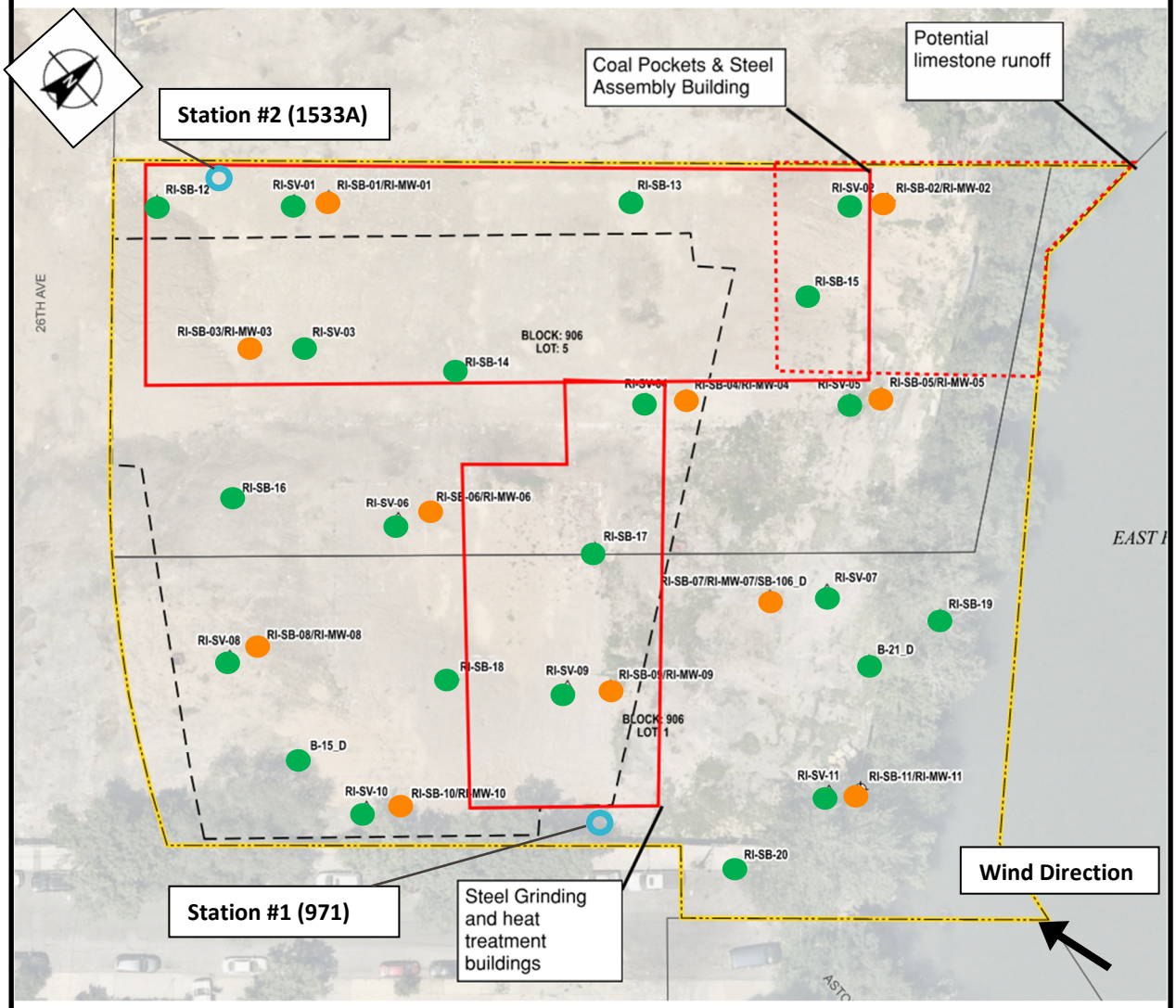
Site Photographs:

Photo 1: View of contractor installing soil boring RI-SB-18, facing northeast.

Photo 2: View of contractor installing monitoring well RI-MW-02, facing north.

DAILY FIELD REPORT

Site Plan:



LEGEND:

- CAMP Station
- In Progress
- Complete

Astoria Cove Buildings 3A & 3B
8-01 and 8-51 26th Ave Astoria, NY 11102

Air Monitoring Log

Date : 2026-02-16

Personnel : C. Jackson
Weather : 29-39, Cloudy
Humidity : 68%
Wind Direction : Up to 21 mph, NE to SE

Particulate Background (ug/m3) : 5.291
PID Background (ppm) : 0.0

Action Levels : Downwind perimeter of work area above background levels
PID (ppm) : > 5 ppm for the 15-min average
Dust (ug/m3) : > 150 for the 15-min average

Minute of Time	Avg. PM10 (Station1)	Avg. PM10 (Station2)	Avg. VOC(Station1)	Avg. VOC(Station2)	Odors	Notes Activities/Additional Monitoring
06:45	3.800	5.291	0.0	0.0		
07:00	1.113	5.153	0.0	0.0		
07:15	0.229	4.063	0.0	0.0		
07:30	0.024	4.338	0.0	0.0		
07:45	0.007	3.087	0.0	0.0		
08:00	0.000	2.468	0.0	0.0		
08:15	0.071	2.577	0.0	0.0		
08:30	0.039	2.580	0.0	0.0		
08:45	0.000	1.873	0.0	0.0		
09:00	0.022	1.905	0.0	0.0		
09:15	0.016	1.873	0.0	0.0		
09:30	0.000	1.552	0.0	0.0		
09:45	0.000	1.422	0.0	0.0		
10:00	0.000	1.249	0.0	0.0		
10:15	0.000	2.329	0.0	0.0		
10:30	0.007	2.236	0.0	0.0		
10:45	0.818	2.796	0.0	0.0		

Astoria Cove Buildings 3A & 3B
8-01 and 8-51 26th Ave Astoria, NY 11102

Air Monitoring Log

Minute of Time	Avg. PM10 (Station1)	Avg. PM10 (Station2)	Avg. VOC(Station1)	Avg. VOC(Station2)	Odors	Notes Activities/Additional Monitoring
11:00	1.528	2.748	0.0	0.0		
11:15	1.895	3.199	0.0	0.0		
11:30	2.176	3.615	0.0	0.0		
11:45	2.297	2.911	0.0	0.0		
12:00	1.816	2.523	0.0	0.0		
12:15	1.337	2.187	0.0	0.0		
12:30	1.130	2.191	0.0	0.0		
12:45	1.154	2.181	0.0	0.0		
13:00	1.641	2.291	0.0	0.0		
13:15	1.272	2.168	0.0	0.0		
13:30	1.074	2.228	0.0	0.0		
13:45	1.319	2.124	0.0	0.0		
14:00	1.323	2.154	0.0	0.0		
14:15	1.007	1.803	0.0	0.0		
14:30	1.031	1.781	0.0	0.0		

H&A-Astoria Buildings 3A &3B

Site Name	Station Name	Serial Number	DateStart	DateEnd
H&A-Astoria Buildings 3A & 3B	Station1	AQS1 02052019-971	2/16/2026 6:50:00 AM	2/16/2026 2:41:00 PM
	Station2	DS 17022021-1533A	2/16/2026 6:48:00 AM	2/16/2026 2:42:00 PM

DAILY FIELD REPORT

Project	Former Tilsdale Lumber and Coal Redevelopment Site	**Report No.**	8
BCP Site	BCP Site No. C241295	**Date**	02/17/2026
Location	8-01 and 8-51 26th Avenue, Queens, NY	**File No.**	0212609
Client	KS Astoria Holdings LLC	**Temperature**	36-47°F
Contractor	N/A	**Wind Direction**	SW to NE, up to 16 mph
Weather	Cloudy	**Personnel on Site**	C. Jackson, T. Ritchie
Humidity	80%	**Time on Site**	6:30-15:45

H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) was present to document implementation of the NYSDEC-approved January 2026 Remedial Investigation Work Plan (RIWP) prepared by Haley & Aldrich of New York. Site observations are summarized below.

Daily Observations:

- Haley & Aldrich of New York completed development of six permanent groundwater monitoring wells (RI-MW-01, RI-MW-04, RI-MW-06, RI-MW-07, RI-MW-09 and RI-MW-11).

Samples Collected:

- None

CAMP Activities:

- None

Activities Planned for Coming Week:

- Haley & Aldrich of New York will continue implementation of the Remedial Investigation, including the surveying and sampling of groundwater monitoring wells.

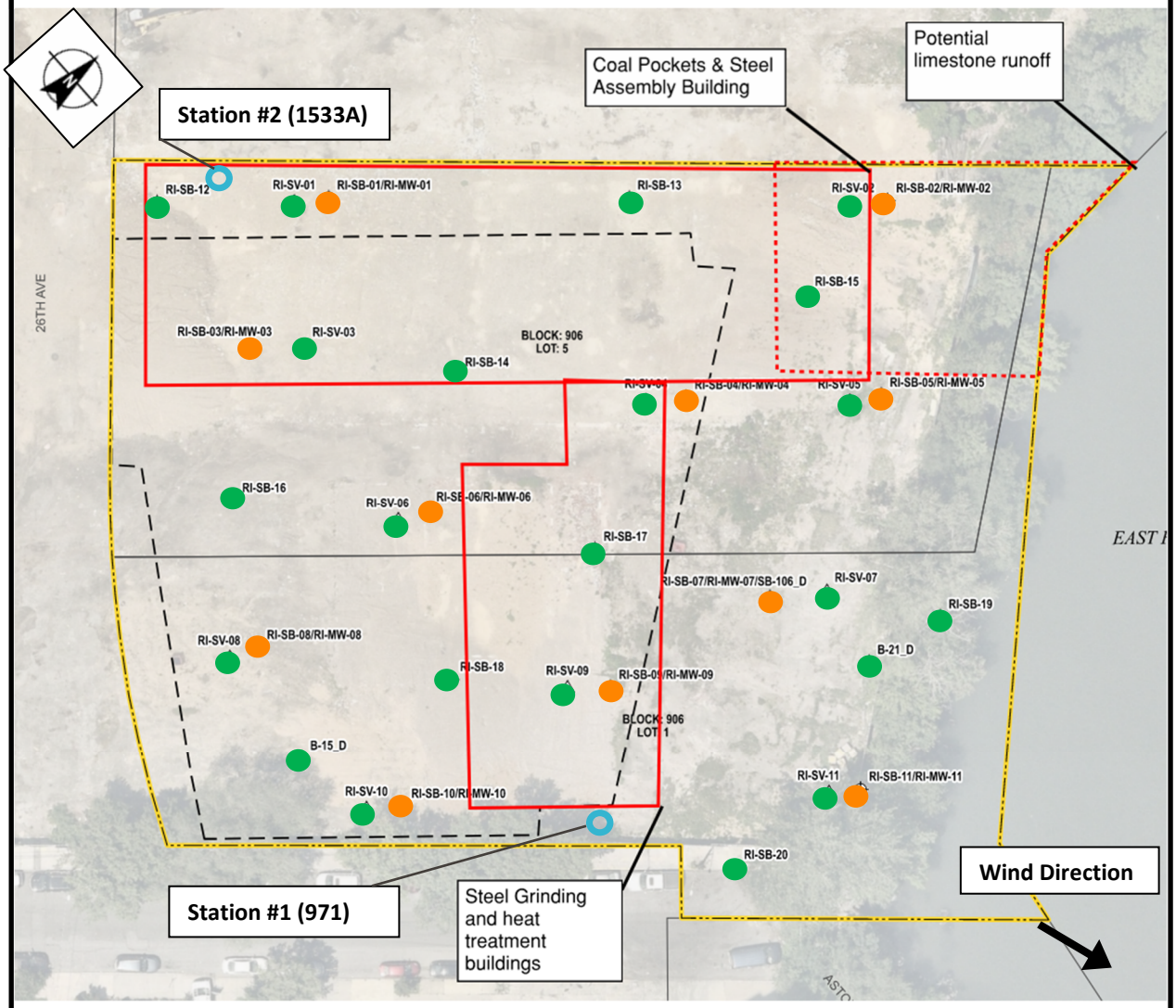
Site Photographs:

Photo 1: View of field personnel developing monitoring well RI-MW-09, facing north.

Photo 2: View of field personnel developing monitoring well RI-MW-01, facing west.

DAILY FIELD REPORT

Site Plan:



LEGEND:

- CAMP Station
- In Progress
- Complete

DAILY FIELD REPORT

Project	Former Tilsdale Lumber and Coal Redevelopment Site	**Report No.**	9
BCP Site	BCP Site No. C241295	**Date**	02/24/2026
Location	8-01 and 8-51 26th Avenue, Queens, NY	**File No.**	0212609
Client	KS Astoria Holdings LLC	**Temperature**	25-31°F
Contractor	N/A	**Wind Direction**	SW to NE, up to 25 mph
Weather	Sunny	**Personnel on Site**	C. Jackson
Humidity	61%	**Time on Site**	7:00-17:00

H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) was present to document implementation of the NYSDEC-approved January 2026 Remedial Investigation Work Plan (RIWP) prepared by Haley & Aldrich of New York. Site observations are summarized below.

Daily Observations:

Haley & Aldrich of New York completed groundwater sampling at RI-MW-08.

Samples Collected:

- The following groundwater sample was collected for Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), total metals, dissolved metals, TCL pesticides, polychlorinated biphenyls (PCBs), per- and polyfluoroalkyl substances (PFAS), and 1,4-dioxane analyses in accordance with the approved RIWP:
  - RI-MW-08_20260224
- Samples were placed on ice in a cooler and shipped under chain of custody via courier to Pace Analytical Laboratories, Inc. in Westborough, Massachusetts for analyses in accordance with the approved RIWP.

CAMP Activities:

- None

Activities Planned for Coming Week:

- Haley & Aldrich of New York will continue implementation of the Remedial Investigation, including the surveying and sampling of groundwater monitoring wells.

Site Photographs:

Photo 1: View of general Site conditions, facing east.

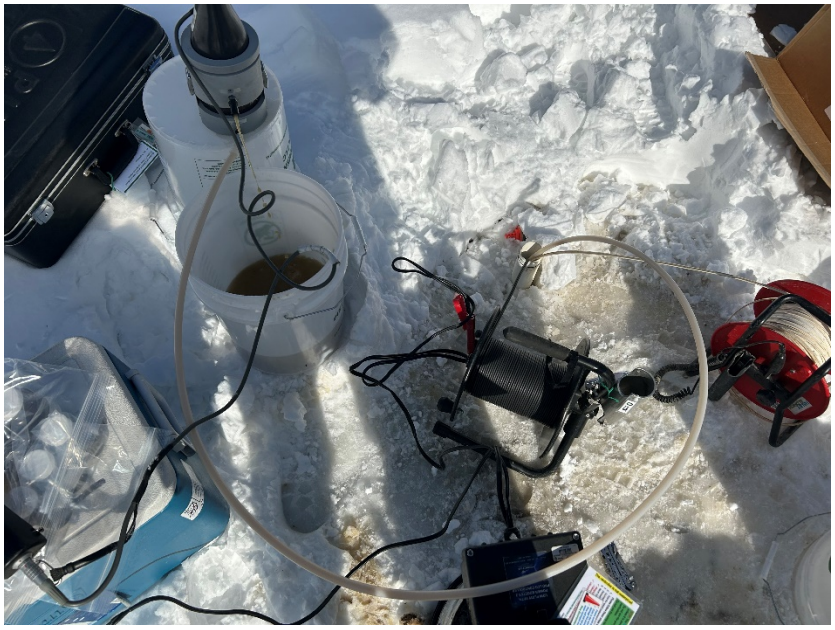
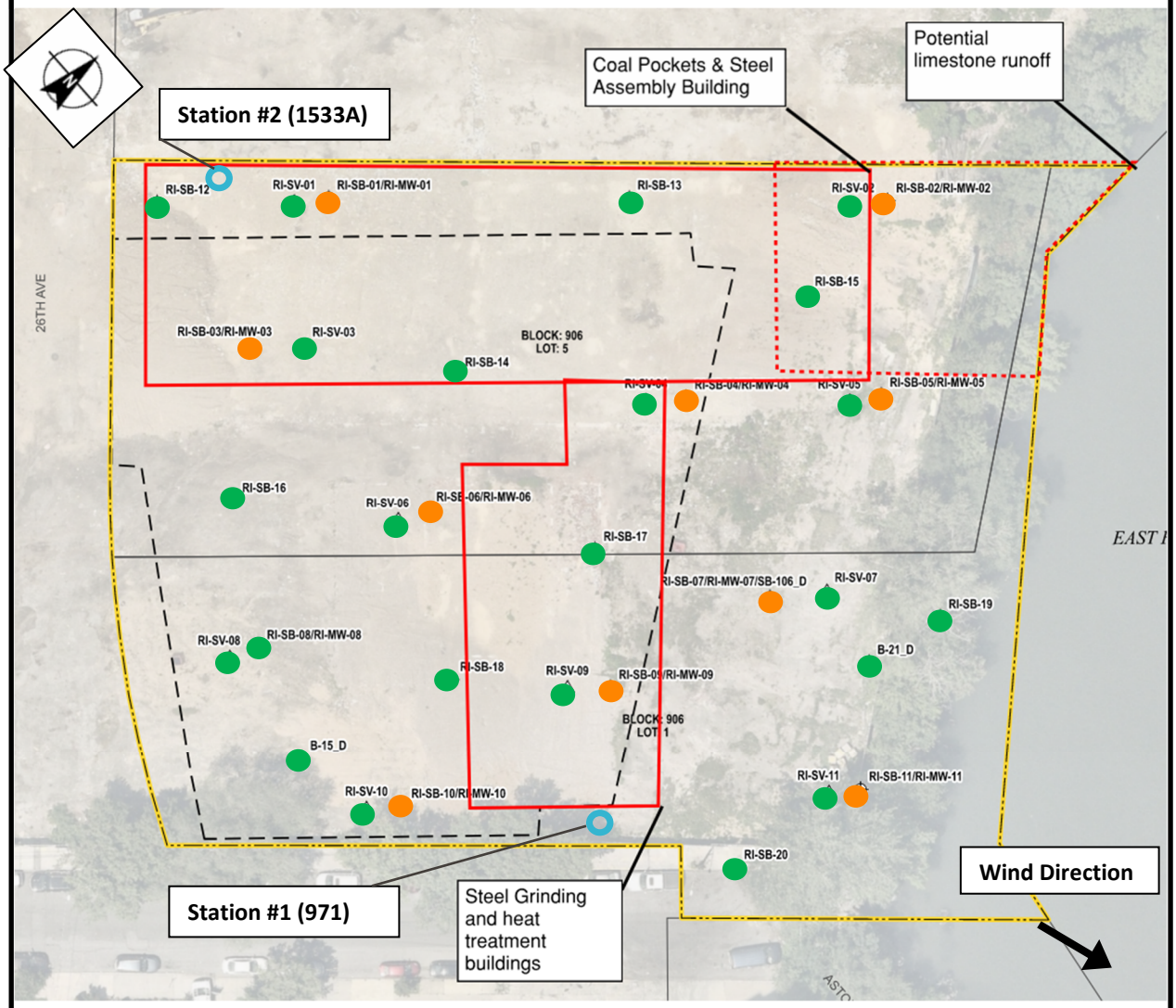


Photo 2: View of groundwater sampling at monitoring well RI-MW-08, facing northeast.

DAILY FIELD REPORT

Site Plan:



LEGEND:

- CAMP Station
- In Progress
- Complete

DAILY FIELD REPORT

Project	Former Tilsdale Lumber and Coal Redevelopment Site	**Report No.**	10
BCP Site	BCP Site No. C241295	**Date**	02/25/2026
Location	8-01 and 8-51 26th Avenue, Queens, NY	**File No.**	0212609
Client	KS Astoria Holdings LLC	**Temperature**	29-40°F
Contractor	N/A	**Wind Direction**	SW to NE, up to 25 mph
Weather	Cloudy	**Personnel on Site**	C. Jackson
Humidity	78%	**Time on Site**	6:30-17:00

H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) was present to document implementation of the NYSDEC-approved January 2026 Remedial Investigation Work Plan (RIWP) prepared by Haley & Aldrich of New York. Site observations are summarized below.

Daily Observations:

Haley & Aldrich of New York completed groundwater sampling at RI-MW-01, RI-MW-03, RI-MW-04, RI-MW-07, and RI-MW-10.

Samples Collected:

- The following groundwater samples were collected for Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), total metals, dissolved metals, TCL pesticides, polychlorinated biphenyls (PCBs), per- and polyfluoroalkyl substances (PFAS), and 1,4-dioxane analyses in accordance with the approved RIWP:
  - RI-MW-01_20260225
  - RI-MW-03_20260225
  - RI-MW-04_20260225
  - RI-MW-07_20260225
  - RI-MW-10_20260225
- Samples were placed on ice in a cooler and shipped under chain of custody via courier to Pace Analytical Laboratories, Inc. in Westborough, Massachusetts for analyses in accordance with the approved RIWP.

CAMP Activities:

- None

Activities Planned for Coming Week:

- Haley & Aldrich of New York will continue implementation of the Remedial Investigation, including the surveying and sampling of groundwater monitoring wells.

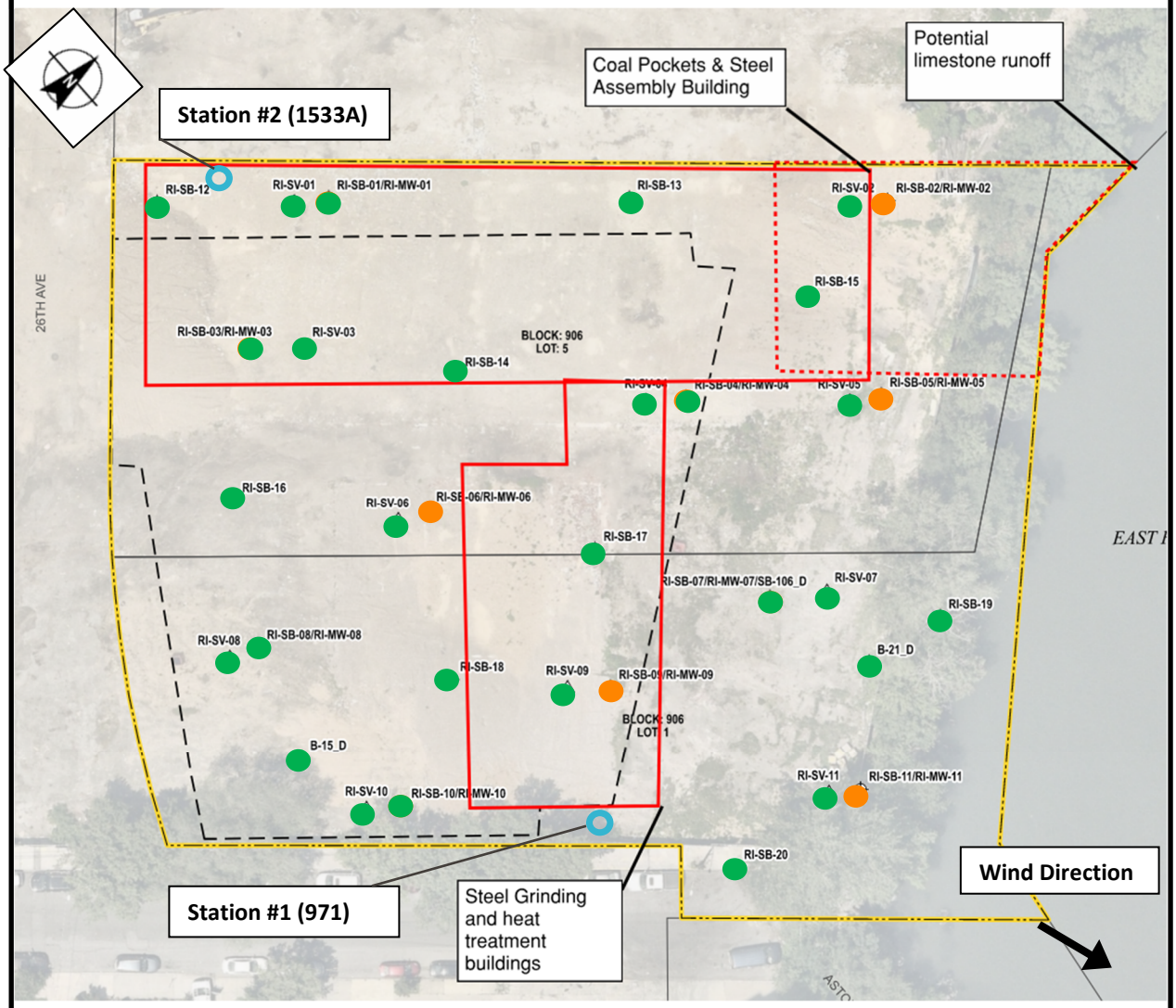
Site Photographs:

Photo 1: View of groundwater sampling at monitoring well RI-MW-01, facing west.

Photo 2: View of groundwater sampling at monitoring well RI-MW-10, facing southeast.

DAILY FIELD REPORT

Site Plan:



LEGEND:

- CAMP Station
- In Progress
- Complete

DAILY FIELD REPORT

Project	Former Tilsdale Lumber and Coal Redevelopment Site	**Report No.**	11
BCP Site	BCP Site No. C241295	**Date**	02/26/2026
Location	8-01 and 8-51 26th Avenue, Queens, NY	**File No.**	0212609
Client	KS Astoria Holdings LLC	**Temperature**	29-45°F
Contractor	N/A	**Wind Direction**	SE to NW, up to 10 mph
Weather	Cloudy	**Personnel on Site**	C. Jackson
Humidity	61%	**Time on Site**	6:00-16:15

H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) was present to document implementation of the NYSDEC-approved January 2026 Remedial Investigation Work Plan (RIWP) prepared by Haley & Aldrich of New York. Site observations are summarized below.

Daily Observations:

Haley & Aldrich of New York completed groundwater sampling at RI-MW-02, RI-MW-05, RI-MW-06, RI-MW-09, and RI-MW-11.

Samples Collected:

- The following groundwater samples were collected for Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), total metals, dissolved metals, TCL pesticides, polychlorinated biphenyls (PCBs), per- and polyfluoroalkyl substances (PFAS), and 1,4-dioxane analyses in accordance with the approved RIWP:
  - RI-MW-02_20260226
  - RI-MW-05_20260226
  - RI-MW-06_20260226
  - RI-MW-09_20260226
  - RI-MW-11_20260226
- Samples were placed on ice in a cooler and shipped under chain of custody via courier to Pace Analytical Laboratories, Inc. in Westborough, Massachusetts for analyses in accordance with the approved RIWP.

CAMP Activities:

- None

Activities Planned for Coming Week:

- Haley & Aldrich of New York will continue implementation of the Remedial Investigation, including the surveying groundwater monitoring wells.

Site Photographs:

Photo 1: View of groundwater sampling at monitoring well RI-MW-02, facing west.

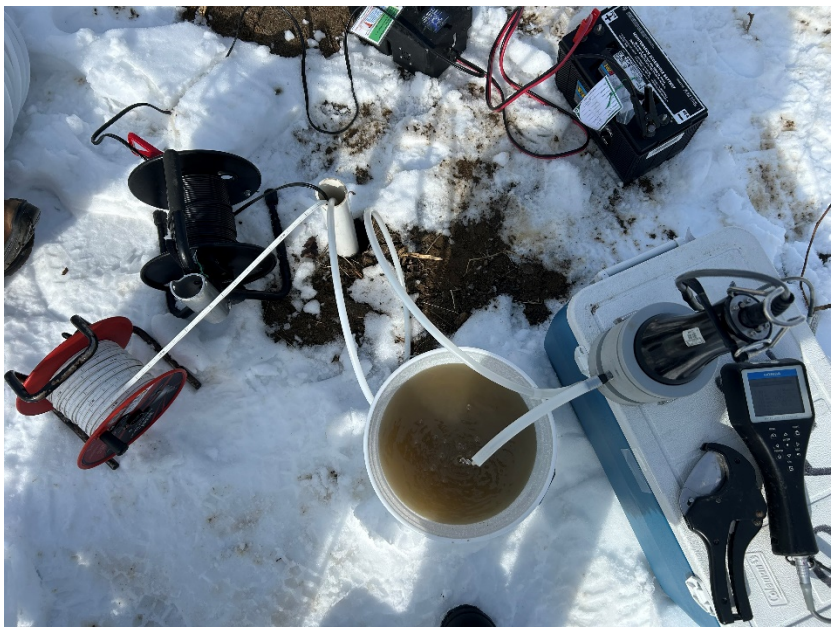
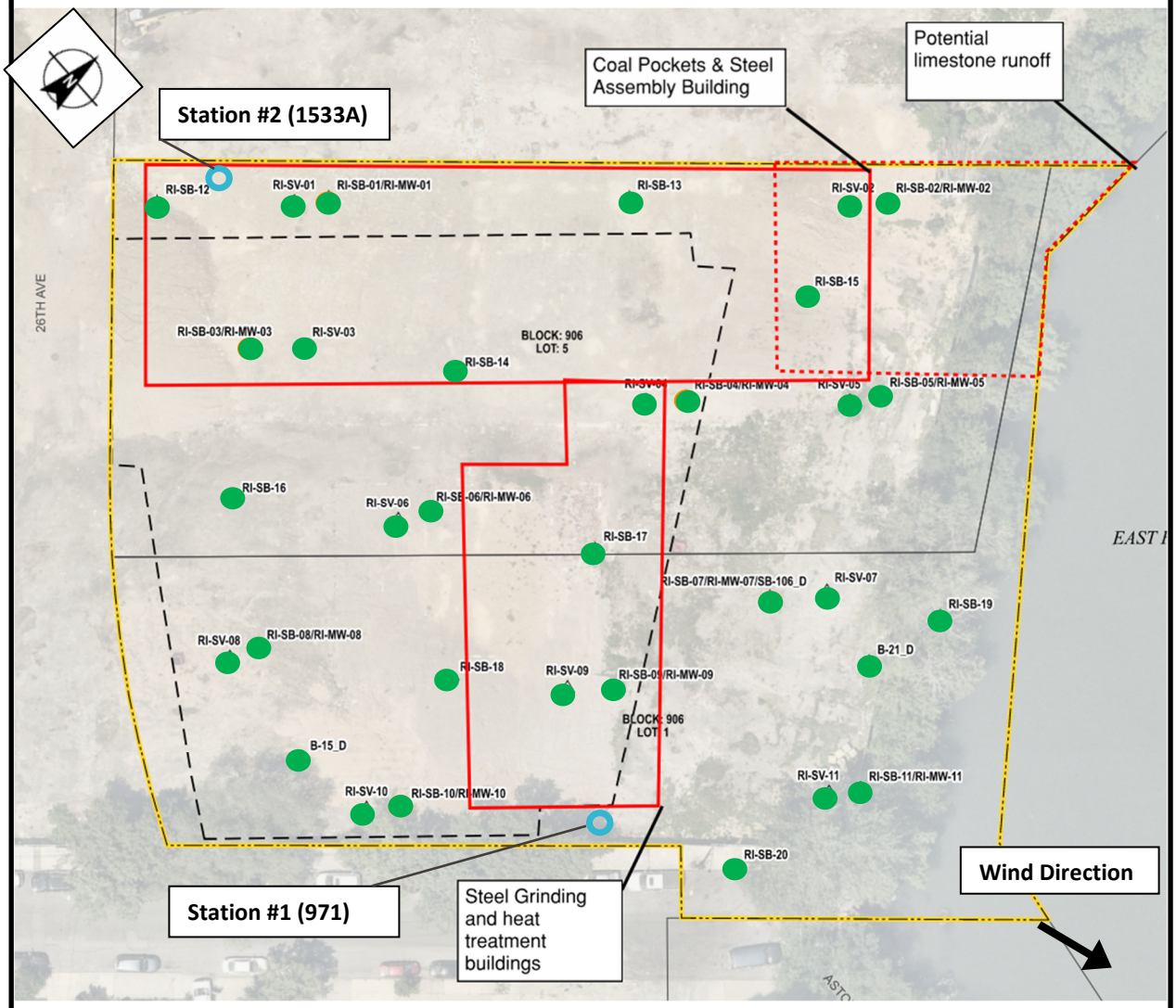


Photo 2: View of groundwater sampling at monitoring well RI-MW-09, facing northwest.

DAILY FIELD REPORT

Site Plan:



LEGEND:

- CAMP Station
- In Progress
- Complete

DAILY FIELD REPORT

Project	Former Tilsdale Lumber and Coal Redevelopment Site	**Report No.**	12
BCP Site	BCP Site No. C241295	**Date**	02/27/2026
Location	8-01 and 8-51 26th Avenue, Queens, NY	**File No.**	0212609
Client	KS Astoria Holdings LLC	**Temperature**	24-40°F
Contractor	DPK Consulting LLC (DPK)	**Wind Direction**	NE to SW, up to 10 mph
Weather	Sunny	**Personnel on Site**	C. Jackson
Humidity	67%	**Time on Site**	6:30-13:30

H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) was present to document implementation of the NYSDEC-approved January 2026 Remedial Investigation Work Plan (RIWP) prepared by Haley & Aldrich of New York. Site observations are summarized below.

Daily Observations:

- Haley & Aldrich of New York completed site-wide gauging of monitoring wells.
- DPK completed a survey of monitoring wells RI-MW-01, RI-MW-02, RI-MW-03, RI-MW-04, RI-MW-05, RI-MW-06, RI-MW-07, RI-MW-08, RI-MW-09, RI-MW-10, and RI-MW-11.
- DPK completed a survey of soil borings RI-SB-12, RI-SB-13, RI-SB-14, RI-SB-15, RI-SB-16, RI-SB-17, RI-SB-18, RI-SB-19, RI-SB-20, SB-106_D, B-15_D, and B-21_B.

Samples Collected:

- None

CAMP Activities:

- None

Activities Planned for Coming Week:

- Haley & Aldrich of New York will begin preparation of a draft Remedial Investigation Report (RIR)

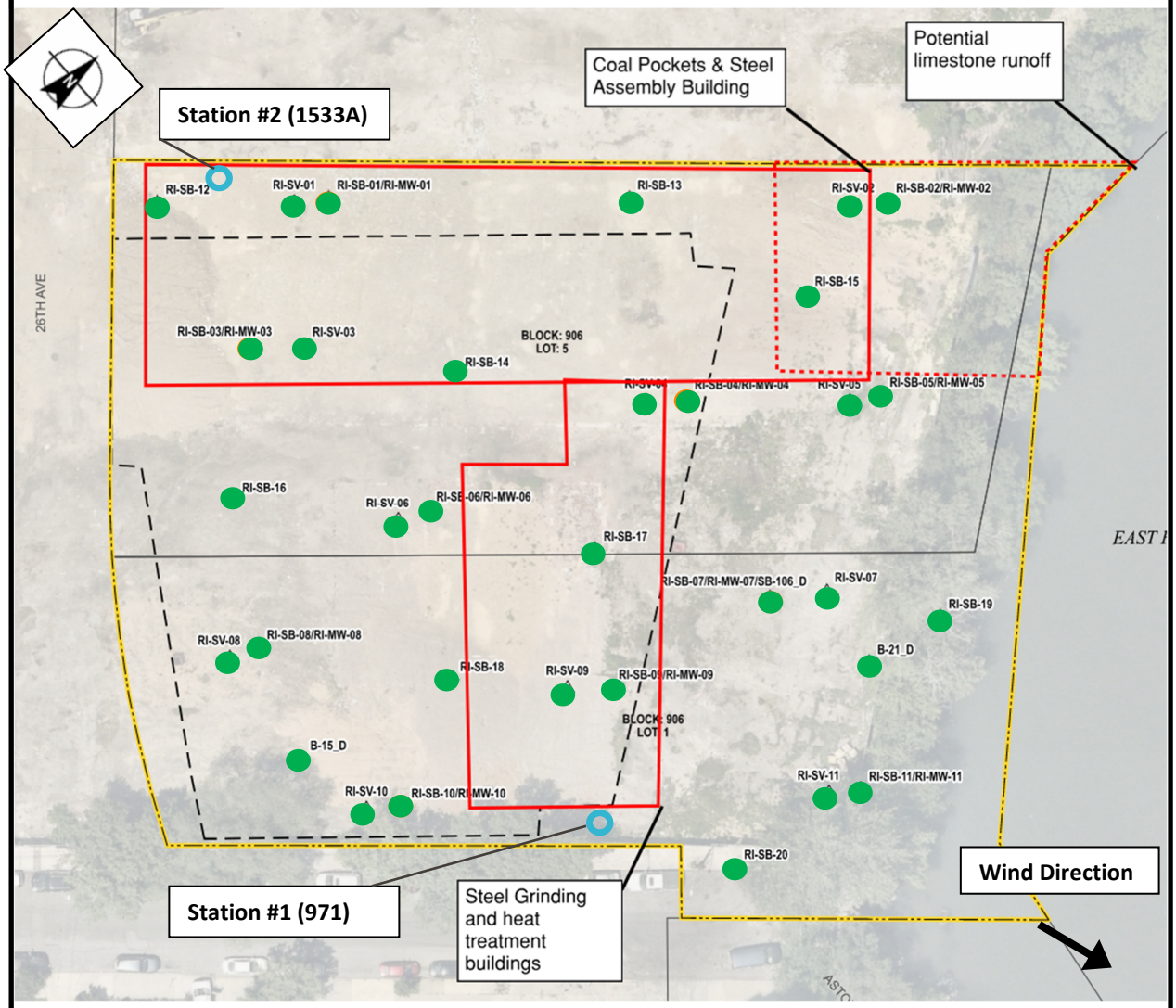
Site Photographs:

Photo 1: View of contractor surveying soil boring RI-SB-16, facing west.

Photo 2: View of contractor surveying monitoring well RI-MW-05, facing southeast.

DAILY FIELD REPORT

Site Plan:



LEGEND:

- CAMP Station
- In Progress
- Complete

DAILY FIELD REPORT

Project	Former Tilsdale Lumber and Coal Redevelopment Site	**Report No.**	13
BCP Site	BCP Site No. C241295	**Date**	03/16/2026
Location	8-01 and 8-51 26th Avenue, Queens, NY	**File No.**	0212609
Client	KS Astoria Holdings LLC	**Temperature**	52-60°F
Contractor	Coastal Environmental Solutions, Inc. (Coastal)	**Wind Direction**	S to N, up to 52 mph
Weather	Cloudy/Light Rain	**Personnel on Site**	C. Jackson
Humidity	92%	**Time on Site**	6:30-17:30

H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) was present to document implementation of the NYSDEC-approved January 2026 Remedial Investigation Work Plan (RIWP) prepared by Haley & Aldrich of New York. Site observations are summarized below.

Daily Observations:

- 6 soil borings (RI-SB-07, RI-SB-09, RI-SB-13, RI-SB-14, RI-SB-15, and RI-SB-17) were advanced to a depth of approximately 30 feet below ground surface (ft bgs).
- 9 soil borings (B-23, DB-01A, DB-01B, DB-02, DB-02A, DB-02B, SB-103, DB-03A, and DB-03B) were advanced to a depth of approximately 10 feet below ground surface (ft bgs).
- Haley & Aldrich of New York collected soil samples and associated quality assurance and quality control (QA/QC) samples.

Samples Collected:

- The following soil samples were collected for Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), Target Analyte List (TAL) metals, plus total and hexavalent chromium, and total cyanide, TCL pesticides, polychlorinated biphenyls (PCBs), per- and polyfluoroalkyl substances (PFAS), and 1,4-dioxane analyses in accordance with the approved RIWP:
  - RI-SB-07_25-27
  - RI-SB-09_22-24
  - RI-SB-13_22-24
  - RI-SB-14_22-24
  - RI-SB-15_22-24
  - RI-SB-17_22-24
- The following soil samples were collected for TCL chlorinated volatile organic compounds (CVOCs):
  - B-23_0-2_RS
  - B-23_3-5_RS
  - B-23_7-9_RS
  - DB-02_0-2
  - DB-02_3-5
  - DB-02_7-9
  - SB-103_0-2_RS
  - SB-103_3-5_RS

  - SB-103_7-9_RS
- Samples were placed on ice in a cooler and shipped under chain of custody via courier to Pace Analytical Laboratories, Inc. in Westborough, Massachusetts for analyses in accordance with the approved RIWP.

CAMP Activities:

- Haley & Aldrich of New York continually monitored the breathing air in the vicinity of the immediate work area using a PID to measure total VOCs in the air and monitored the work zone for visible dust generation.
- No visible dust or odors were observed migrating off-Site.

Activities Planned for Coming Week:

- Haley & Aldrich of New York will begin preparation of a draft Remedial Investigation Report (RIR)

Site Photographs:

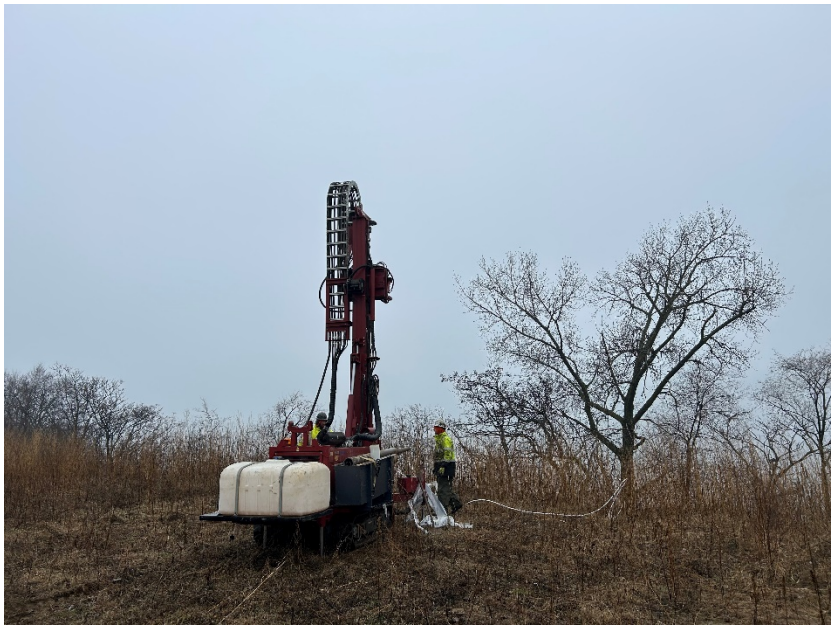
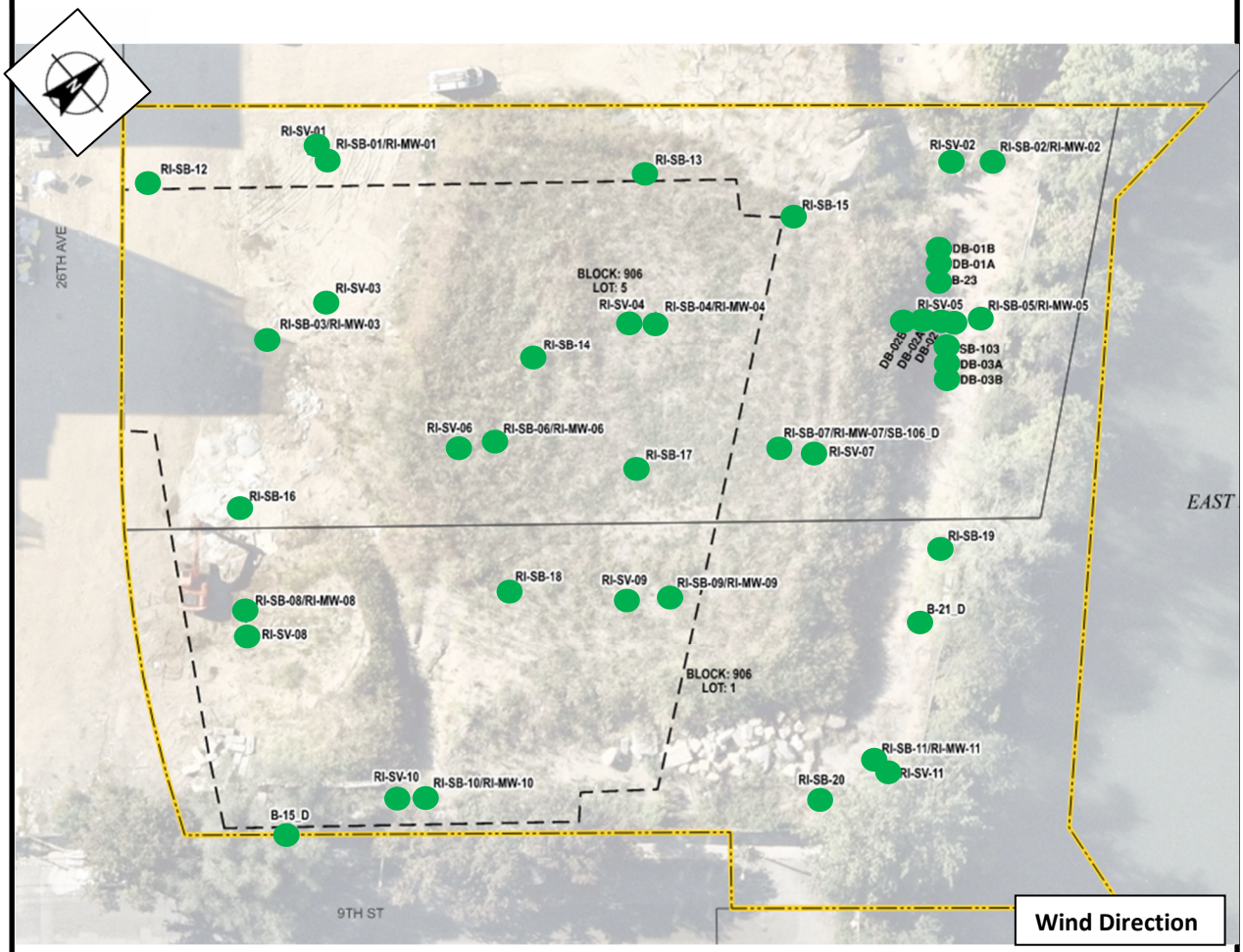


Photo 1: View of contractor installing soil boring RI-SB-07, facing north.

Photo 2: View of contractor soil boring DB-01B, facing southwest.

DAILY FIELD REPORT

Site Plan:



LEGEND:

- In Progress
- Complete

APPENDIX K
Green and Sustainable Remediation and Climate Screening Checklist

H & A OF NEW YORK ENGINEERING
AND GEOLOGY, LLP
213 W. 35th Street
7th Floor
New York, NY 10001
646.277.5685

June 22, 2026
File No. 0212609

New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

Attention: Ms. Rebecca Kerrigan

Subject: Green Site Remediation
Former Tilsdale Lumber and Coal Redevelopment Site
NYSDEC Site No. C241295
8-01 and 8-51 26th Avenue
Queens, New York

H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) presents the following environmental footprint analysis[1] in accordance with U.S. Environmental Protection Agency (EPA) 542-R-12-002 for the Remedial Investigation (RI) associated with the Former Tilsdale Lumber and Coal Redevelopment Site at 8-01 and 8-51 26th Avenue, Queens, New York (Site). The estimated footprint of the RI includes the investigation of soil, groundwater, and soil vapor quality on the Site in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved Remedial Investigation Work Plan (RIWP) dated January 2026.

FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE – TOTALS

The estimated totals for all components of the RI are:

- 174.23 Metric Million British Thermal Units (MMBtus) of energy used;
- 12.69 tons of total greenhouse gas emissions (CO2e [includes consideration of carbon dioxide, methane, and nitrous oxide emissions]);
- 534.41 pounds (lbs) of nitrogen oxides (NOx) + sulfur oxides (SOx) + particulate matter (PM) emissions; and,
- 32.09 lbs of hazardous air pollutant (HAP) emissions.

Energy

- 48.08 MMBtus used for on-Site activities, such as drilling.
- 0.07 MMBtus used for grid electricity generation.

[1] *Spreadsheets for Environmental Footprint Analysis (SEFA) Version 3.0, November 2019.*

- 57.09 MMBtus used for transportation of personnel and materials.
- 68.99 MMBtus used for off-Site activities.

Greenhouse Gas Emissions (CO2e)

- 3.48 tons of CO2e were produced from on-Site activities, such as drilling.
- 0.01 tons of CO2e were produced from grid electricity generation.
- 4.16 tons of CO2e were produced from the transportation of personnel and materials.
- 3.86 tons of CO2e were produced from off-Site activities.

Electricity generation was the smallest scope within the footprint and included the use of 0.07 MMBtus of energy and the generation of 0.01 tons of CO2e. The majority of the energy usage and CO2e generation of the Site Investigation was from on-Site activities. On-Site energy use comprised 60.40 percent of all energy use and on-Site greenhouse gas emissions comprised 66.45 percent of all emissions for the RI.

Sincerely yours,

H & A OF NEW YORK ENGINEERING AND GEOLOGY, LLP

Matthew D. Forshay, P.E.
Senior Technical Specialist

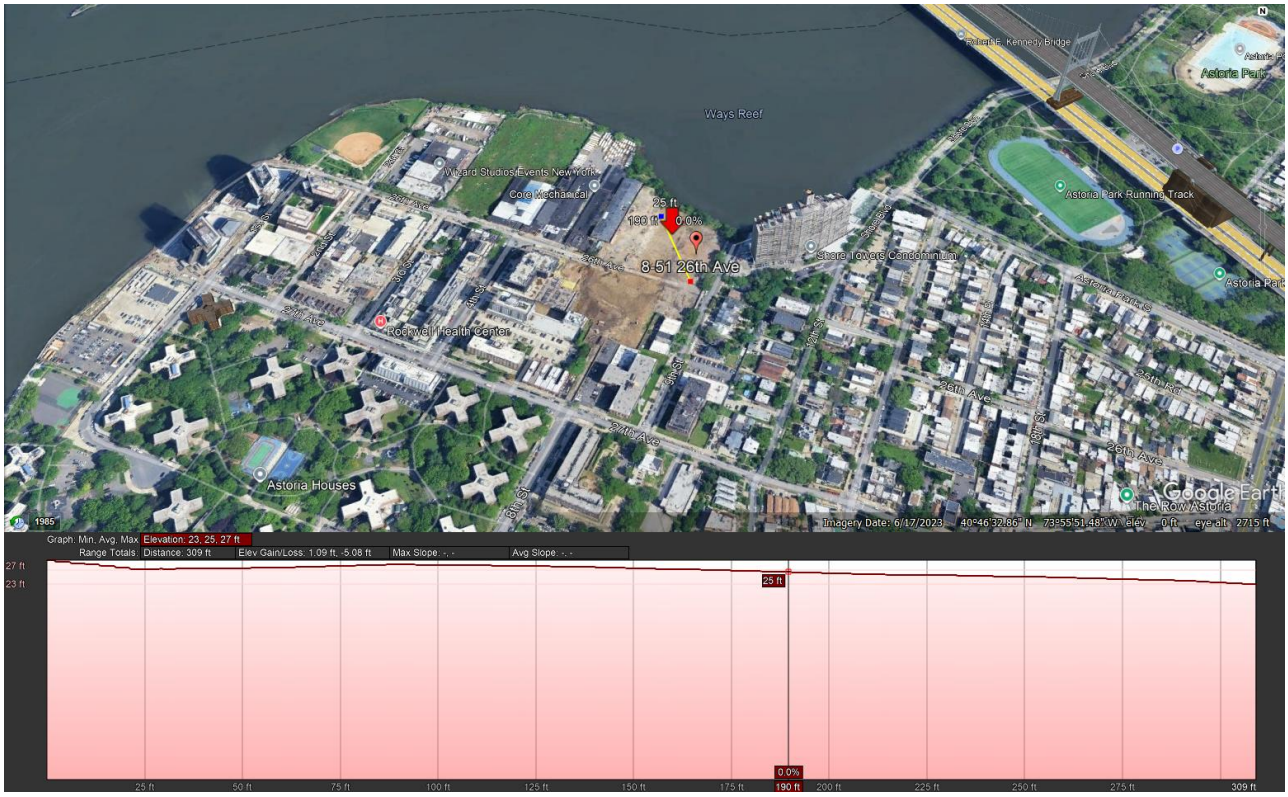
Suzanne M. Bell, P.E.
Senior Associate

\\haleyaldrich.com\share\CF\Projects\0211417\Deliverables\20. Buildings 3A & 3B - RIR\Appendices\L - Environmental Footprint Analysis and Climate Screening Checklist\1. SEFA_Summary_Letter.docx

Climate Screening Checklist

Background Information

- Project Manager: Matthew D. Forshay, P.E.
- Site Name: Former Tilsdale Lumber and Coal Redevelopment Site
- Site Number: C241295
- Site Location: 8-01 and 8-51 26th Avenue, Queens, New York
- Site Elevation (average above sea level): Approximately 25 feet above sea level (Google Earth)

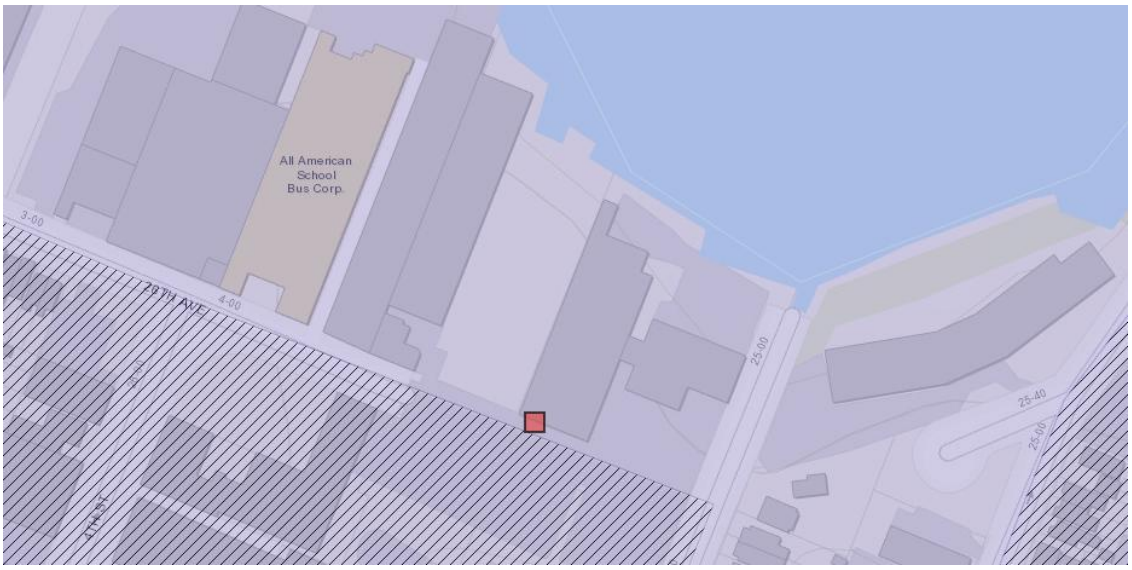


- ClimAID Region (Responding Climate Change in New York State (ClimAID) - NYSERDA): Region 4 – New York City and Long Island

- Remedial Stage/Site Classification: Investigation.
- Contamination - Media Impacted/ Contaminants of Concern:
  - Metals, SVOCs (including PAHs), Pesticides, PCBs and PFAS in soil,
  - SVOCs (including PAHs), total and dissolved metals, and PFAS in groundwater; and
  - VOCs (including CVOCs and BTEX) in soil vapor.
- Proposed/Current Remedy: The proposed remedy will potentially consist of source removal via excavation. Actions may include stockpiling, off-Site transport, and disposal of contaminated historical fill material and contaminated soil below the historic fill interval Site-wide; removal of underground storage tanks (USTs) and/or associated appurtenances, if encountered, and decommissioning and off-Site disposal.
- What is the predicted timeframe of the remedy? Will components of the remedy still be in place in 10+ years? The predicted timeframe is unknown as environmental impacts at the Site are undetermined.
- Is the site in proximity to any sensitive receptors? (e.g., wetlands, waterbodies, residential properties, hospitals, schools, drinking water supplies, etc.) The East River is located immediately to the north of the Site.

Is the site in a disadvantaged community (DAC) or potential environmental justice area (PEJA) (Use DECinfolocator: DECinfo Locator (ny.gov))?

X Yes ☐ No



If the site is in a DAC or PEJA, will climate impacts be magnified? If yes, list how and why.

☐ Yes X No

Should thresholds of concern be lowered to account for magnification of impacts? If yes, indicate how lower thresholds will be used in the screening.

☐ Yes X No

Climate Screening Table*

Potential Climate Hazards	**Relevant to the Site Location** (Y/N/NA)[1]	**Projected Change** (Resilience Analysis and Planning Tool (RAPT)/arcgis.com[3]	**Potential to Impact Remedy** (Y/N)	**Is remedy/site already resilient?** (Y/N)[4]
Precipitation	N	N/A	N/A	N/A
Temperature[2] (Extreme Heat or Cold Weather Impacts)	N	N/A	N/A	N/A
Sea Level Rise	N	N/A	N/A	N/A
Flooding	N	N/A	N/A	N/A
Storm Surge	N	N/A	N/A	N/A
Wildfire	N	N/A	N/A	N/A
Drought	N	N/A	N/A	N/A
Storm Severity	N	N/A	N/A	N/A
Landslides	N	N/A	N/A	N/A
Other Hazards:	N/A	N/A	N/A	N/A

* Links to potential data sources can be found on the following page

[1] If the first column is N --> The rest of the columns will be N/A, the hazard is not applicable to the site.

[2] Extreme Heat: periods of three or more days above 90°F- Extreme Cold: Individual days with minimum temperatures at or below 0 degrees F (NYSERDA ClimAID report)

[3] List the projected change in specific terms or units e.g. inches of rainfall, feet of sea level rise, etc.

[4] If final column is Y, provide reasoning, if the final column is N --> Climate Vulnerability Assessment (CVA) required.

Required Next Steps (If no further action is required, provide justification):

Conduct severe weather storm inspections during the active remedy. Inspect dewatering systems prior to anticipated storm events that could result in a power outage, and after storm events.

Potential Data Sources (not an exhaustive list)- from Superfund Climate Resilience: Vulnerability Assessment | US EPA

NYSERDA ClimAID report- Responding Climate Change in New York State (ClimAID) - NYSERDA

FEMA- National Flood Hazard Layer | FEMA.gov

NOAA- National Storm Surge Risk Maps - Version 3 (noaa.gov)

Department of Agriculture Forest Service Wildfire Risk to Communities

EPA Climate Change Indicators in the United States

EPA Climate Resilience Evaluation & Awareness Tool (CREAT) | U.S. Climate Resilience Toolkit

EPA National Stormwater Calculator

National Integrated Drought Information System U.S. Drought Portal

National Interagency Coordination Center National Interagency Fire Center

National Oceanic and Atmospheric Administration Coastal Services Digital Coast

- Resources to help communities assess coastal hazards, such as the Sea Level Rise Viewer for visualizing community-level impacts of flooding or sea level rise and downloadable LIDAR data

National Oceanic and Atmospheric Administration National Centers for Environmental Information website

National Oceanic and Atmospheric Administration Sea Level Trends

National Weather Service Climate Prediction Center

National Weather Service National Hurricane Center

National Weather Service Sea, Lake, and Overland Surges from Hurricanes (SLOSH)

National Weather Service Storm Surge Hazard Maps

U.S. Federal Government Climate Resilience Toolkit: The Climate Explorer

U.S. Army Corps of Engineers Climate Preparedness and Resilience

U.S. Geological Survey Coastal Change Hazards Portal

U.S. Geological Survey Landslide Hazards Program

U.S. Geological Survey National Ground-water Monitoring Network Data Portal

U.S. Geological Survey National Climate Change Viewer

U.S. Geological Survey National Water Dashboard

U.S. Geological Survey StreamStats

NYS Department of State- Assess | Department of State (ny.gov)

NYSERDA NY Costal Floodplain Mapper- Home Page (ny.gov)

NYSDEC Coastal Erosion Hazards- Coastal Areas Regulated By The CEHA Permit Program - NYDEC

NYSDOH Heat Index- health.ny.gov/environmental/weather/vulnerability_index/county_maps.htm

Environmental Footprint Summary

Core Element	Metric		Unit of Measure	Footprint						
				Remedial Investigation	< Component 2 >	< Component 3 >	< Component 4 >	< Component 5 >	< Component 6 >	Total
Materials & Waste	M&W-1	Refined materials used on-site	Tons	2.2	0.0	0.0	0.0	0.0	0.0	2.2
	M&W-2	% of refined materials from recycled or reused material	%	0.0%						0.0%
	M&W-3	Unrefined materials used on-site	Tons	0.000	0.000	0.000	0.000	0.000	0.000	0.0
	M&W-4	% of unrefined materials from recycled or reused material	%							
	M&W-5	On-site hazardous waste disposed of off-site	Tons	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M&W-6	On-site non-hazardous waste disposed of off-site	Tons	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M&W-7	Recycled or reused waste	Tons	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M&W-8	% of total potential waste recycled or reused	%							
Water (used on-site)	W-1	Public water use	MG	0.002	0.0	0.0	0.0	0.0	0.0	0.0
	W-2	Groundwater use	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-3	Surface water use	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-4	Reclaimed water use	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-5	Storm water use	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-6	User-defined water resource #1	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-7	User-defined water resource #2	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-8	Wastewater generated	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Energy	E-1	Total energy used (on-site and off-site)	MMBtu	174.2	0.0	0.0	0.0	0.0	0.0	174.2
	E-2	Energy voluntarily derived from renewable resources								
	E-2A	On-site renewable energy generation or use + on-site biodiesel use + biodiesel and other renewable resource use for transportation	MMBtu	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	E-2B	Voluntary purchase of renewable electricity	MWh	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	E-3	Voluntary purchase of RECs	MWh	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	E-4	On-site grid electricity use	MWh	0.011	0.000	0.000	0.000	0.000	0.000	0.0
Air	A-1	On-site NOx, SOx, and PM emissions	Pounds	47.3	0.0	0.0	0.0	0.0	0.0	47.3
	A-2	On-site HAP emissions	Pounds	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	A-3	Total NOx, SOx, and PM emissions	Pounds	534.4	0.0	0.0	0.0	0.0	0.0	534.4
	A-3A	Total NOx emissions	Pounds	207.9	0.0	0.0	0.0	0.0	0.0	207.9
	A-3B	Total SOx emissions	Pounds	278.9	0.0	0.0	0.0	0.0	0.0	278.9
	A-3C	Total PM emissions	Pounds	47.6	0.0	0.0	0.0	0.0	0.0	47.6
	A-4	Total HAP emissions	Pounds	32.1	0.0	0.0	0.0	0.0	0.0	32.1
	A-5	Total greenhouse gas emissions	Tons CO2e*	12.7	0.0	0.0	0.0	0.0	0.0	12.7
Land & Ecosystems	Qualitative Description									

** Total greenhouse gases emissions (in CO2e) include consideration of CO2, CH4, and N2O (Nitrous oxide) emissions.*
"MMBtu" = millions of Btus
"MG" = millions of gallons
"CO2e" = carbon dioxide equivalents of global warming potential
"MWh" = megawatt hours (i.e., thousands of kilowatt-hours or millions of Watt-hours)
"Tons" = short tons (2,000 pounds)

The above metrics are consistent with EPA's Methodology for Understanding and Reducing a Project's Environmental Footprint (EPA 542-R-12-002), February 2012

Notes:

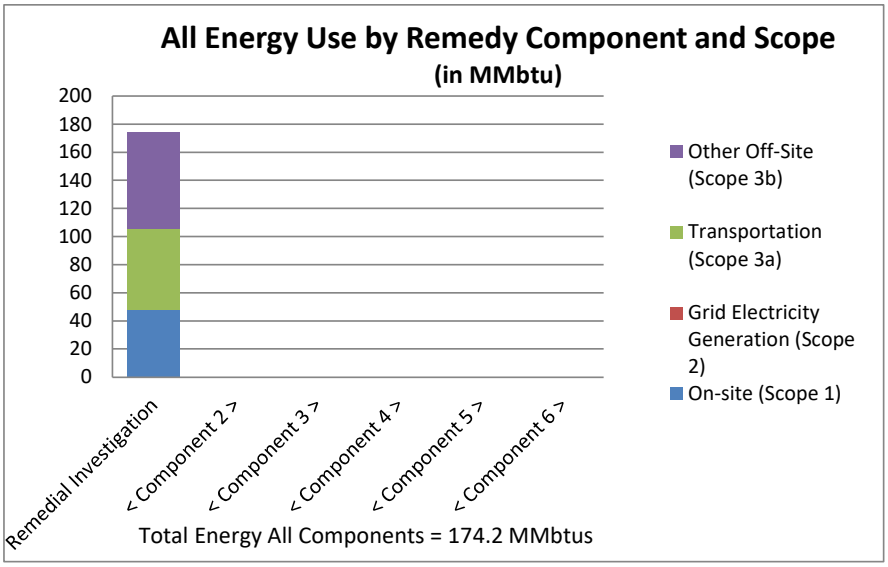
Remedial Investigation - Energy & Air Compiled Results

Category	Total Energy	GHG	NOx	SOx	PM	NOx + SOx + PM	HAPs
	MMbtus	lbs CO2e	lbs	lbs	lbs	lbs	lbs
On-site (Scope 1)	**48**	**7,683**	**43**	**0**	**4**	**47**	**0**
Grid Electricity Generation (Scope 2)	**0.074**	**12**	**0**	**0**	**0**	**0**	**0**
Transportation (Scope 3a)	**57**	**9,175**	**42**	**1**	**1**	**45**	**2**
Other Off-Site (Scope 3b)	**69**	**8,516**	**122**	**278**	**42**	**442**	**31**
Remedy Totals	**174**	**25,385**	**208**	**279**	**48**	**534**	**32**

Values that are forwarded to the "Summary" tab are indicated in orange.

Voluntary Renewable Energy Use	Unit	Quantity	
On-site renewable energy generation or use	MMBtu	**0**	
On-site biodiesel use	MMBtu	**0**	
Biodiesel and other renewable resource use for transportation	MMBtu	**0**	
On-site renewable energy generation or use + on-site biodiesel use + biodiesel and other renewable resource use for transportation	MMBtu	**0**	*(This value is the sum of the three rows above)*
Voluntary purchase of renewable electricity	MWh	**0**	
Voluntary purchase of RECs	MWh	**0**	

This worksheet is not intended for user input. Values on this worksheet are obtained from the following file: SEFA_calculations_(121718).xlsx


All Energy Use by Remedy Component and Scope
(in MMbtu)
200
180
160
140
120
100
80
60
40
20
0
Remedial Investigation
< Component 2 >
< Component 3 >
< Component 4 >
< Component 5 >
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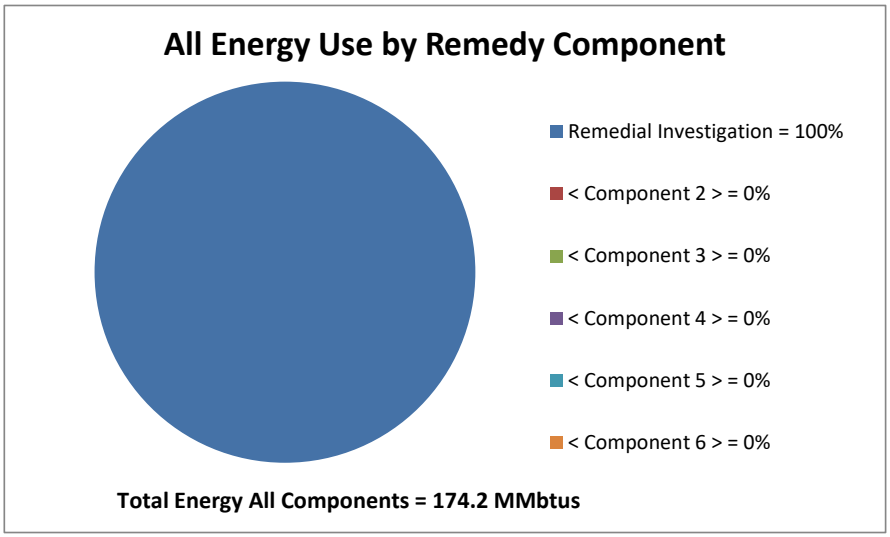
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
Total Energy All Components = 174.2 MMbtus


All Energy Use by Remedy Component
Remedial Investigation = 100%
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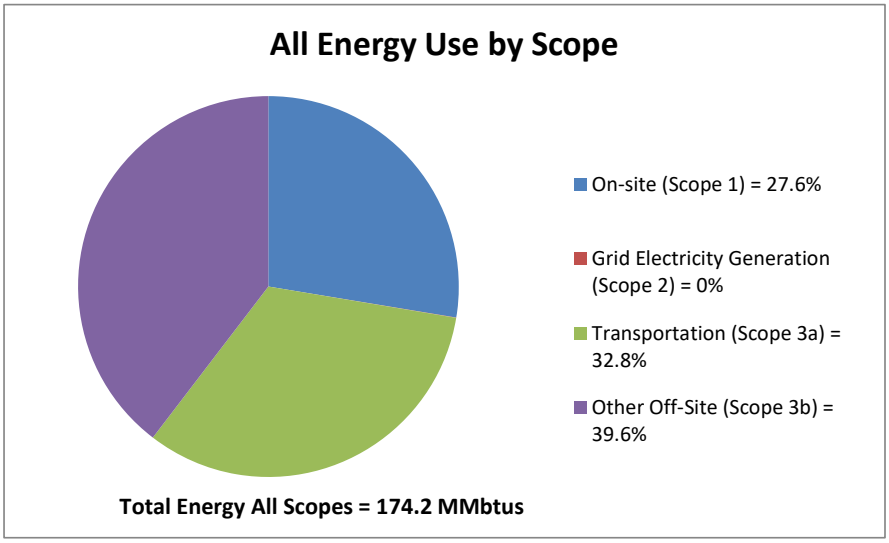
< Component 3 > = 0%
< Component 4 > = 0%
< Component 5 > = 0%
< Component 6 > = 0%
Total Energy All Components = 174.2 MMbtus


All Energy Use by Scope
On-site (Scope 1) = 27.6%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 32.8%
Other Off-Site (Scope 3b) = 39.6%
Total Energy All Scopes = 174.2 MMbtus

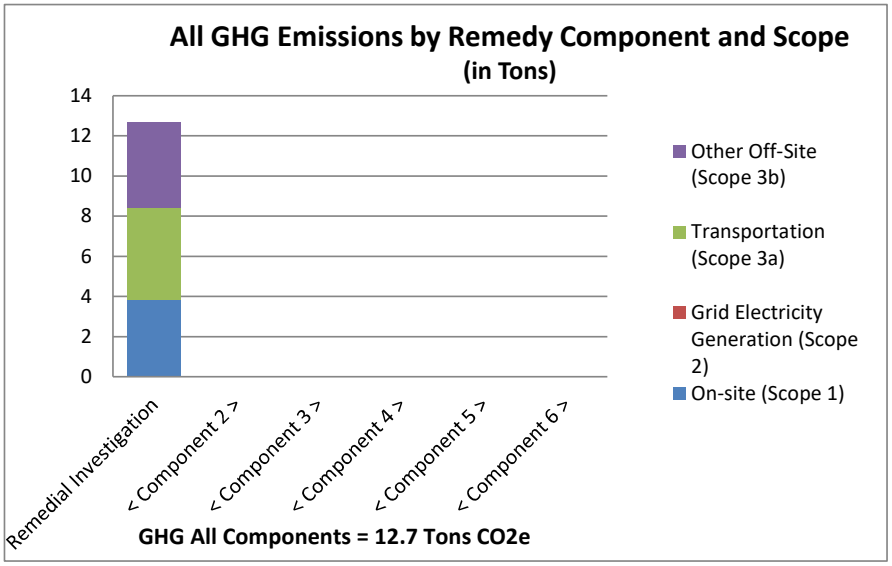
Total Energy
MMbtus

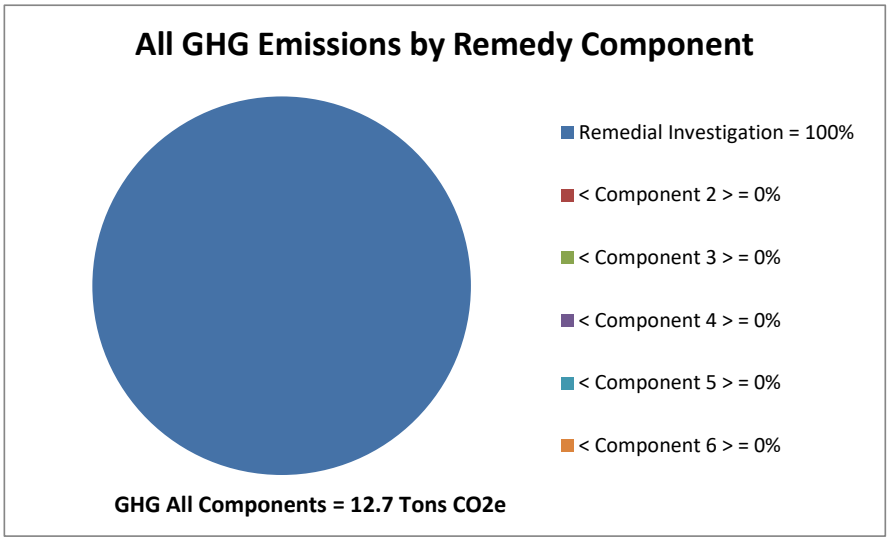
	Remedial In	< Compone	< Compone	< Compone	< Compone	< Compone	Total	
On-site (Scope 1)	48.1	0.0	0.0	0.0	0.0	0.0	48.1	
Generation (Scope 2)	0.1	0.0	0.0	0.0	0.0	0.0	0.1	d Electricity
nsportation (Scope 3a)	57.1	0.0	0.0	0.0	0.0	0.0	57.1	Trar
ner Off-Site (Scope 3b)	69.0	0.0	0.0	0.0	0.0	0.0	69.0	Oth
Total	174.2	0.0	0.0	0.0	0.0	0.0	174.2	

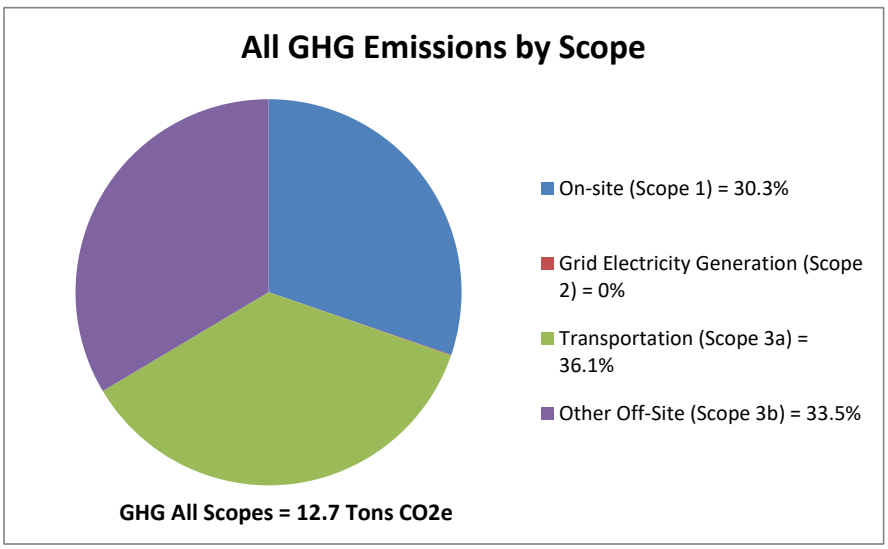
Remedial Investigation = 100%
< Component 2 > = 0%
< Component 3 > = 0%
< Component 4 > = 0%
< Component 5 > = 0%
< Component 6 > = 0%

On-site (Scope 1) = 27.6%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 32.8%
Other Off-Site (Scope 3b) = 39.6%

Total Energy All Components = 174.2 MMbtus
Total Energy All Scopes = 174.2 MMbtus


All GHG Emissions by Remedy Component and Scope
(in Tons)
14
12
10
8
6
4
2
0
Remedial Investigation
< Component 2 >
< Component 3 >
< Component 4 >
< Component 5 >
< Component 6 >
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
GHG All Components = 12.7 Tons CO2e


All GHG Emissions by Remedy Component
Remedial Investigation = 100%
< Component 2 > = 0%
< Component 3 > = 0%
< Component 4 > = 0%
< Component 5 > = 0%
< Component 6 > = 0%
GHG All Components = 12.7 Tons CO2e

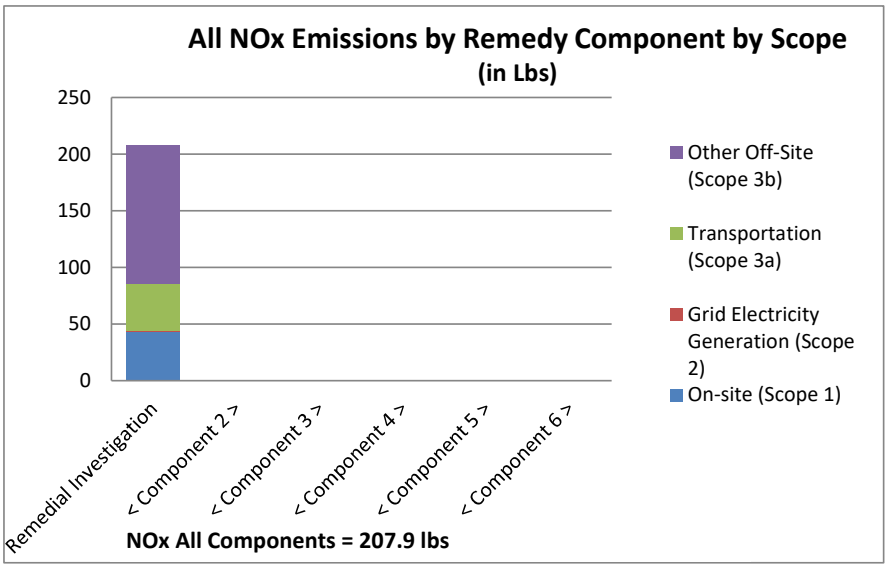

All GHG Emissions by Scope
On-site (Scope 1) = 30.3%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 36.1%
Other Off-Site (Scope 3b) = 33.5%
GHG All Scopes = 12.7 Tons CO2e

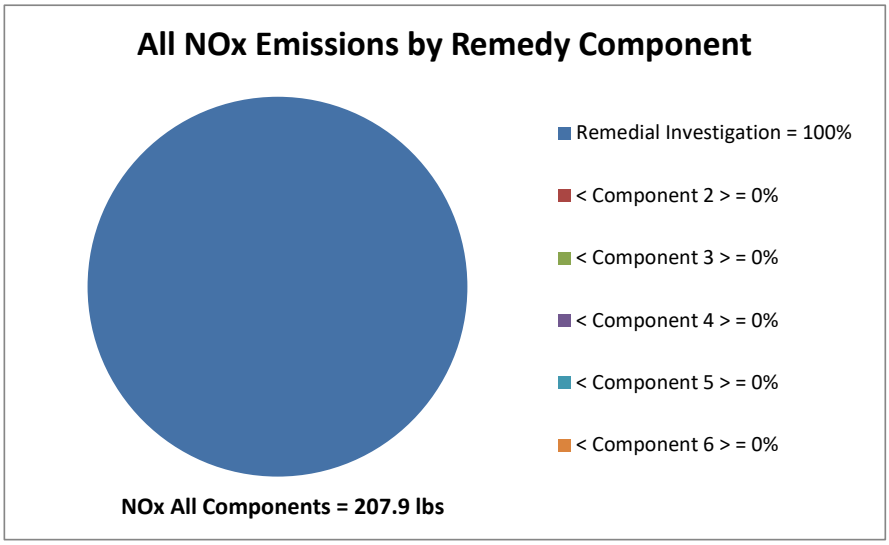
GHG Tons CO2e	Remedial I	< Compon	< Compon	< Compon	< Compon	< Compon	Total	
On-site (Scope 1)	3.8	0.0	0.0	0.0	0.0	0.0	3.8	
Generation (Scope 2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	d Electricity
sportation (Scope 3a)	4.6	0.0	0.0	0.0	0.0	0.0	4.6	Trar
er Off-Site (Scope 3b)	4.3	0.0	0.0	0.0	0.0	0.0	4.3	Oth
Total	12.7	0.0	0.0	0.0	0.0	0.0	12.7	

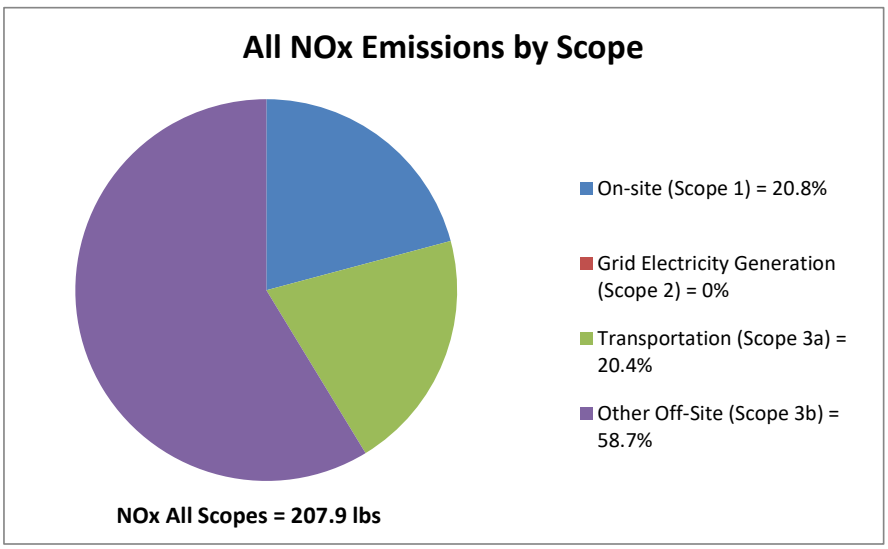
Remedial Investigation = 100%
< Component 2 > = 0%
< Component 3 > = 0%
< Component 4 > = 0%
< Component 5 > = 0%
< Component 6 > = 0%

On-site (Scope 1) = 30.3%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 36.1%
Other Off-Site (Scope 3b) = 33.5%

GHG All Components = 12.7 Tons CO2e
GHG All Scopes = 12.7 Tons CO2e


All NOx Emissions by Remedy Component by Scope
(in Lbs)
250
200
150
100
50
0
Remedial Investigation
< Component 2 >
< Component 3 >
< Component 4 >
< Component 5 >
< Component 6 >
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
NOx All Components = 207.9 lbs


All NOx Emissions by Remedy Component
Remedial Investigation = 100%
< Component 2 > = 0%
< Component 3 > = 0%
< Component 4 > = 0%
< Component 5 > = 0%
< Component 6 > = 0%
NOx All Components = 207.9 lbs


All NOx Emissions by Scope
On-site (Scope 1) = 20.8%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 20.4%
Other Off-Site (Scope 3b) = 58.7%
NOx All Scopes = 207.9 lbs

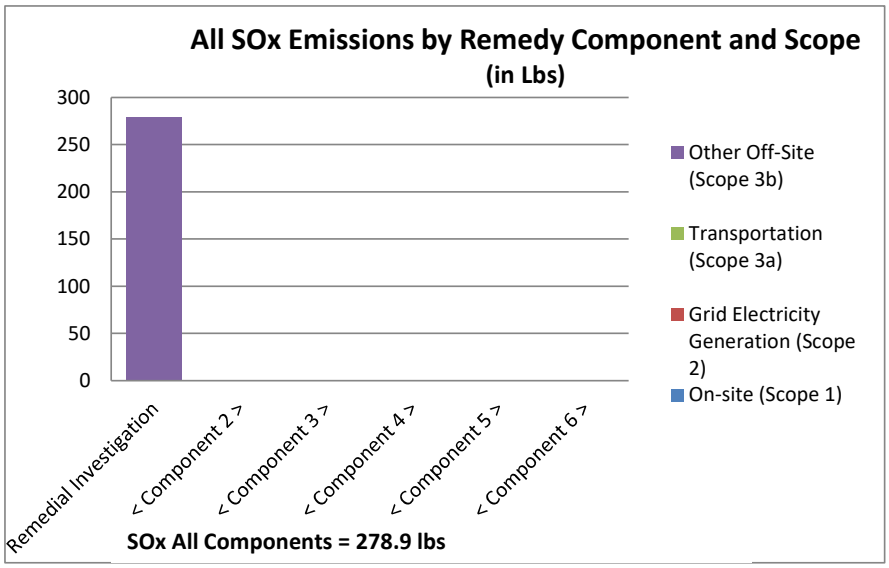
NOx
lbs

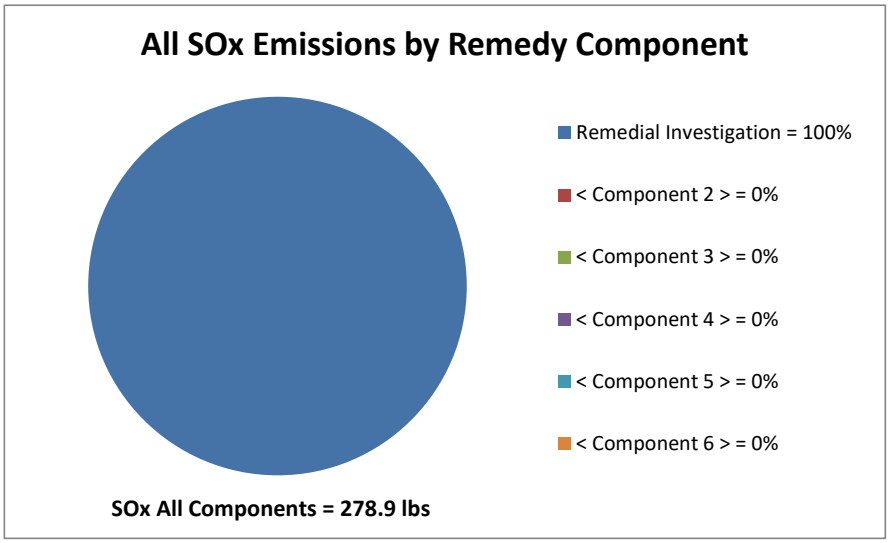
	Remedial I	< Compon	< Compon	< Compon	< Compon	< Compon	Total	
On-site (Scope 1)	43.3	0.0	0.0	0.0	0.0	0.0	43.3	
Generation (Scope 2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	d Electricity
nsportation (Scope 3a)	42.5	0.0	0.0	0.0	0.0	0.0	42.5	Trar
her Off-Site (Scope 3b)	122.0	0.0	0.0	0.0	0.0	0.0	122.0	Oth
Total	207.9	0.0	0.0	0.0	0.0	0.0	207.9	

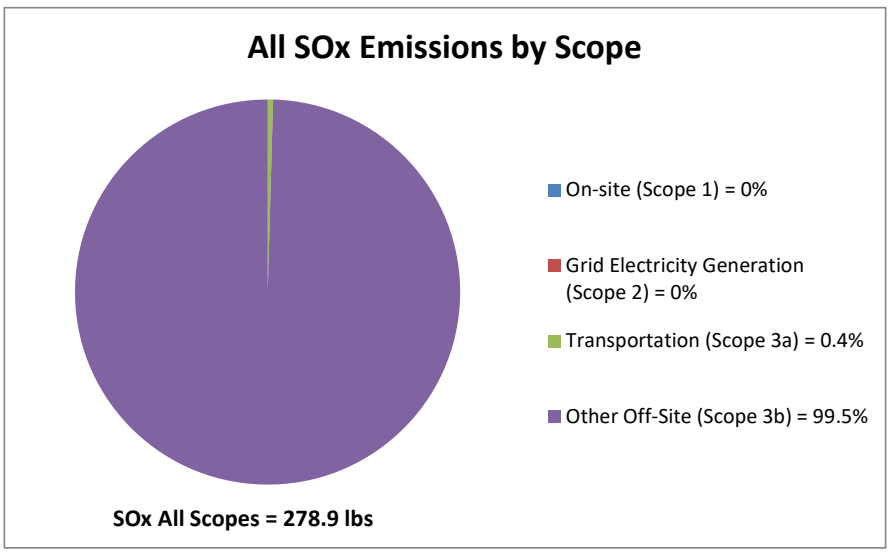
Remedial Investigation = 100%
< Component 2 > = 0%
< Component 3 > = 0%
< Component 4 > = 0%
< Component 5 > = 0%
< Component 6 > = 0%

On-site (Scope 1) = 20.8%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 20.4%
Other Off-Site (Scope 3b) = 58.7%

NOx All Components = 207.9 lbs
NOx All Scopes = 207.9 lbs


All SOx Emissions by Remedy Component and Scope
(in Lbs)
300
250
200
150
100
50
0
Remedial Investigation
< Component 2 >
< Component 3 >
< Component 4 >
< Component 5 >
< Component 6 >
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
SOx All Components = 278.9 lbs


All SOx Emissions by Remedy Component
Remedial Investigation = 100%
< Component 2 > = 0%
< Component 3 > = 0%
< Component 4 > = 0%
< Component 5 > = 0%
< Component 6 > = 0%
SOx All Components = 278.9 lbs

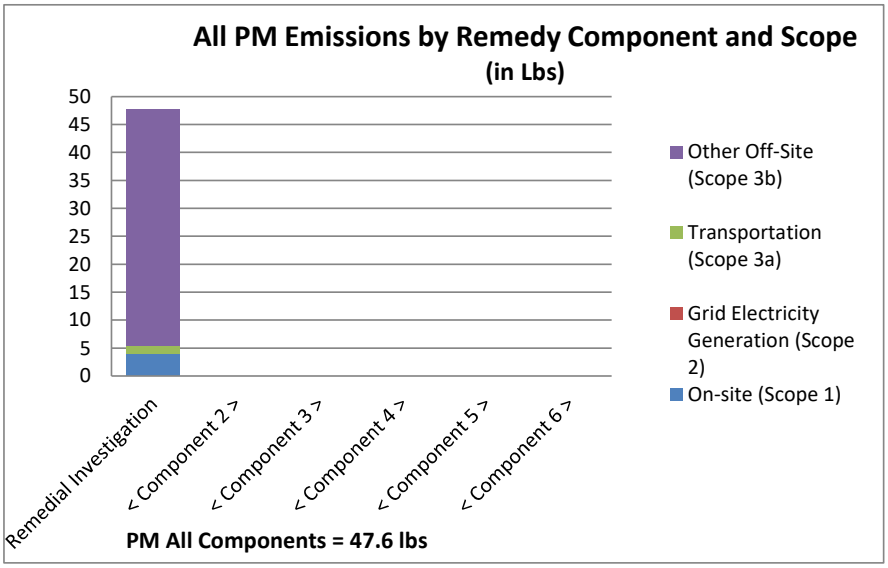

All SOx Emissions by Scope
On-site (Scope 1) = 0%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 0.4%
Other Off-Site (Scope 3b) = 99.5%
SOx All Scopes = 278.9 lbs

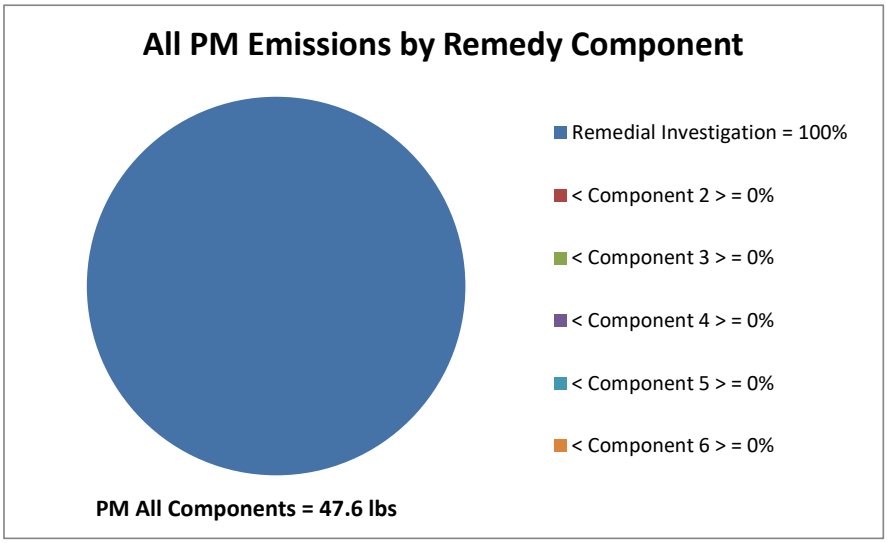
SOx lbs	Remedial I	< Compon	< Compon	< Compon	< Compon	< Compon	Total	
On-site (Scope 1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Generation (Scope 2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	d Electricity
nsportation (Scope 3a)	1.2	0.0	0.0	0.0	0.0	0.0	1.2	Trar
her Off-Site (Scope 3b)	277.7	0.0	0.0	0.0	0.0	0.0	277.7	Oth
Total	278.9	0.0	0.0	0.0	0.0	0.0	278.9	

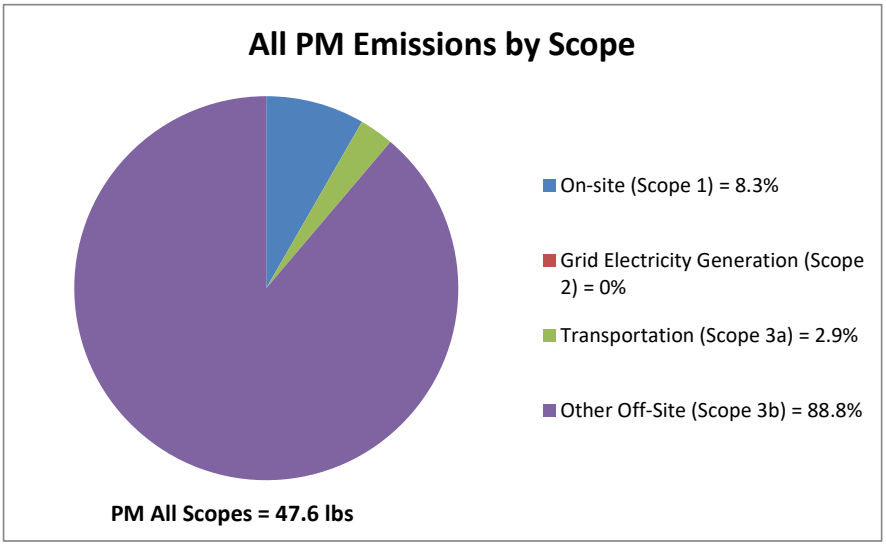
Remedial Investigation = 100%
< Component 2 > = 0%
< Component 3 > = 0%
< Component 4 > = 0%
< Component 5 > = 0%
< Component 6 > = 0%

SOx All Components = 278.9 lbs
SOx All Scopes = 278.9 lbs

On-site (Scope 1) = 0%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 0.4%
Other Off-Site (Scope 3b) = 99.5%


All PM Emissions by Remedy Component and Scope
(in Lbs)
50
45
40
35
30
25
20
15
10
5
0
Remedial Investigation
< Component 2 >
< Component 3 >
< Component 4 >
< Component 5 >
< Component 6 >
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
PM All Components = 47.6 lbs


All PM Emissions by Remedy Component
Remedial Investigation = 100%
< Component 2 > = 0%
< Component 3 > = 0%
< Component 4 > = 0%
< Component 5 > = 0%
< Component 6 > = 0%
PM All Components = 47.6 lbs

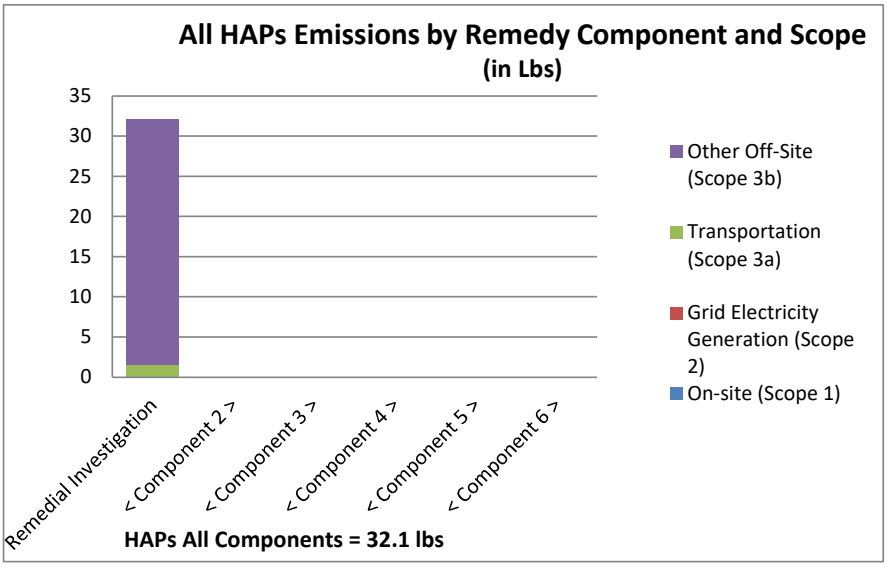

All PM Emissions by Scope
On-site (Scope 1) = 8.3%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 2.9%
Other Off-Site (Scope 3b) = 88.8%
PM All Scopes = 47.6 lbs

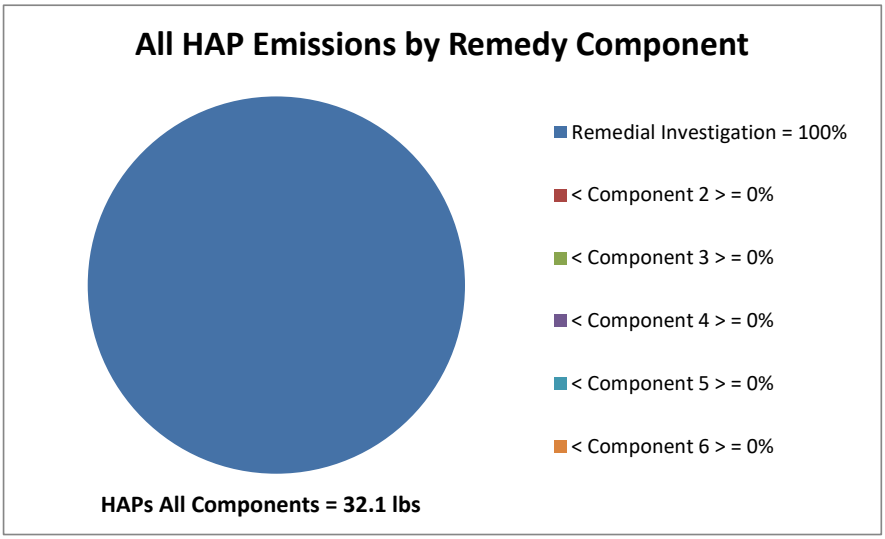
PM lbs	Remedial I	< Compon	< Compon	< Compon	< Compon	< Compon	Total	
On-site (Scope 1)	3.9	0.0	0.0	0.0	0.0	0.0	3.9	
Generation (Scope 2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	d Electricity
nsportation (Scope 3a)	1.4	0.0	0.0	0.0	0.0	0.0	1.4	Trar
ner Off-Site (Scope 3b)	42.3	0.0	0.0	0.0	0.0	0.0	42.3	Oth
Total	47.6	0.0	0.0	0.0	0.0	0.0	47.6	

Remedial Investigation = 100%
< Component 2 > = 0%
< Component 3 > = 0%
< Component 4 > = 0%
< Component 5 > = 0%
< Component 6 > = 0%

PM All Components = 47.6 lbs
PM All Scopes = 47.6 lbs

On-site (Scope 1) = 8.3%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 2.9%
Other Off-Site (Scope 3b) = 88.8%


All HAPs Emissions by Remedy Component and Scope
(in Lbs)
35
30
25
20
15
10
5
0
Remedial Investigation
< Component 2 >
< Component 3 >
< Component 4 >
< Component 5 >
< Component 6 >
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
HAPs All Components = 32.1 lbs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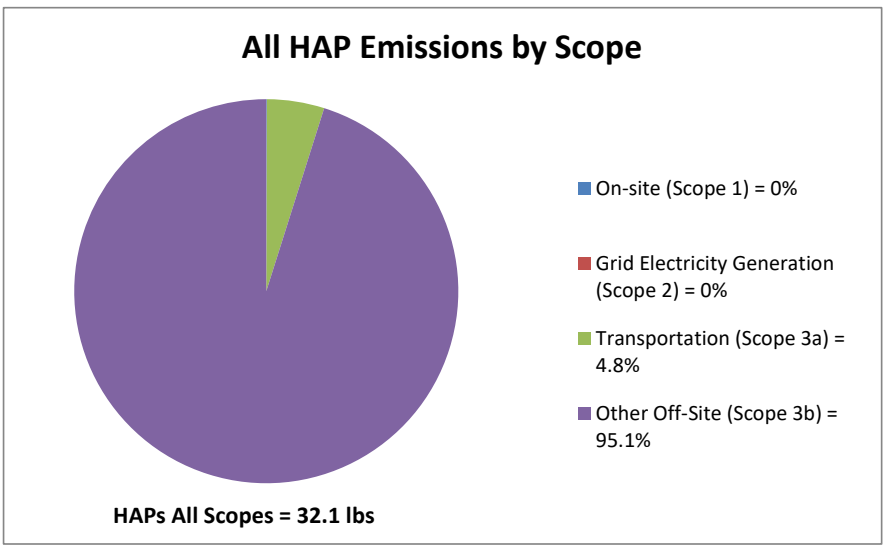
< Component 5 > = 0%
< Component 6 > = 0%
HAPs All Components = 32.1 lbs


All HAP Emissions by Scope
On-site (Scope 1) = 0%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 4.8%
Other Off-Site (Scope 3b) = 95.1%
HAPs All Scopes = 32.1 lbs

HAPs
lbs

	Remedial I	< Compon	< Compon	< Compon	< Compon	< Compon	Total
On-site (Scope 1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Generation (Scope 2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
nsportation (Scope 3a)	1.6	0.0	0.0	0.0	0.0	0.0	1.6
her Off-Site (Scope 3b)	30.5	0.0	0.0	0.0	0.0	0.0	30.5
Total	32.1	0.0	0.0	0.0	0.0	0.0	32.1

Remedial Investigation = 100%
< Component 2 > = 0%
< Component 3 > = 0%
< Component 4 > = 0%
< Component 5 > = 0%
< Component 6 > = 0%

HAPs All Components = 32.1 lbs
HAPs All Scopes = 32.1 lbs

On-site (Scope 1) = 0%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 4.8%
Other Off-Site (Scope 3b) = 95.1%

APPENDIX L
Fish and Wildlife Resource Impact Analysis Part 1

HALEY ALDRICH

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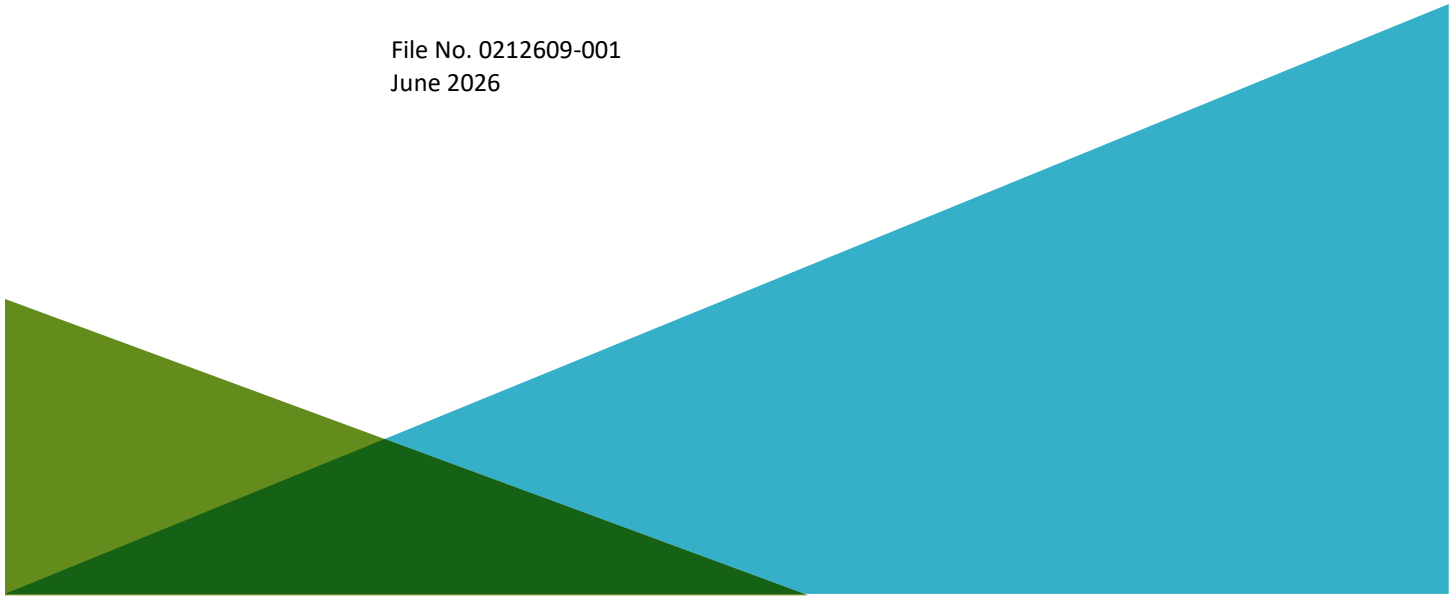
FISH AND WILDLIFE RESOURCE IMPACT ANALYSIS PART 1

FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
8-01 AND 8-51 26TH AVENUE
QUEENS, NEW YORK
NYSDEC SITE NO. C241295

by
H & A of New York Engineering and Geology, LLP
New York, New York

for
KS Astoria Holdings LLC
Newark, New Jersey

File No. 0212609-001
June 2026



H & A OF NEW YORK ENGINEERING
AND GEOLOGY, LLP
213 W. 35th St
7th Floor
New York, NY 10001
646.277.5685

June 11, 2026
File No. 0212609-001

New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

Attention: Rebecca Kerrigan

Subject: Fish and Wildlife Resource Impact Analysis Part I
Former Tilsdale Lumber and Coal Redevelopment Site
8-01 and 8-51 26th Avenue
Queens, New York
NYSDEC BCP Site No. C241295

Ladies and Gentlemen:

On behalf of KS Astoria Holdings LLC, H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) is submitting for the review and approval to the New York State Department of Environmental Conservation (NYSDEC) this Fish and Wildlife Resource Impact Analysis (FWRIA) as part of the Draft Remedial Investigation Report (RIR) for the Former Tilsdale Lumber and Coal Redevelopment Site (NYSDEC Brownfield Cleanup Program [BCP] Site No. C241295), located at 8-01 and 8-51 26th Avenue in Queens, New York (Site). The FWRIA was prepared in accordance with the NYSDEC Fish and Wildlife Impact Analysis for Inactive Hazardous Waste Sites (NYSDEC 1994), and Section 3.10 of Division of Environmental Remedial-10 (DER-10).

Please contact us if you have any questions regarding this submittal or any other aspects of the project.

Sincerely yours,
H & A OF NEW YORK ENGINEERING AND GEOLOGY, LLP

Suzanne M. Bell, P.E.
Senior Associate

James M. Bellew
Principal

Enclosures

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c: KS Astoria Holdings LLC; Attn: Abe Smilowitz <abe@ynhcon.com>
KS Astoria Holdings LLC; Attn: Daniel Epstein <dan@ksgroup.biz>
KS Astoria Holdings LLC; Attn: Yitz Kaufman <yitz@ksgroup.biz>
KS Astoria Holdings LLC; Attn: Daniel Spiegel <daniel@ksgroup.biz>
NYSDEC; Attn: Jane O'Connell <jane.oconnell@dec.ny.gov>
Abramson Brooks LLP; Attn: Jon Schuyler Brooks <jbrooks@abramsonbrooks.com>

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H & A OF NEW YORK ENGINEERING
AND GEOLOGY, LLP
213 W. 35TH ST
7TH FLOOR
NEW YORK, NY 10001
646.277.5685

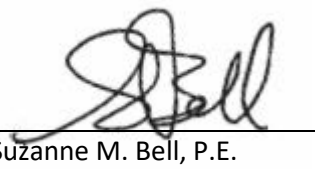
SIGNATURE PAGE FOR

FISHA AND WILDLIFE RESOURCE IMPACT ANALYSIS

FORMER TILSADLE LUMBER AND COAL REDEVELOPMENT SITE
8-01 AND 8-51 26TH AVENUE
QUEENS, NEW YORK
NYSDEC SITE NO. C241295

PREPARED FOR
KS ASTORIA HOLDINGS LLC
NEWARK, NEW JERSEY

REVIEWED AND APPROVED BY:



Suzanne M. Bell, P.E.
Senior Associate
H & A of New York Engineering and Geology, LLP

James M. Bellew
Principal
H & A of New York Engineering and Geology, LLP

Table of Contents

Page

List of Tables iii
List of Figures iii
List of Appendices iii
List of Abbreviations iv

1. Introduction 1

1.1 PURPOSE AND OBJECTIVES 1
1.2 SITE LOCATION AND DESCRIPTION 1
1.3 SITE HISTORY 2

2. Methodology 3

2.1 METHODOLOGY 3

3. Fish and Wildlife Resources 4

3.1 TERRESTRIAL RESOURCES 4
3.1.1 Cover Type 1: Urban Vacant Lot 4
3.1.2 Cover Type 2: Urban Structure Exterior 4
3.1.3 Cover Type 3: Paved Roads 5
3.1.4 Cover Type 4: Mowed Lawn/Mowed Lawn with Trees 5
3.1.5 Cover Type 5: Parks 5
3.2 AQUATIC RESOURCES 5
3.2.1 Cover Type 6: Estuarine Subtidal Aquatic Bed 5
3.2.2 Cover Type 7 Estuarine Riprap/Artificial Shore 6
3.3 FRESHWATER WETLANDS 6
3.4 FISH AND WILDLIFE RESOURCES 6
3.4.1 Sensitive Species 6
3.5 STRESS OBSERVATIONS 9
3.6 RECORDED KILLS OR OTHER INSTANCES OF WILDLIFE MORTALITY ASSOCIATED WITH SUBJECT PARCELS 9
3.7 FISH AND WILDLIFE CONSUMPTION ADVISORIES 9
3.8 VALUE OF HABITAT TO ASSOCIATED FAUNA 9
3.9 VALUE OF RESOURCES TO HUMANS 9

4. Exposure Pathways and Analysis 10

4.1 CHEMICALS OF POTENTIAL ECOLOGICAL CONCERN 10
4.2 SITE-SPECIFIC EXPOSURE PATHWAYS 13
4.3 OFF-SITE EXPOSURE PATHWAYS 14

5. Identification of Application Fish and Wildlife Regulatory Criteria 15

Table of Contents

		Page
6.	Conclusions	16
References		17

List of Tables

Table No.	Title
1	Sensitive Terrestrial Species at the Site (embedded)
2	Terrestrial Aquatic Species at the Site (embedded)
3	Summary of Soil Quality Data (appended)

List of Figures

Figure No.	Title
1	Project Locus
2	Topographic Map
3	Cover Type Map
4	Drainage Map

List of Appendices

Appendix	Title
A	Site Photographs
B	Correspondence
C	Sensitive Species Reports
D	Qualifications

List of Abbreviations

Abbreviation	Description
AMSL	above mean sea level
AWQS	Ambient Water Quality Standards
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
C2-4	commercial overlay district
CVOC	chlorinated volatile organic compound
DEP	New York City Department of Environmental Protection
DER-10	Division of Environmental Remediation-10 *(specifically "May 2010 NYSDEC Technical Guidance for Site Investigation and Remediation")*
E1UBL	estuarine, subtidal, unconsolidated bottom, subtidal
EAF	Environmental Assessment Form
EFH	Essential Fish Habitat
ERM	Environmental Resource Mapper
ESA	Endangered Species Act
ft	feet/foot
FWA	New York State Freshwater Wetlands Act
FWRIA	Fish and Wildlife Resources Impact Analysis
GIS	Geographic Information System
Haley & Aldrich of New York	H & A of New York Engineering and Geology, LLP
IPaC	Information for Planning and Consultation
NAVD88	North American Vertical Datum of 1988
NHP	Natural Heritage Program
NOAA	National Oceanic and Atmospheric Administration
NWI	National Wetland Inventory
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PAH	polycyclic aromatic hydrocarbon
PFAS	per- and polyfluoroalkyl substances
R7-3	residential zoning district
RIR	Remedial Investigation Report
SAV	submerged aquatic vegetation
SCO	soil cleanup objective
Site	the property located at 8-01 and 8-51 26th Avenue, Queens, New York
sq ft	square feet
TAL	Target Analyte List
TCE	trichloroethene
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure

TOGS 1.1.1	Technical and Operational Guidance Series 1.1.1 (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")
TWA	Tidal Wetlands Act
USDOC	U.S. Department of Commerce
USFWS	U.S. Fish & Wildlife Service
VOC	volatile organic compound
Volunteer	KS Astoria Holdings LLC
WQC	Water Quality Certification

1. Introduction

This Fish and Wildlife Resource Impact Analysis Part I (FWRIA) was developed by H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) on behalf of KS Astoria Holdings LLC (the Volunteer) for the proposed development of the Former Tilsdale Lumber and Coal Redevelopment site located at 8-01 and 8-51 26th Avenue, Queens, New York (the Site). KS Astoria Holdings LLC applied to and was accepted into the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) as a Volunteer (Haley & Aldrich of New York, 2025B). A Brownfield Cleanup Agreement (BCA) was executed by the NYSDEC and KS Astoria Holdings LLC on October 22, 2025 (BCP Site No. C241295).

1.1 PURPOSE AND OBJECTIVES

As part of NYSDEC's BCP, Haley & Aldrich of New York is required to perform an FWRIA Part I for the Site. The FWRIA identifies potential risks to wildlife from contaminants possibly migrating from the project parcel due to previous site usage.

The FWRIA was prepared in accordance with the NYSDEC Fish and Wildlife Impact Analysis for Inactive Hazardous Waste Sites (NYSDEC, 1994), and Section 3.10 of Division of Environmental Remedial-10 (DER-10) (NYSDEC, 2010). The primary objective is to identify fish and wildlife resources that could exist and that existed before contaminant introduction.

1.2 SITE LOCATION AND DESCRIPTION

The Site is identified as Block 906, Lots 1 and 5 on the New York City tax map. The Site is approximately 1.598 acres (69,616 square feet [sq ft]) and is currently an open, undeveloped lot used by several contractors for storage of equipment and materials. The Site is bounded by the East River to the north; an unimproved section of 26th Avenue, followed by an active construction site (Buildings 4 and 5) to the south; a 23-story multi-family building and two three-story family residences to the east; and an open, unimproved lot followed by two one-story industrial-use buildings to the west.

The Site is located within a residential zoning district (R7-3) with a commercial overlay (C2-4) in an urban area characterized by multi-story residential and commercial buildings and industrial and manufacturing buildings. The Volunteer plans to redevelop the Site for residential purposes, which is consistent with current zoning.

Review of the historical topographic maps identifies that most of the lot was improved with structures and/or outdoor parking. The historical structures on the site were demolished by the previous ownership, with the foundations and parking cover system left in place. The Site is currently a vacant lot with a stockpile of material that was left from the previous ownership.

A Project Locus is provided as Figure 1; a Topographic Map is provided as Figure 2; a Cover Type Map is provided as Figure 3; and a Drainage Map is provided as Figure 4.

Photographs of the Site are provided in Appendix A; agency correspondence is provided in Appendix B; federal and state sensitive species reports are provided in Appendix C; and the qualifications of the preparers are provided in Appendix D.

1.3 SITE HISTORY

Based on a Phase I Environmental Site Assessment completed by Haley & Aldrich of New York for the Site in March 2025 (Haley & Aldrich of New York, 2025), the Site was first developed in the late 1890s. Lot 1 was improved with a dwelling, and Lot 5 was improved with a lumber shed, a coal bin, coal pockets, a small office, and a dwelling operated by "Tilsdale Lumber & Coal Yard." By 1915, the dwelling on Lot 1 was razed and replaced with lumber piles and occupied by "Tilsdale Lumber & Coal Yard." During that time, Lot 5 was improved with coal pockets, lumber piles, a lumber shed, and multiple storage buildings. By 1948, the lumber yard structures were replaced with a large industrial building on Lot 5 and a smaller building on Lot 1, which were attached to the west-adjacent buildings operated by "Morey Machinery Co. Inc.," a machine shop. The building on Lot 5 was utilized for assembly, and the building on Lot 1 was utilized for heat treatment, grinding, and storage. By 1981, the same structures were depicted on the Sanborn Fire Insurance Maps, but the buildings were occupied by "Superstud Superior Steel Stud Manufacturing." From the 1990s to 2006, both lots remained unchanged. The buildings were demolished in 2023.

2. Methodology

2.1 METHODOLOGY

This FWRIA Part I was prepared in accordance with the NYSDEC Fish and Wildlife Impact Analysis for Inactive Hazardous Waste Sites (NYSDEC, 1994) and Section 3.10 of DER-10. As described in Section 3.10 DER-10, the FWRIA Part I consists of five steps, the results of which are summarized in report sections herein and shown in the embedded table and attached figures. These steps include:

- description of the Site and its surrounding area, including physical characteristics (e.g., topography, drainage, and habitat cover types) and wildlife resources;
- description and identification of the fish and wildlife resources in the vicinity of the Site;
- identification of contaminant migration pathways and potential fish and wildlife exposure pathways;
- identification of contaminants of ecological concern; and
- conclusions regarding the actual or potential adverse impacts to fish and wildlife resources.

Vegetative community types were described according to Ecological Communities of New York State, Second Edition (NYSDEC, 2014).

The U.S. Fish and Wildlife Service (USFWS) and NYSDEC Natural Heritage Program (NHP) were contacted for information on rare, threatened, and endangered species and significant natural communities in proximity to the parcels; this correspondence is included in Appendix B.

The NYSDEC Environmental Resources Mapper (ERM) was used to identify the presence of New York State (NYS) freshwater wetlands, significant ecological communities, and other mapped aquatic resources in the project vicinity. When the data from the ERM Mapper revealed that there could be sensitive species and/or habitats at the Site, the NYSDEC Environmental Assessment Form (EAF) mapper was used to obtain information on the state-listed species potentially at the Site and to develop the Fish and Wildlife Resource Map presented as Figure 2. The Geographic Information Systems (GIS) map base was used to perform a desktop analysis of the land uses within 0.5 miles of the subject parcels. This information was used to develop the General Cover Types Map (Figure 3). Copies of all federal and state sensitive species reports are provided in Appendix C.

A Site visit was conducted on May 26, 2026, to inventory the resources and parcel and land uses within 0.5 miles of the Site. During the site visit, the conditions were sunny, with a temperature of 66 degrees Fahrenheit and a relative humidity of 62 percent (U.S. Department of Commerce [USDOC], 2026B). The Site observations were used to develop the Environmental Resource Map, Site Features Map, and Land Cover Map. Additionally, the Site walk included evaluating existing wildlife species, significant ecological resources, and evidence of stressors on flora and fauna from historical Site uses/contamination.

Wildlife use in subject parcels and areas within 0.5 miles was characterized based on evaluating desktop resources and observations during the May 26, 2026, Site visit. Evidence of use observed during the Site visit included, but was not limited to, vocalizations, tracks, scat, tree damage, and direct observations of animals. Food and cover availability were also noted.

3. Fish and Wildlife Resources

The area comprising the subject parcels and surrounding area is an urban environment with minimal natural vegetation present. Years of urban development pressure have transformed the area into a highly impacted ecosystem when compared to an undeveloped site. Vegetation at the Site is non-existent, as the Site has been cleared. The Site does not provide a suitable habitat for fish or wildlife species. It will not be discussed further.

Five terrestrial ecological communities were identified outside of the subject parcels but within 0.5 miles: an urban vacant lot, an urban structure exterior, paved roads, mowed lawns (with and without trees), and parks. Two riverine ecological communities were identified along the East River: the River itself (estuarine subtidal aquatic bed) and an estuarine riprap/artificial shore.

Of the community types surrounding the Site, urban structure exterior and estuarine subtidal cover most of the area within a 0.5-mile radius of the Site. The ecological communities identified at the Site are described below. The approximate boundaries of these cover types are illustrated on Figure 3.

3.1 TERRESTRIAL RESOURCES

3.1.1 Cover Type 1: Urban Vacant Lot

This cover type is characterized by open areas that have been cleared for construction or adjacent activities, often including exposed soil and sparse vegetation. It comprises the entirety of the Site and appears in the surrounding area within a 0.5-mile radius. Vegetation is limited to opportunistic pioneer species, including mugwort (*Artemisia vulgaris),* lamb's quarters *(Chenopodium album),* and hedge bindweed *(Calystegia sepium).* Localized areas of shrub-scrub have developed in less disturbed areas, such as along the Site boundary fencing, with dominant species including princess tree (*Paulownia tomentosa*), red maple (*Acer rubrum*), and eastern cottonwood (*Populus deltoides*).

Wildlife found in this cover type is limited to those adapted to a built habitat with human disturbance. This may include American robin (*Turdus migratorius*), plus non-native birds such as domestic pigeon (*Columba livia*), house sparrow (*Passer domesticus*), and European starling (*Sturnus vulgaris*). It could also provide habitat for urban-adapted mammals such as groundhog (*Marmota monax*), voles (*Microtus spp*.), shrews, and mice.

3.1.2 Cover Type 2: Urban Structure Exterior

This cover type is characterized by exterior surfaces of residential and commercial buildings, as well as other built infrastructure. Vegetation is limited to opportunistic species that can thrive through hard-standing surfaces. This cover type includes most of the terrestrial habitat in the surrounding area. Developed areas may provide nesting opportunities for birds, insects, and small mammals, specifically those that are easily adapted to urbanized environments. This may include the peregrine falcon (*Falco peregrinus*), house sparrow, and domestic pigeon.

3.1.3 Cover Type 3: Paved Roads

This cover type provides no wildlife habitat but can be bordered by roadside vegetated verges that may provide foraging opportunities for common urban species. Roadside verges can also act as wildlife corridors, improving interconnectivity between habitats in the surrounding area.

One road, 26th Avenue, runs adjacent to the west Site boundary; however, the road is unpaved and has been repurposed to facilitate vehicular access to the surrounding Site areas. This cover type is common within a 0.5-mile radius but typically includes little or no associated vegetation.

3.1.4 Cover Type 4: Mowed Lawn/Mowed Lawn with Trees

This community type is characterized by managed lawns of species such as Kentucky bluegrass (*Poa pratensis*), annual bluegrass (*Poa annua*), or perennial ryegrass (*Lolium perenne*), often accompanied by planted trees and shrubs. This community type may provide foraging, nesting, and burrowing opportunities for common urban species.

Mowed lawns occur frequently within a 0.5-mile radius of the Site, with the closest being situated approximately 0.1 miles northwest. This cover type is part of several parks within the 0.5-mile radius, including Whitey Ford Field 0.2 miles to the west (a ballpark) and Astoria Park 0.21 miles to the northeast. Typical urbanized species include the American robin, house sparrow, groundhog, voles, shrews, rats, mice, eastern chipmunks (*Tamias striatus*), and eastern gray squirrels (*Sciurus carolinensis*).

3.1.5 Cover Type 5: Parks

This community type is characterized by managed lawn and recreational areas populated with typical lawn seed mixes and readily available tree and shrub species.

There are two parks within a 0.5-mile radius of the Site: 0.21 miles to the east is Astoria Park, and 0.38 miles to the north is Wards Island Park on Randalls Island. While Site visits were not made to these parks, it is reasonable to conclude that, due to development and heavy human use, the only species to utilize these areas would be typically urbanized species such as the American robin, house sparrow, domestic pigeon, groundhog, voles, shrews, rats, mice, chipmunks, and squirrels.

3.2 AQUATIC RESOURCES

3.2.1 Cover Type 6: Estuarine Subtidal Aquatic Bed

The East River is a saltwater tidal estuary or strait in New York City listed by the USFWS National Wetland Inventory (NWI) as E1UBL (estuarine, subtidal, unconsolidated bottom, subtidal). The waterway, which is not actually a river despite its name, connects Upper New York Bay on its south end to Long Island Sound on its north end. It separates Long Island, with the boroughs of Brooklyn and Queens, from Manhattan Island and from the Bronx on the mainland. The tidal strait changes its direction of flow regularly and is subject to strong fluctuations in its current, which are accentuated by its narrowness and variety of depths. The waterway is navigable for its entire length of 16 miles (26 kilometers [km]) and was historically the center of maritime activities in the city.

As of 2010, the New York City Department of Environmental Protection (NYCDEP) categorizes the East River as Use Classification I, meaning it is safe for secondary contact activities such as boating and

fishing. The Site encompasses a portion of the East River at the northern Site boundary. This cover type is likely to support a tidal estuarine community adapted to variable currents and urban shoreline conditions. It may also provide seasonal foraging and refuge habitat for estuarine and marine fish, including bluefish (*Pomatomus saltatrix*), tautog (*Tautoga onitis*), and striped bass (*Morone saxatilis*). Review of the USFWS Information for Planning and Consultation (IPaC) system reported that the East River supports threatened (NYS and federal) fish species.

3.2.2 Cover Type 7 Estuarine Riprap/Artificial Shore

This cover type is characterized by a disturbed shoreline reinforced for erosion control, often with heavy unconsolidated rock or rubble along the littoral zone. Vegetation, both aquatic and terrestrial, is often sparse in these areas; however, the rocky surface can provide foraging habitat and refugia for invertebrate, bird, and fish species.

This cover type occurs along the northern Site boundary, as well as within a ½-mile radius, intermittently along the East River shoreline. The rocky shore is largely comprised of algae species such as bladder wrack (*Fucus vesiculosus*), and bird species, such as ring-billed gull (*Larus delawarensis*) and American herring gull (*Larus smithsonianus*), may use this cover type for opportunistic foraging.

3.3 FRESHWATER WETLANDS

Based upon a desktop review and Site visit observations, freshwater wetlands are not present on or within 0.5 miles of the Site. Therefore, there are no impacts to freshwater wetlands from this location.

3.4 FISH AND WILDLIFE RESOURCES

Review of the ERM identified that significant estuarine zones and natural communities exist adjacent and proximal to the Site. The Site, which comprises a cleared/vacant urban lot, does not provide significant wildlife resource value. However, the parcel is not known to support rare, threatened, or endangered species or significant natural communities/species that are listed as waterborne species associated with the East River.

3.4.1 Sensitive Species

As mentioned in Section 2.1, Haley & Aldrich of New York consulted with the following state and federal agencies to determine the potential presence of listed species and habitats at Site:

- USFWS IPaC (USFWS, 2026);
- USDOC's National Oceanic and Atmospheric Administration (NOAA) Endangered Species Act (ESA) Section 7 Mapper (USDOC, 2026A);
- USDOC NOAA Essential Fish Habitat (EFH) Mapper (USDOC, 2026C); and
- NYSDEC NHP via the ERM (NYSDEC, 2026A) and EAF (NYSDEC, 2026B).

Table 1 contains the results for terrestrial species and habitats below.

Table 1. Sensitive Terrestrial Species at the Site			
Agency	**Common Name**	***Scientific Name***	**Status**
NYSDEC NHP	peregrine falcon	*Falco peregrinus*	State Endangered
	leatherback turtle	*Dermochelys coriacea*	State Endangered
USFWS IPaC	piping plover	*Charadrius melodus*	Federally Threatened
	roseate tern	*Sterna dougallii dougallii*	Federally Endangered
	rufa red knot	*Calidris canutus rufa*	Federally Threatened
	monarch butterfly	*Danaus plexippus*	Federally Proposed Threatened

Table 2 contains the results for aquatic species and habitats below.

Table 2. Terrestrial Aquatic Species at the Site						
Agency	**Common Name**	***Scientific Name***	**Life Stage**	**Behavior**	**Zone**	**Dates**
NOAA ESA 7	Atlantic sturgeon	*Acipenser oxyrinchus oxyrinchus*	subadult	migrating & foraging	East River	1/1 – 12/31
	Atlantic sturgeon	*Acipenser oxyrinchus oxyrinchus*	adult	migrating & foraging	East River	1/1 – 12/31
	shortnose sturgeon	*Acipenser brevirostrum*	adult	migrating & foraging	East River	4/1 - 11/30
	green sea turtle	*Chelonia mydas*	adults & juveniles	migrating & foraging	MA through VA	5/1 – 11/30
	Kemp's ridley sea turtle	*Lepidochelys kempii*	adults & juveniles	migrating & foraging	MA through VA	5/1 – 11/30
	leatherback sea turtle	*Dermochelys coriacea*	adults & juveniles	migrating & foraging	MA through VA	5/1 – 11/30
	loggerhead sea turtle	*Caretta caretta*	adults & juveniles	migrating & foraging	MA through VA	5/1 – 11/30

Haley & Aldrich of New York also consulted the NOAA EFH mapper online to determine the presence of listed aquatic species that could be impacted. The EFH report indicated that there may be a Habitat Area of Particular Concern at the Site for submerged aquatic vegetation (SAV) that supports summer flounder (*Paralichthys dentatus*), but region-wide mapping of SAV is not available. There are several listed species in the East River, but because the proposed work will be limited to the terrestrial portion of the Site, project activities are not anticipated to impact those species. Therefore, sensitive aquatic species and habitats will not be discussed further. Copies of these reports are included here in Appendix C.

3.4.1.1 Peregrine falcon

In North America, peregrine falcons breed in open landscapes with cliffs (or skyscrapers) for nest sites. In migration and winter can be found in nearly any open habitat, but with a greater likelihood along barrier islands, mudflats, coastlines, lake edges, and mountain chains (All About Birds, 2026A). This habitat could be present at the Site.

3.4.1.2 Leatherback turtle

Leatherback turtles nest primarily in tropical latitudes; in the U.S., their primary nesting territory is along the Atlantic coast of Florida. They occupy waters in the northwest Atlantic Ocean, and their preferred prey are soft-bodied open-ocean prey such as jellyfish and salps (NOAA Fisheries, 2026). Neither nesting habitat nor open-ocean prey species are present at the Site.

3.4.1.3 Piping plover

Piping plovers breed along ocean shores in the Northeast. They nest above the high-water line in sandy areas with sparse vegetation, including marshes, ocean shores, bays, spoil islands, reservoirs, alkali lakes, and rivers (All About Birds, 2026B). This habitat is not present at the Site.

3.4.1.4 Roseate tern

Roseate terns in eastern North America nest on sandy barrier islands, on rocky islands, and occasionally on islands or hummocks in saltmarshes. They set their nests among rocks, shells, or vegetation, often in concealed spots such as clumps of seaside goldenrod or beach grass (All About Birds, 2026C). This habitat is not present at the Site

3.4.1.5 Rufa red knot

Rufa red knots nest in high Arctic habitats and migrate thousands of miles to their breeding habitats. Migrating and wintering knots use marine habitats (sandy beaches, saltmarshes, lagoons, mudflats of estuaries and bays, and mangrove swamps) that contain an abundance of invertebrate prey. Their prey consists of small bivalves, especially mussels, clams, and cockles, for most of the year. In the spring, their preferred prey are horseshoe crab eggs, which are abundant in the Delaware Bay (All About Birds, 2026D). While there are some bivalves at the Site, the lack of horseshoe crabs makes the Site a poor habitat for migrating individuals.

3.4.1.6 Monarch butterfly

Monarch butterflies need milkweed (Asclepias spp.) and other flowering plants for habitat. Adult monarchs feed on the nectar of many flowers, but they breed only where milkweeds are found (U.S. Department of Agriculture [USDA] Forest Service, 2026). While suitable nectar sources and milkweed patches may be in the vicinity of the Site, they are not found at the Site itself. It is possible that the Site hosts species of milkweed (*Asclepias spp.*) that could be used by the Monarch butterfly as habitat for eggs and larvae, but as this species is not yet listed, it will not be addressed further.

Based on available habitat observed during the Site visit and the IPaC species list, none of the listed species are expected to utilize the Site.

The surrounding 0.5-mile radius consists of residential and commercial properties in an urban setting. Naturally occurring ecological communities are relatively common despite the highly urbanized surrounding areas. The connectivity of the Site area to the surrounding habitat is limited to intermittent shrubs and trees located along the riprap shore. The ecological communities are therefore not consistent or well-connected and do not support diverse wildlife populations at the Site. Any species present have adapted to the urban environment.

3.5 STRESS OBSERVATIONS

Haley & Aldrich of New York visited the Site on May 26, 2026, to observe conditions within and around the Site boundary area. During the Site visit, observed flora and fauna were assessed for general vigor and any visible signs of stress caused by physical or chemical impacts. This included searching for stressors such as, but not limited to, wildlife mortality, seeps, exposed waste, absence of plants and animals, dead or dying vegetation, discolored soils, and unusual odors.

The subject parcel and surrounding lands have been heavily developed/altered for commercial, recreational, and residential uses. This has significantly reduced the viability of these areas to support diverse ecological communities and associated fish and wildlife populations. Indications of stress on flora or fauna were not detected during the Site visit. Much of the Site was previously developed for industrial/commercial and recreational uses. These adaptations limit the Site's use for wildlife.

3.6 RECORDED KILLS OR OTHER INSTANCES OF WILDLIFE MORTALITY ASSOCIATED WITH SUBJECT PARCELS

Records of fish kills or other instances of wildlife mortality were not found for the area.

3.7 FISH AND WILDLIFE CONSUMPTION ADVISORIES

As discussed in Section 3.2.1, fish and wildlife consumption opportunities are not associated with the project parcel as the East River is not classified for human consumption and no hunting opportunities exist at the Site. As a result, New York State Department of Health (NYSDOH) fish consumption advisories are irrelevant.

3.8 VALUE OF HABITAT TO ASSOCIATED FAUNA

As discussed in Section 3.4, most Site areas are comprised of cleared compacted soils and urban development, with sparse vegetative growth. These areas provide low habitat value to wildlife, only providing use for urban-adapted species intermittently.

The capacity for the Site to support fish and wildlife is limited to the northernmost area that comprises a riprap shoreline and the East River. This area has a more established floral community as it is less disturbed by construction activities and could provide cover, foraging, and nesting opportunities for transient species. As is typically found on urban sites, common invasive species of plants such as Japanese knotweed (*Reynoutria japonica*), mugwort, black medick (*Medicago lupulina*), English ivy (*Hedera helix*), princess tree, black locust (*Robinia pseudoacacia*), and tree-of-heaven (*Ailanthus altissima*) were identified on the property. The habitat value associated with the parcel is minimal as it does not offer good habitat for common species or those that are able to adapt to disturbed ecological communities.

3.9 VALUE OF RESOURCES TO HUMANS

The Site currently provides residential and commercial value to humans. The urban setting prevents hunting, and the ecological habitats are not significant for wildlife viewing. Fishing in the East River is permitted by NYSDEC, but there are no piers or boat launches at the Site to facilitate this activity. Boating is also possible, but there are no boat launches at the Site.

4. Exposure Pathways and Analysis

Based on a review of the existing Site conditions, topography, soil borings logs, sampling information, and analytical data, exposure pathways appear limited to direct contact of on-Site wildlife species with broken concrete areas and parking areas, elevated soil areas, surface contact, and burrowing. The presence of concrete from former buildings acts as a barrier to burrowing and potential ingestion of contaminated grit. The lack of any aquatic resources on-Site also limits the potential exposure pathways to any aquatic species.

Contaminants in shallow soil at the project parcels have a very limited exposure to wildlife and a low potential for off-Site migration to aquatic resources. Shallow soils were only evaluated since most biological activities occur within approximately 3 feet (ft) of the surface.

Based on previous investigations, groundwater was encountered at elevations ranging from 1.90 to 3.97 ft above mean sea level (AMSL; North American Vertical Datum of 1988 [NAVD88]) throughout the Site.

4.1 CHEMICALS OF POTENTIAL ECOLOGICAL CONCERN

Soil concentrations at the subject parcels were compared to Restricted Use Soil Cleanup Objectives for Protection of Ecological Resources (RUSCO PECR) to determine which chemicals were of potential ecological concern. Based on the soil analytical results reported for the subject parcels, chemicals of potential ecological concern in soil include:

- **Polycyclic Aromatic Hydrocarbons (PAHs):** These compounds include both high and low molecular weight compounds and were identified primarily within the contaminated fill layer across the Site, which varies in extent from 0 to 10 ft below ground surface (bgs). Specifically, PAHs were identified above the RUSCO PECR in the following locations:
  - RI-SB-02 (7-9') benzo(a)pyrene at 6.6 milligrams per kilogram (mg/kg)
  - RI-SB-20 (0-2') benzo(a)pyrene at 66 mg/kg and Fluorene at 33 mg/kg
  - RI-SB-20 Duplicate (0-2') benzo(a)pyrene at 4.3 mg/kg

  PAHs were identified above the NYSDEC AWQS in six of the monitoring wells during the Remedial Investigation (Haley & Aldrich of New York, 2026).
- **Pesticides:** Elevated concentrations of polychlorinated biphenyls (PCBs) were identified primarily within the contaminated fill layer across the Site, which varies in extent from 0 to 23 ft bgs.
  - RI-SB-02 (0-2') 4,4'-DDE at 0.0079 mg/kg, 4,4'-DDT at 0.00456 mg/kg
  - RI-SB-04 (0-2') 4,4'-DDT at 0.00854 mg/kg
  - RI-SB-05 Duplicate (0-2') 4,4'-DDD at 0.00511 mg/kg
  - RI-SB-05 (7-9') 4,4'-DDD at 0.0144 mg/kg, 4,4'-DDE at 0.0202 mg/kg, 4,4'-DDT at 0.02 mg/kg and Dieldrin at 0.0067 mg/kg
  - RI-SB-05 (13-15') 4,4'-DDD at 0.0071 mg/kg, 4,4'-DDE at 0.00602 mg/kg and 4,4'-DDT at 0.0196 mg/kg
  - RI-SB-06 (0-2') 4,4'-DDT at 0.00456 mg/kg

- RI-SB-06 (10-12’) 4,4'-DDT at 0.00862 mg/kg
- RI-SB-03 (10-12’) 4,4'-DDD at 0.00855 mg/kg and 4,4'-DDT at 0.01 mg/kg
- RI-SB-11 (0-2’) 4,4'-DDT at 0.0054 mg/kg
- RI-SB-11 (11-13’) 4,4'-DDE at 0.0236 mg/kg, 4,4'-DDT at 0.0834 mg/kg and Dieldrin at 0.027 mg/kg
- RI-SB-13 (0-2’) 4,4'-DDT at 0.0134 mg/kg
- RI-SB-13 (10-12’) 4,4'-DDT at 0.0178 mg/kg,
- RI-SB-13 (20-22’) 4,4'-DDT at 0.00993 mg/kg
- RI-SB-14 (0-2’) 4,4'-DDT at 0.00516 mg/kg
- RI-SB-14 (10-12’) 4,4'-DDT at 0.00704 mg/kg
- RI-SB-15 (0-2’) 4,4'-DDT at 0.00744 mg/kg
- RI-SB-15 (10-12’) 4,4'-DDT at 0.0046 mg/kg
- RI-SB-15 (20-22’) ,4'-DDE at 0.0157 mg/kg and 4,4'-DDT at 0.0316 mg/kg
- RI-SB-17 (0-2’) 4,4'-DDD at 0.00445 mg/kg and 4,4'-DDT at 0.0105 mg/kg
- RI-SB-17 (10-12’) 4,4'-DDT at 0.00616 mg/kg
- RI-SB-18 (20-22’) ,4'-DDT at 0.00428 mg/kg
- RI-SB-13 (0-2’) 4,4'-DDD at 0.00488 mg/kg
- RI-SB-13 (7-9’) 4,4'-DDD at 0.0486 mg/kg, 4,4'-DDE at 0.0116 mg/kg, 4,4'-DDT at 0.068 mg/kg and Dieldrin at 0.0107 mg/kg
- RI-SB-13 (10-12’) 4,4'-DDD at 0.0118 mg/kg, 4,4'-DDE at 0.00774 mg/kg and 4,4'-DDT at 0.00501 mg/kg
- RI-SB-20 (8-10) 4,4'-DDD at 0.0372 mg/kg, 4,4'-DDE at 0.0133 mg/kg, 4,4'-DDT at 0.0197 mg/kg

Pesticides were not identified above the NYSDEC AWQS in any of the monitoring wells during the Remedial Investigation (Haley & Aldrich of New York, 2026)..

- **PCBs:** Elevated concentrations of PCBs were identified primarily within the contaminated fill layer across the Site, which varies in extent from 0 to 14 ft bgs. Specifically, PCBs were identified above the RUSCO PECR in the following locations:
  - RI-SB-11 (11-13’) Total PCBs at 2.55 mg/kg
  - RI-SB-13 (0-2’) Total PCBs at 1.58 mg/kg.
  - RI-SB-16 (0-2’) Total PCBs at 2.98 mg/kg

  PCBs above the NYSDEC AWQS were only identified in RI-MW-07 during the Remedial Investigation at 0.415 micrograms per liter (µg/L).
- **Metals:** Elevated concentrations of heavy metals, including but not limited to lead, mercury, nickel, and zinc, were identified primarily within the contaminated fill layer across the Site, which varies in extent from 0 to 26 ft bgs. Specifically, metals were identified above the RUSCO PECR in the following locations:
  - B-15 (0-2’) copper at 152 mg/kg, lead at 528 mg/kg, mercury at 4.33 mg/kg, nickel at 49.5 mg/kg, and zinc at 1050 mg/kg
  - B-15 Duplicate (0-2’) copper at 223 mg/kg, lead at 314 mg/kg, mercury at 0.333 mg/kg, nickel at 39.7 mg/kg, and zinc at 783 mg/kg

- RI-SB-01 (0-2') arsenic at 15.7 mg/kg, copper at 160 mg/kg, lead at 143 mg/kg, and zinc at 123 mg/kg
- RI-SB-02 (7-9') lead at 133 mg/kg and zinc at 154 mg/kg
- RI-SB-03 (0-2') lead at 82.1 mg/kg and mercury at 0.186 mg/kg
- RI-SB-04 (0-2') lead at 100 mg/kg
- RI-SB-04 (10-12') copper 126 mg/kg, lead 152 mg/kg, and nickel 57.9 mg/kg
- RI-SB-04 Duplicate (10-12') copper 94.2 mg/kg, lead 108 mg/kg, and nickel 37.4 mg/kg
- RI-SB-05 (0-2') lead at 94.3 mg/kg
- RI-SB-05 (7-9') lead at 302 mg/kg, mercury at 0.25, and zinc at 188 mg/kg
- RI-SB-05 (13-15') lead at 86.1 mg/kg and zinc at 122 mg/kg
- RI-SB-06 (10-12') lead at 79.2 mg/kg
- RI-SB-07 (10-12') copper at 99.9 mg/kg, lead at 124 mg/kg, nickel at 35.1 mg/kg, and zinc at 2300 mg/kg
- RI-SB-07 (20-22') copper at 141 mg/kg, lead at 122 mg/kg, nickel at 53.5 mg/kg, and zinc at 212 mg/kg
- RI-SB-07 (23-25) lead at 63.1 mg/kg and zinc at 126 mg/kg
- RI-SB-08 (0-2') lead at 89 mg/kg
- RI-SB-09 (20-22') copper at 176 mg/kg, lead at 72.8 mg/kg, and zinc at 240 mg/kg
- RI-SB-11 (0-2') lead at 74.6 mg/kg
- RI-SB-11 (8-10') lead at 72.8 mg/kg
- RI-SB-11 (11-13') copper at 51 mg/kg
- RI-SB-13 (0-2') lead at 71.4 mg/kg, mercury at 0.353 mg/kg, and zinc at 125 mg/kg
- RI-SB-13 (10-12') copper at 65.9 mg/kg, lead at 103 mg/kg, and zinc at 130 mg/kg
- RI-SB-14 (0-2') lead at 92.8 mg/kg
- RI-SB-14 (10-12') copper at 62.7 mg/kg, lead at 135 mg/kg, nickel at 30.1 mg/kg, and zinc at 259 mg/kg
- RI-SB-14 (20-22') copper at 50.7 mg/kg and zinc at 299 mg/kg
- RI-SB-15 (0-2') lead at 77.1 mg/kg and zinc at 179 mg/kg
- RI-SB-15 (10-12') mercury at 2.01 mg/kg
- RI-SB-15 (20-22') lead at 63.4 mg/kg, mercury at 2.19 mg/kg, and copper at 311 mg/kg
- RI-SB-15 (24-26') copper at 60.2 mg/kg
- RI-SB-16 (24-26') lead at 74.8 mg/kg
- RI-SB-17 (0-2') lead at 113 mg/kg and zinc at 139 mg/kg
- RI-SB-17 (10-12') lead at 88.2 mg/kg and zinc at 116 mg/kg
- RI-SB-17 (20-22') lead at 75.3 mg/kg
- RI-SB-18 (14-16') lead at 96.8 mg/kg
- RI-SB-19 (10-12') copper at 51.1 mg/kg, lead at 314 mg/kg, mercury at 0.563 mg/kg, and zinc at 211 mg/kg
- RI-SB-20 (0-2') copper at 75 mg/kg, lead at 262 mg/kg, and zinc at 229 mg/kg
- RI-SB-20 (11-13') lead at 182 mg/kg, mercury at 0.494 mg/kg, and zinc at 1,140 mg/kg

Dissolved Metals considered under the RUSCO PECR were not identified above the NYSDEC AWQS in any of the monitoring wells during the Remedial Investigation (Haley & Aldrich of New York, 2026).

- **Chlorinated Volatile Organic Compounds (CVOCs):** Elevated concentrations of CVOCs (specifically tetrachloroethene [PCE]) at concentrations exceeding the RUSCOs in soil and at elevated concentrations in soil vapor in the northwestern portion of the Site. The CVOC source area has been delineated horizontally and vertically and is approximately 865 sq ft, extending from 0 to 10 ft bgs. Specifically, CVOCs were identified above the RUSCO PECR in the following locations:
  - DB-02 (3-5') PCE at 27 mg/kg
  - DB-02A (3-5') PCE at 7.7 mg/kg
  - DB-03A (0-2') PCE at 14 mg/kg
  - DB-03A (3-5') PCE at 72 mg/kg and trichloroethene (TCE) at 3 mg/kg
  - DB-03A (7-9') PCE at 3.2 mg/kg
  - DB-03B (3-5') PCE at 5.8 mg/kg
  - SB-103 (0-2') PCE at 3.2 mg/kg
  - SB-103 (7-9') PCE at 6.1 mg/kg

  CVOCs were not identified above the NYSDEC AWQS in any of the monitoring wells during the Remedial Investigation (Haley & Aldrich of New York, 2026).

Table 3 provides a summary of all soil samples collected as part of the Remedial Investigation compared to the RUSCO PECR. The contamination in soil, groundwater, and soil vapor can likely be attributed to several potential sources, both on and off the Site. The CVOC impacts in soil and soil vapor, specifically in the northwestern portion of the Site, can likely be attributed to the CVOC source area centered around historical soil boring SB-103.

Historical operations (i.e., coal pockets, steel assembly/grinding, and heat treatment) are likely the primary source of the CVOC contamination at the Site, and urban fill material is likely the source of metals and PAHs in soil. Other impacts to soil vapor and groundwater may be attributed to off-Site and upgradient sources.

Groundwater was encountered at elevations ranging from 1.90 to 3.97 ft AMSL NAVD88 throughout the Site. As noted above, the impacts to groundwater from soil are minimal.

4.2 SITE-SPECIFIC EXPOSURE PATHWAYS

Complete exposure pathways include:

- Direct contact by terrestrial wildlife with exposed surface soil in uncovered areas, including incidental ingestion and dermal contact, and inhalation of dust from unvegetated soil.
- Ingestion of soil-dwelling invertebrates that have contacted or accumulated contaminants from surface soil, shallow subsurface materials, or the contaminated fill layer.
- Movement of contaminated surface soil and sediment transport during precipitation, snowmelt, and other events that transport surface sediment.
- Erosion of exposed surface soil and shallow subsurface materials from unvegetated areas.

- Leaching of contaminants found from impacted soil to groundwater, with subsequent groundwater discharge to the abutting East River.
- Exposure of aquatic organisms to contaminants in surface water or sediment.
- Exposure of burrowing animals to surface soil and shallow subsurface soil and the contaminated fill layer beneath sparse vegetation, or degraded former building and parking areas.

4.3 OFF-SITE EXPOSURE PATHWAYS

Available data indicate that soil, groundwater, and soil vapor contamination are limited to the Site, and that off-Site exposure pathways are not currently present. Given the hydrogeologic connection between the Site and East River, potential and off-Site exposure pathways associated with migrating surface water are possible.

5. Identification of Application Fish and Wildlife Regulatory Criteria

Contaminant-specific criteria applicable to the remediation of fish and wildlife resources at the project parcels likely include:

- NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1
- Division of Fish and Wildlife Screening and Assessment of Contaminated Sediment
- NYSDEC DER-10: Technical Guidance for Site Investigation and Remediation

Site-specific criteria such as the New York State Freshwater Wetlands Act, the Tidal Wetlands Act, and 401 Water Quality Certification are not applicable to the project parcels because aquatic resources are not present within the parcel planned for redevelopment.

6. Conclusions

The Site has a long history of adaptation for industrial and commercial use. This history, combined with the extensive development around the Site, has made the area a suitable habitat for only common plant and animal species that have adapted to urban environments. The one exception to this is that the urban structure exterior habitat could be used for nesting by peregrine falcons; however, no known nesting has been identified on the Site. As a result, the potential impacts on terrestrial wildlife are minimal.

The Site's use as habitat for wildlife is substantially restricted due to the impervious nature and current uses of the Site. These past uses have resulted in the discharge of contaminants into the soil. Redevelopment of the Site may be able to provide future wildlife habitat by utilizing softscape areas with plant selections that will provide food, habitat, and shelter.

Significant estuarine zones and natural communities exist proximal to the Site. The Site, which comprises a cleared/vacant urban lot, and the parcel is not known to support rare, threatened, or endangered species or significant natural communities/species that are listed as waterborne species associated with the East River. The IPaC database indicates that, while four species that are listed or proposed for listing as threatened or endangered may occur in the vicinity of the Site, no critical habitats for these species were identified within the Site.

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TABLES

TABLE 3
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																						
Location Name	Restricted Use Soil	B-15_D	B-15_D	B-15_D	B-15_D	B-21_D	B-23	B-23	B-23	B-23	DB-02	DB-02	DB-02	DB-02A	DB-02A	DB-02A	DB-03A	DB-03A	DB-03A	DB-03B	DB-03B	DB-03B
Sample Name	Cleanup Objectives -	B-15_D_0-2	DUP-01_20250204	B-15_D_2-4	B-15_D_10-12	B-21_D_0-2	B-23_0-2_RS	B-23_3-5_RS	B-23_7-9_RS	DUP-03_20260316	DB-02_0-2	DB-02_3-5	DB-02_7-9	DB-02A_0-2	DB-02A_3-5	DB-02A_7-9	DB-03A_0-2	DB-03A_3-5	DB-03A_7-9	DB-03B_0-2	DB-03B_3-5	DB-03B_7-9
Sample Date	Protection Ecological	02/04/2026	02/04/2026	02/04/2026	02/04/2026	02/06/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026
Lab Sample ID	Resources	L2606227-04	L2606227-05	L2606227-06	L2606227-07	L2606929-01	L2614270-16	L2614270-17	L2614270-18	L2614270-19	L2614270-26	L2614270-27	L2614270-28	L2614270-29	L2614270-30	L2614270-31	L2614270-10	L2614270-11	L2614270-12	L2614270-13	L2614270-14	L2614270-15
Sample Depth (bgs)	2025	0 - 2 (ft)	0 - 2 (ft)	2 - 4 (ft)	10 - 12 (ft)	0 - 2 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)
Volatile Organic Compounds (mg/kg)																						
1,1,1,2-Tetrachloroethane	NA	ND (0.001)	ND (0.0008)	ND (0.00049)	ND (0.00038)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	NA	ND (0.001)	ND (0.0008)	ND (0.00049)	ND (0.00038)	-	ND (0.00064) J	ND (0.00051)	ND (0.00072)	ND (0.00052)	ND (0.00073)	ND (0.027)	ND (0.027)	ND (0.00067)	ND (0.022)	ND (0.00053)	ND (0.027)	ND (0.028)	ND (0.031)	ND (0.00068)	ND (0.028)	ND (0.00049)
1,1,2,2-Tetrachloroethane	NA	ND (0.001)	ND (0.0008)	ND (0.00049)	ND (0.00038)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	ND (0.0013)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.0015)	ND (0.054)	ND (0.055)	ND (0.0013)	ND (0.045)	ND (0.0011)	ND (0.054)	ND (0.056)	ND (0.063)	ND (0.0014)	ND (0.056)	ND (0.00099)
1,1-Dichloropropene	NA	ND (0.001)	ND (0.0008)	ND (0.00049)	ND (0.00038)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4,5-Tetramethylbenzene	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	NA	ND (0.0061)	ND (0.0048)	ND (0.003)	ND (0.0023)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane (Ethylene Dibromide)	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	10	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropane	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropene	NA	ND (0.001)	ND (0.0008)	ND (0.00049)	ND (0.00038)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	20	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Diethylbenzene	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dioxane	0.1	ND (0.16)	ND (0.13)	ND (0.079)	ND (0.061)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	100	ND (0.02)	ND (0.016)	ND (0.0098)	0.0025 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone (Methyl Butyl Ketone)	NA	ND (0.02) J	ND (0.016) J	ND (0.0098) J	ND (0.0076) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	ND (0.02)	ND (0.016)	ND (0.0098)	ND (0.0076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	2.2	ND (0.02)	ND (0.016)	ND (0.0098)	0.014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	NA	ND (0.0082)	ND (0.0064)	ND (0.0039)	ND (0.003)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	70	ND (0.001)	ND (0.0008)	ND (0.00049)	ND (0.00038)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromobenzene	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	NA	ND (0.001)	ND (0.0008)	ND (0.00049)	ND (0.00038)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	NA	ND (0.0082)	ND (0.0064)	ND (0.0039)	ND (0.003)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl Bromide)	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	NA	ND (0.02)	ND (0.016)	ND (0.0098)	ND (0.0076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	ND (0.0013)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.0015)	ND (0.054)	ND (0.055)	ND (0.0013)	ND (0.045)	ND (0.0011)	ND (0.054)	ND (0.056)	ND (0.063)	ND (0.0014)	ND (0.056)	ND (0.00099)
Chlorobenzene	40	ND (0.001)	ND (0.0008)	ND (0.00049)	ND (0.00038)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobromomethane	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	12	ND (0.0031)	ND (0.0024)	ND (0.0015)	ND (0.0011)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl Chloride)	NA	ND (0.0082)	ND (0.0064)	ND (0.0039)	ND (0.003)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	ND (0.0013) J	0.0054	0.013	0.014	0.013 J	0.26	0.063	0.002	0.053	0.00099 J	0.24	0.97	0.12	0.00034 J	ND (0.056)	0.0013
cis-1,3-Dichloropropene	NA	ND (0.001)	ND (0.0008)	ND (0.00049)	ND (0.00038)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	0.00068 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromomethane	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	NA	ND (0.02)	ND (0.016)	ND (0.0098)	ND (0.0076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Ether	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	ND (0.0082)	ND (0.0064)	ND (0.0039)	ND (0.003)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene (Cumene)	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether (MTBE)	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride (Dichloromethane)	12	ND (0.01)	ND (0.008)	ND (0.0049)	ND (0.0038)	-	ND (0.0064)	ND (0.0051)	ND (0.0072)	ND (0.0052)	ND (0.0073)	ND (0.27)	ND (0.27)	ND (0.0067)	ND (0.22)	ND (0.0053)	ND (0.27)	ND (0.28)	ND (0.31)	ND (0.0068)	ND (0.28)	ND (0.0049)
Naphthalene	NA	ND (0.0082) J	0.02 J	ND (0.0039)	ND (0.003)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	NA	ND (0.0041)	ND (0.0032)	ND (0.002)	ND (0.0015)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	2	ND (0.001)	ND (0.0008)	ND (0.00049)	ND (0.00038)	-	0.0078 J	0.052	0.014	0.013	0.34 J	27	1.3	0.036	7.7	0.041	14	72	3.2	0.15	5.8	0.0046
Toluene	36	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	NA	ND (0.0031)	ND (0.0024)	ND (0.0015)	ND (0.0011)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,4-Dichloro-2-butene	NA	ND (0.01)	ND (0.008)	ND (0.0049)	ND (0.0038)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	2	ND (0.001)	ND (0.0008)	ND (0.00049)	ND (0.00038)	-	ND (0.00064)	0.0079	0.0032	0.003	0.032 J	1.2	0.15	0.0049	0.39	0.005	1.4	3	0.22	0.0066	0.079	0.0043
Trichlorofluoromethane (CFC-11)	NA	ND (0.0082)	ND (0.0064)	ND (0.0039)	ND (0.003)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	NA	ND (0.02) J	ND (0.016) J	ND (0.0098) J	ND (0.0076) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	NA	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	ND (0.0013)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.0015)	ND (0.054)	ND (0.055)	ND (0.0013)	ND (0.045)	ND (0.0011)	ND (0.054)	ND (0.056)	ND (0.063)	ND (0.0014)	ND (0.056)	ND (0.00099)
Xylene (Total)	0.26	ND (0.002)	ND (0.0016)	ND (0.00098)	ND (0.00076)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 3
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																						
Location Name	Restricted Use Soil	B-15_D	B-15_D	B-15_D	B-15_D	B-21_D	B-23	B-23	B-23	B-23	DB-02	DB-02	DB-02	DB-02A	DB-02A	DB-02A	DB-03A	DB-03A	DB-03A	DB-03B	DB-03B	DB-03B
Sample Name	Cleanup Objectives -	B-15_D_0-2	DUP-01_20250204	B-15_D_2-4	B-15_D_10-12	B-21_D_0-2	B-23_0-2_RS	B-23_3-5_RS	B-23_7-9_RS	DUP-03_20260316	DB-02_0-2	DB-02_3-5	DB-02_7-9	DB-02A_0-2	DB-02A_3-5	DB-02A_7-9	DB-03A_0-2	DB-03A_3-5	DB-03A_7-9	DB-03B_0-2	DB-03B_3-5	DB-03B_7-9
Sample Date	Protection Ecological	02/04/2026	02/04/2026	02/04/2026	02/04/2026	02/06/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026
Lab Sample ID	Resources	L2606227-04	L2606227-05	L2606227-06	L2606227-07	L2606929-01	L2614270-16	L2614270-17	L2614270-18	L2614270-19	L2614270-26	L2614270-27	L2614270-28	L2614270-29	L2614270-30	L2614270-31	L2614270-10	L2614270-11	L2614270-12	L2614270-13	L2614270-14	L2614270-15
Sample Depth (bgs)	2025	0 - 2 (ft)	0 - 2 (ft)	2 - 4 (ft)	10 - 12 (ft)	0 - 2 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)
Semi-Volatile Organic Compounds (mg/kg)																						
1,2,4,5-Tetrachlorobenzene	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	20	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dioxane	0.1	ND (0.027)	ND (0.027)	ND (0.028)	ND (0.027)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.21)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	ND (0.87)	ND (0.86)	ND (0.89)	ND (0.85)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	0.085 J	0.055 J	ND (0.22)	ND (0.21)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	NA	ND (0.39)	ND (0.39)	ND (0.4)	ND (0.38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	ND (0.26)	ND (0.26)	ND (0.27)	ND (0.26)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	0.18 R	0.18 R	0.18 R	0.18 R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	ND (0.47)	ND (0.47)	ND (0.48)	ND (0.46)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	NA	0.18 R	0.18 R	0.18 R	0.18 R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND (0.25)	ND (0.25)	ND (0.26)	ND (0.25)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	20	0.12 J	0.16	0.028 J	ND (0.14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	NA	0.09 J	0.057 J	0.36	ND (0.14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NA	0.27	0.29	0.2	ND (0.11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	NA	0.67	0.77	0.42	ND (0.11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2.6	0.62	0.66	0.46	ND (0.14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	NA	0.83	0.96	0.54	ND (0.11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	NA	0.38	0.38	0.27	ND (0.14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	0.21	0.19	0.15	ND (0.11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	NA	ND (0.59)	ND (0.58)	ND (0.6)	ND (0.58)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl Alcohol	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Biphenyl	NA	ND (0.41)	ND (0.41)	ND (0.42)	ND (0.4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	0.08 J	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	0.11 J	0.15 J	0.038 J	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	NA	0.65	0.68	0.44	ND (0.11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	0.081 J	0.092 J	0.062 J	ND (0.11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	NA	0.068 J	0.076 J	0.018 J	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dimethyl phthalate	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NA	1.3	1.4	0.65	ND (0.11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	30	0.11 J	0.13 J	0.041 J	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	NA	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	ND (0.52)	ND (0.52)	ND (0.53)	ND (0.51)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	NA	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	NA	0.36	0.39	0.25	ND (0.14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	NA	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	NA	0.12 J	0.08 J	0.025 J	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrobenzene	2	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	0.8	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	NA	1.2	1.1	0.29	ND (0.11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	30	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	NA	1.1	1.2	0.81	ND (0.11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 3
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																					
Location Name	Restricted Use Soil	B-15_D	B-15_D	B-15_D	B-15_D	B-21_D	B-23	B-23	B-23	B-23	DB-02	DB-02	DB-02	DB-02A	DB-02A	DB-02A	DB-03A	DB-03A	DB-03A	DB-03B	DB-03B	DB-03B
Sample Name	Cleanup Objectives -	B-15_D_0-2	DUP-01_20250204	B-15_D_2-4	B-15_D_10-12	B-21_D_0-2	B-23_0-2_RS	B-23_3-5_RS	B-23_7-9_RS	DUP-03_20260316	DB-02_0-2	DB-02_3-5	DB-02_7-9	DB-02A_0-2	DB-02A_3-5	DB-02A_7-9	DB-03A_0-2	DB-03A_3-5	DB-03A_7-9	DB-03B_0-2	DB-03B_3-5	DB-03B_7-9
Sample Date	Protection Ecological	02/04/2026	02/04/2026	02/04/2026	02/04/2026	02/06/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026
Lab Sample ID	Resources	L2606227-04	L2606227-05	L2606227-06	L2606227-07	L2606929-01	L2614270-16	L2614270-17	L2614270-18	L2614270-19	L2614270-26	L2614270-27	L2614270-28	L2614270-29	L2614270-30	L2614270-31	L2614270-10	L2614270-11	L2614270-12	L2614270-13	L2614270-14	L2614270-15
Sample Depth (bgs)	2025	0 - 2 (ft)	0 - 2 (ft)	2 - 4 (ft)	10 - 12 (ft)	0 - 2 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)
PFAS (mg/kg)																						
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.000782)	ND (0.000798)	ND (0.000798)	ND (0.0008)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.00489)	ND (0.00499)	ND (0.00499)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.00489)	ND (0.00499)	ND (0.00499)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.000978)	ND (0.000998)	ND (0.000998)	ND (0.001)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.000782)	ND (0.000798)	ND (0.000798)	ND (0.0008)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.000782)	ND (0.000798)	ND (0.000798)	ND (0.0008)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.000782)	ND (0.000798)	ND (0.000798)	ND (0.0008)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	ND (0.000782)	ND (0.000798)	ND (0.000798)	ND (0.0008)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.000782)	ND (0.000798)	ND (0.000798)	ND (0.0008)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.000196)	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.000196)	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00196)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NA	ND (0.000196)	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.000196)	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00196)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	0.000391 R	0.000399 R	0.000399 R	0.0004 R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.000391)	ND (0.000399)	ND (0.000399)	ND (0.0004)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.000391)	ND (0.000399)	ND (0.000399)	ND (0.0004)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.000782)	ND (0.000798)	ND (0.000798)	ND (0.0008)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.000391)	ND (0.000399)	ND (0.000399)	ND (0.0004)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.000196)	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	ND (0.000782)	ND (0.000798)	ND (0.000798)	ND (0.0008)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.000196)	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	0.000061 J	0.000236	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.000196)	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	ND (0.000196)	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.000196)	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	0.000127 J	0.00018 J	ND (0.0002)	0.00008 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	0.000057 J	ND (0.0002)	0.000052 J	0.000088 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	ND (0.000196)	0.00022	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.000196)	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	0.000217	0.000293	0.000122 J	0.000072 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.000196)	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	NA	0.00201 J	0.00294 J	0.0017 J	0.000868 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	NA	0.00131	0.0011	0.000814	0.00213	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.000196)	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	0.000172 J	0.0002 J	0.000084 J	ND (0.0004)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	ND (0.000196)	ND (0.0002)	ND (0.0002) J	ND (0.0002) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	ND (0.000196)	ND (0.0002)	ND (0.0002) J	ND (0.0002) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	ND (0.000196)	0.0001 J	ND (0.0002)	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pesticides (mg/kg)																						
4,4'-DDD	0.0033	ND (0.0017)	ND (0.00166)	ND (0.00173)	ND (0.00162)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4'-DDE	0.0033	ND (0.0017)	ND (0.00166)	ND (0.00173)	ND (0.00162)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4'-DDT	0.0033	ND (0.0017)	ND (0.00166)	ND (0.00173)	ND (0.00162)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aldrin	0.14	ND (0.0017)	ND (0.00166)	ND (0.00173)	ND (0.00162)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
alpha-BHC	0.04	ND (0.000706)	ND (0.000691)	ND (0.000721)	ND (0.000674)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
alpha-Chlordane (cis)	1.3	0.00115 J	ND (0.00207)	ND (0.00216)	ND (0.00202)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
beta-BHC	0.6	ND (0.0017)	ND (0.00166)	ND (0.00173)	ND (0.00162)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane	NA	ND (0.0141)	ND (0.0138)	ND (0.0144)	ND (0.0135)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
delta-BHC	0.04	ND (0.0017)	ND (0.00166)	ND (0.00173)	ND (0.00162)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	0.006	ND (0.00106)	ND (0.00104)	ND (0.00108)	ND (0.00101)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	NA	ND (0.0017)	ND (0.00166)	ND (0.00173)	ND (0.00162)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	NA	ND (0.0017)	ND (0.00166)	ND (0.00173)	ND (0.00162)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan sulfate	NA	ND (0.000706)	ND (0.000691)	ND (0.000721)	ND (0.000674)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	0.014	ND (0.000706)	ND (0.000691)	ND (0.000721)	ND (0.000674)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin aldehyde	NA	ND (0.00212)	ND (0.00207)	ND (0.00216)	ND (0.00202)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	NA	ND (0.0017)	ND (0.00166)	ND (0.00173)	ND (0.00162)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
gamma-BHC (Lindane)	6	ND (0.000706)	ND (0.000691)	ND (0.000721)	ND (0.000674)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane (trans)	NA	0.001 J	ND (0.00207)	ND (0.00216)	ND (0.00202)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.14	ND (0.000848)	ND (0.00083)	ND (0.000865)	ND (0.000808)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor epoxide	NA	ND (0.00318)	ND (0.00311)	ND (0.00324)	ND (0.00303)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	NA	ND (0.00318)	ND (0.00311)	ND (0.00324)	ND (0.00303)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxaphene	NA	ND (0.0318)	ND (0.0311)	ND (0.0324)	ND (0.0303)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls (mg/kg)																						
Aroclor-1016 (PCB-1016)	NA	ND (0.0505)	ND (0.0519)	ND (0.0523)	ND (0.0496)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	ND (0.0505)	ND (0.0519)	ND (0.0523)	ND (0.0496)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	ND (0.0505)	ND (0.0519)	ND (0.0523)	ND (0.0496)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	ND (0.0505)	ND (0.0519)	ND (0.0523)	ND (0.0496)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	ND (0.0505)	ND (0.0519)	ND (0.0523)	ND (0.0496)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	ND (0.0505)	ND (0.0519)	ND (0.0523)	ND (0.0496)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	0.101	ND (0.0519)	ND (0.0523)	ND (0.0496)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	ND (0.0505)	ND (0.0519)	ND (0.0523)	ND (0.0496)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	ND (0.0505)	ND (0.0519)	ND (0.0523)	ND (0.0496)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	0.101	ND (0.0519)	ND (0.0523)	ND (0.0496)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 3
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																					
Location Name	Restricted Use Soil	B-15_D	B-15_D	B-15_D	B-15_D	B-21_D	B-23	B-23	B-23	B-23	DB-02	DB-02	DB-02	DB-02A	DB-02A	DB-02A	DB-03A	DB-03A	DB-03A	DB-03B	DB-03B	DB-03B
Sample Name	Cleanup Objectives -	B-15_D_0-2	DUP-01_20250204	B-15_D_2-4	B-15_D_10-12	B-21_D_0-2	B-23_0-2_RS	B-23_3-5_RS	B-23_7-9_RS	DUP-03_20260316	DB-02_0-2	DB-02_3-5	DB-02_7-9	DB-02A_0-2	DB-02A_3-5	DB-02A_7-9	DB-03A_0-2	DB-03A_3-5	DB-03A_7-9	DB-03B_0-2	DB-03B_3-5	DB-03B_7-9
Sample Date	Protection Ecological	02/04/2026	02/04/2026	02/04/2026	02/04/2026	02/06/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026	03/16/2026
Lab Sample ID	Resources	L2606227-04	L2606227-05	L2606227-06	L2606227-07	L2606929-01	L2614270-16	L2614270-17	L2614270-18	L2614270-19	L2614270-26	L2614270-27	L2614270-28	L2614270-29	L2614270-30	L2614270-31	L2614270-10	L2614270-11	L2614270-12	L2614270-13	L2614270-14	L2614270-15
Sample Depth (bgs)	2025	0 - 2 (ft)	0 - 2 (ft)	2 - 4 (ft)	10 - 12 (ft)	0 - 2 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)
Inorganic Compounds (mg/kg)																						
Aluminum	NA	5000	3320	6040	4100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	NA	ND (4.31) J	ND (4.28) J	ND (4.34) J	ND (4.02) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	13	7.01 J-	7.08 J-	2.31 J-	1.72 J-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	433	173 J	62.9 J	24.6	12.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	10	0.28 J	0.23 J	0.254 J	0.245 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	4	2.36	1.8	0.127 J	0.077 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NA	11600 J+	19400 J+	902 J+	979 J+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	25.7 J	54.9 J	8.33	11.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	20	ND (0.88)	ND (0.874)	ND (0.91)	ND (0.856)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	NA	4.81	4.74	3.71	3.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	50	152 J+	229 J+	6.43 J+	9.9 J+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NA	16700	19800	10900	8530	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	63	528 J+	314 J+	21.3 J+	5.01 J+	31.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	NA	6540 J+	10300 J+	1820 J+	1960 J+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	1600	212	188	114	126	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	0.18	4.93 J	0.333 J	0.135	ND (0.075)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	30	49.5	39.7	9.25	9.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	NA	949 J	537 J	407	523	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	3.9	0.459 J	0.288 J	ND (1.74)	ND (1.61)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	2	0.691	1.01	ND (0.434)	ND (0.402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NA	ND (172)	ND (171)	ND (174)	ND (161)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	NA	ND (1.72)	ND (1.71)	ND (1.74)	ND (1.61)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	NA	23	34.2	11.7	11.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	109	1050	783	42.9	23.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)																						
Lead	NA	0.03 J	0.0338 J	-	-	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other																						
Total Solids (%)	NA	90.9	91.5	87.9	93.5	91.4	83.2	94.1	88.5	89	90.6	91.5	91.4	85.3	93	91.9	88.9	94.1	92.5	85.5	93.8	91.5
Cyanide (mg/kg)	NA	ND (1) J	ND (1.1) J	ND (1.1) J	ND (1) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram
mg/L: milligram per liter
-: Not Analyzed
B: Compound was found in the blank and the associated sample.
bgs: below ground surface
F: Results are considered to be an estimated maximum concentration
ft: feet
I: The lower value for the two columns has been reported due to obvious interference.
J-: Value is estimated, low bias.
J: Value is estimated.
J+: Value is estimated, high bias.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
P: The RPD between the results for the two columns exceeds the method-specified criteria.
R: Rejected

- 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 Protection of Ecological Resources Soil Cleanup Objectives (SCO).
- Grey shading indicates an exceedance of the Protection of Ecological Resources Soil Cleanup Objectives (SCO).

TABLE 3
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																			
Location Name	Restricted Use Soil	RI-SB-01	RI-SB-01	RI-SB-01	RI-SB-02	RI-SB-02	RI-SB-02	RI-SB-03	RI-SB-03	RI-SB-03	RI-SB-04	RI-SB-04	RI-SB-04	RI-SB-04	RI-SB-05	RI-SB-05	RI-SB-05	RI-SB-05	RI-SB-06
Sample Name	Cleanup Objectives -	RI-SB-01_0-2	RI-SB-01_2-4	RI-SB-01_10-12	RI-SB-02_0-2	RI-SB-02_7-9	RI-SB-02_13-15	RI-SB-03_0-2	RI-SB-03_3-5	RI-SB-03_10-12	RI-SB-04_0-2	RI-SB-04_10-12	DUP-02_20260204	RI-SB-04_18-20	RI-SB-05_0-2	DUP-04_20260206	RI-SB-05_7-9	RI-SB-05_13-15	RI-SB-06_0-2
Sample Date	Protection Ecological	02/03/2026	02/03/2026	02/03/2026	02/06/2026	02/06/2026	02/06/2026	02/03/2026	02/03/2026	02/03/2026	02/04/2026	02/04/2026	02/04/2026	02/04/2026	02/06/2026	02/06/2026	02/06/2026	02/06/2026	02/13/2026
Lab Sample ID	Resources	L2605921-01	L2605921-02	L2605921-03	L2606929-09	L2606929-10	L2606929-11	L2605921-07	L2605921-08	L2605921-09	L2606227-11	L2606227-12	L2606227-13	L2606227-14	L2606929-05	L2606929-06	L2606929-07	L2606929-08	L2608265-05
Sample Depth (bgs)	2025	0 - 2 (ft)	2 - 4 (ft)	10 - 12 (ft)	0 - 2 (ft)	7 - 9 (ft)	13 - 15 (ft)	0 - 2 (ft)	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	10 - 12 (ft)	18 - 20 (ft)	0 - 2 (ft)	0 - 2 (ft)	7 - 9 (ft)	13 - 15 (ft)	2 - 2 (ft)
Volatile Organic Compounds (mg/kg)																			
1,1,1,2-Tetrachloroethane	NA	ND (0.00055)	ND (0.00046)	ND (0.00056)	ND (0.00088)	ND (0.00052)	ND (0.00056)	ND (0.0006)	ND (0.00057)	ND (0.00062)	ND (0.00046)	ND (0.00053)	ND (0.00057)	ND (0.00046)	ND (0.00086)	ND (0.00056)	ND (0.00053)	ND (0.00057)	ND (0.0005)
1,1,1-Trichloroethane	NA	0.00042 J	0.00063	ND (0.00056)	ND (0.00088)	ND (0.00052)	ND (0.00056)	ND (0.0006)	ND (0.00057)	ND (0.00062)	ND (0.00046)	0.00018 J	ND (0.00057)	0.00052	ND (0.00086)	ND (0.00056)	ND (0.00053)	ND (0.00057)	ND (0.0005)
1,1,2,2-Tetrachloroethane	NA	ND (0.00055)	ND (0.00046)	ND (0.00056)	ND (0.00088)	ND (0.00052)	ND (0.00056)	ND (0.0006)	ND (0.00057)	ND (0.00062)	ND (0.00046)	ND (0.00053)	ND (0.00057)	ND (0.00046)	ND (0.00086)	ND (0.00056)	ND (0.00053)	ND (0.00057)	ND (0.0005)
1,1,2-Trichloroethane	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)
1,1-Dichloroethane	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)
1,1-Dichloroethene	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)
1,1-Dichloropropene	NA	ND (0.00055)	ND (0.00046)	ND (0.00056)	ND (0.00088)	ND (0.00052)	ND (0.00056)	ND (0.0006)	ND (0.00057)	ND (0.00062)	ND (0.00046)	ND (0.00053)	ND (0.00057)	ND (0.00046)	ND (0.00086)	ND (0.00056)	ND (0.00053)	ND (0.00057)	ND (0.0005)
1,2,3-Trichlorobenzene	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)
1,2,3-Trichloropropane	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)
1,2,4,5-Tetramethylbenzene	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	0.00086 J
1,2,4-Trichlorobenzene	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)
1,2,4-Trimethylbenzene	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	NA	ND (0.0033)	ND (0.0028)	ND (0.0034)	ND (0.0053)	ND (0.0031)	ND (0.0034)	ND (0.0036)	ND (0.0034)	ND (0.0037)	ND (0.0028)	ND (0.0032)	ND (0.0034)	ND (0.0028)	ND (0.0052)	ND (0.0033)	ND (0.0032)	ND (0.0034)	ND (0.003)
1,2-Dibromoethane (Ethylene Dibromide)	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)
1,2-Dichlorobenzene	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)
1,2-Dichloroethane	10	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)
1,2-Dichloroethene (total)	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	0.0003 J	0.0033	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	0.00028 J	ND (0.0011)	ND (0.001)
1,2-Dichloropropane	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)
1,3,5-Trimethylbenzene	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)
1,3-Dichlorobenzene	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)
1,3-Dichloropropane	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)
1,3-Dichloropropene	NA	ND (0.00055)	ND (0.00046)	ND (0.00056)	ND (0.00088)	ND (0.00052)	ND (0.00056)	ND (0.0006)	ND (0.00057)	ND (0.00062)	ND (0.00046)	ND (0.00053)	ND (0.00057)	ND (0.00046)	ND (0.00086)	ND (0.00056)	ND (0.00053)	ND (0.00057)	ND (0.0005)
1,4-Dichlorobenzene	20	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)
1,4-Diethylbenzene	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)
1,4-Dioxane	0.1	ND (0.088)	ND (0.074)	ND (0.09)	ND (0.14)	ND (0.083)	ND (0.09)	ND (0.096)	ND (0.091)	ND (0.098)	ND (0.074)	ND (0.085)	ND (0.091)	ND (0.073)	ND (0.14)	ND (0.089)	ND (0.085)	ND (0.091)	ND (0.081)
2,2-Dichloropropane	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)
2-Butanone (Methyl Ethyl Ketone)	100	ND (0.011)	ND (0.0093)	ND (0.011)	ND (0.018) J	ND (0.01) J	ND (0.011) J	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.0092)	ND (0.011)	ND (0.011)	ND (0.0092)	ND (0.017) J	ND (0.011) J	ND (0.011) J	ND (0.011) J	ND (0.01)
2-Chlorotoluene	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)
2-Hexanone (Methyl Butyl Ketone)	NA	ND (0.011)	ND (0.0093)	ND (0.011)	ND (0.018)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.0092) J	ND (0.011) J	ND (0.011) J	ND (0.0092) J	ND (0.017)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)
2-Phenylbutane (sec-Butylbenzene)	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)
4-Chlorotoluene	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	ND (0.011)	ND (0.0093)	ND (0.011)	ND (0.018)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.0092)	ND (0.011)	ND (0.011)	ND (0.0092)	ND (0.017)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)
Acetone	2.2	ND (0.011)	ND (0.0093)	ND (0.011)	ND (0.018)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.0092)	ND (0.011)	ND (0.011)	ND (0.0092)	ND (0.017)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)
Acrylonitrile	NA	ND (0.0044)	ND (0.0037)	ND (0.0045)	ND (0.007)	ND (0.0041)	ND (0.0045)	ND (0.0048)	ND (0.0046)	ND (0.0049)	ND (0.0037)	ND (0.0043)	ND (0.0045)	ND (0.0037)	ND (0.0069)	ND (0.0044)	ND (0.0043)	ND (0.0046)	ND (0.004)
Benzene	70	ND (0.00055)	ND (0.00046)	ND (0.00056)	ND (0.00088)	0.00065	ND (0.00056)	ND (0.0006)	ND (0.00057)	ND (0.00062)	ND (0.00046)	ND (0.00053)	ND (0.00057)	ND (0.00046)	0.00038 J	0.00025 J	ND (0.00053)	ND (0.00057)	ND (0.0005)
Bromobenzene	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)
Bromodichloromethane	NA	ND (0.00055)	ND (0.00046)	ND (0.00056)	ND (0.00088)	ND (0.00052)	ND (0.00056)	ND (0.0006)	ND (0.00057)	ND (0.00062)	ND (0.00046)	ND (0.00053)	ND (0.00057)	ND (0.00046)	ND (0.00086)	ND (0.00056)	ND (0.00053)	ND (0.00057)	ND (0.0005)
Bromoform	NA	ND (0.0044)	ND (0.0037)	ND (0.0045)	ND (0.007)	ND (0.0041)	ND (0.0045)	ND (0.0048)	ND (0.0046)	ND (0.0049)	ND (0.0037)	ND (0.0043)	ND (0.0045)	ND (0.0037)	ND (0.0069)	ND (0.0044)	ND (0.0043)	ND (0.0046)	ND (0.004)
Bromomethane (Methyl Bromide)	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)
Carbon disulfide	NA	ND (0.011)	ND (0.0093)	ND (0.011)	ND (0.018)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.0092)	ND (0.011)	ND (0.011)	ND (0.0092)	ND (0.017)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)
Carbon tetrachloride	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)
Chlorobenzene	40	ND (0.00055)	ND (0.00046)	ND (0.00056)	ND (0.00088)	ND (0.00052)	ND (0.00056)	ND (0.0006)	ND (0.00057)	ND (0.00062)	ND (0.00046)	ND (0.00053)	ND (0.00057)	ND (0.00046)	ND (0.00086)	ND (0.00056)	ND (0.00053)	ND (0.00057)	ND (0.0005)
Chlorobromomethane	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)
Chloroethane	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)
Chloroform (Trichloromethane)	12	ND (0.0016)	ND (0.0014)	ND (0.0017)	ND (0.0026)	ND (0.0016)	ND (0.0017)	ND (0.0018)	ND (0.0017)	ND (0.0018)	ND (0.0014)	ND (0.0016)	ND (0.0017)	ND (0.0014)	ND (0.0026)	ND (0.0017)	ND (0.0016)	ND (0.0017)	ND (0.0015)
Chloromethane (Methyl Chloride)	NA	ND (0.0044)	ND (0.0037)	ND (0.0045)	ND (0.007)	ND (0.0041)	ND (0.0045)	ND (0.0048)	ND (0.0046)	ND (0.0049)	ND (0.0037)	ND (0.0043)	ND (0.0045)	ND (0.0037)	ND (0.0069)	ND (0.0044)	ND (0.0043)	ND (0.0046)	ND (0.004)
cis-1,2-Dichloroethene	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	0.0003 J	0.0033	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	0.00028 J	ND (0.0011)	ND (0.001)
cis-1,3-Dichloropropene	NA	ND (0.00055)	ND (0.00046)	ND (0.00056)	ND (0.00088)	ND (0.00052)	ND (0.00056)	ND (0.0006)	ND (0.00057)	ND (0.00062)	ND (0.00046)	ND (0.00053)	ND (0.00057)	ND (0.00046)	ND (0.00086)	ND (0.00056)	ND (0.00053)	ND (0.00057)	ND (0.0005)
Cymene (p-Isopropyltoluene)	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	0.00042 J
Dibromochloromethane	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)
Dibromomethane	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)
Dichlorodifluoromethane (CFC-12)	NA	ND (0.011)	ND (0.0093)	ND (0.011)	ND (0.018)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.0092)	ND (0.011)	ND (0.011)	ND (0.0092)	ND (0.017)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)
Ethyl Ether	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)
Ethylbenzene	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)
Hexachlorobutadiene	NA	ND (0.0044)	ND (0.0037)	ND (0.0045)	ND (0.007)	ND (0.0041)	ND (0.0045)	ND (0.0048)	ND (0.0046)	ND (0.0049)	ND (0.0037)	ND (0.0043)	ND (0.0045)	ND (0.0037)	ND (0.0069)	ND (0.0044)	ND (0.0043)	ND (0.0046)	ND (0.004)
Isopropylbenzene (Cumene)	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)
m,p-Xylenes	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)
Methyl Tert Butyl Ether (MTBE)	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)
Methylene chloride (Dichloromethane)	12	ND (0.0055)	ND (0.0046)	ND (0.0056)	ND (0.0088)	ND (0.0052)	ND (0.0056)	ND (0.006)	ND (0.0057)	ND (0.0062)	ND (0.0046)	ND (0.0053)	ND (0.0057)	ND (0.0046)	ND (0.0086)	ND (0.0056)	ND (0.0053)	ND (0.0057)	ND (0.005)
Naphthalene	NA	ND (0.0044)	ND (0.0037)	ND (0.0045)	ND (0.007)	ND (0.0041)	ND (0.0045)	ND (0.0048)	ND (0.0046)	ND (0.0049)	ND (0.0037)	ND (0.0043)	ND (0.0045)	ND (0.0037)	ND (0.0069)	ND (0.0044)	ND (0.0043)	ND (0.0046)	ND (0.004)
n-Butylbenzene	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)
n-Propylbenzene	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)
o-Xylene	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)
Styrene	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)
tert-Butylbenzene	NA	ND (0.0022)	ND (0.0018)	ND (0.0022)	ND (0.0035)	ND (0.0021)	ND (0.0022)	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.0018)	ND (0.0021)	ND (0.0023)	ND (0.0018)	ND (0.0035)	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.002)
Tetrachloroethene	2	ND (0.00055)	ND (0.00046)	ND (0.00056)	ND (0.00088)	0.0042	0.022	ND (0.0006)	ND (0.00057)	ND (0.00062)	ND (0.00046)	ND (0.00053)	ND (0.00057)	ND (0.00046)	0.033	0.021	0.0099	0.0071	ND (0.0005)
Toluene	36	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)
trans-1,2-Dichloroethene	NA	ND (0.0016)	ND (0.0014)	ND (0.0017)	ND (0.0026)	ND (0.0016)	ND (0.0017)	ND (0.0018)	ND (0.0017)	ND (0.0018)	ND (0.0014)	ND (0.0016)	ND (0.0017)	ND (0.0014)	ND (0.0026)	ND (0.0017)	ND (0.0016)	ND (0.0017)	ND (0.0015)
trans-1,3-Dichloropropene	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)
trans-1,4-Dichloro-2-butene	NA	ND (0.0055)	ND (0.0046)	ND (0.0056)	ND (0.0088)	ND (0.0052)	ND (0.0056)	ND (0.006)	ND (0.0057)	ND (0.0062)	ND (0.0046)	ND (0.0053)	ND (0.0057)	ND (0.0046)	ND (0.0086)	ND (0.0056)	ND (0.0053)	ND (0.0057)	ND (0.005)
Trichloroethene	2	ND (0.00055)	ND (0.00046)	ND (0.00056)	ND (0.00088)	0.00028 J	0.0063	ND (0.0006)	ND (0.00057)	ND (0.00062)	ND (0.00046)	ND (0.00053)	ND (0.00057)	0.00016 J	0.00092	0.00092	0.0018	0.00069	ND (0.0005)
Trichlorofluoromethane (CFC-11)	NA	ND (0.0044)	ND (0.0037)	ND (0.0045)	ND (0.007)	ND (0.0041)	ND (0.0045)	ND (0.0048)	ND (0.0046)	ND (0.0049)	ND (0.0037)	ND (0.0043)	ND (0.0045)	ND (0.0037)	ND (0.0069)	ND (0.0044)	ND (0.0043)	ND (0.0046)	ND (0.004)
Vinyl acetate	NA	ND (0.011)	ND (0.0093)	ND (0.011)	ND (0.018)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.0092) J	ND (0.011) J	ND (0.011) J	ND (0.0092) J	ND (0.017)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)
Vinyl chloride	NA	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)
Xylene (Total)	0.26	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0018)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.00092)	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0017)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.001)

TABLE 3
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																			
Location Name	Restricted Use Soil	RI-SB-01	RI-SB-01	RI-SB-01	RI-SB-02	RI-SB-02	RI-SB-02	RI-SB-03	RI-SB-03	RI-SB-03	RI-SB-04	RI-SB-04	RI-SB-04	RI-SB-04	RI-SB-05	RI-SB-05	RI-SB-05	RI-SB-05	RI-SB-06
Sample Name	Cleanup Objectives -	RI-SB-01_0-2	RI-SB-01_2-4	RI-SB-01_10-12	RI-SB-02_0-2	RI-SB-02_7-9	RI-SB-02_13-15	RI-SB-03_0-2	RI-SB-03_3-5	RI-SB-03_10-12	RI-SB-04_0-2	RI-SB-04_10-12	DUP-02_20260204	RI-SB-04_18-20	RI-SB-05_0-2	DUP-04_20260206	RI-SB-05_7-9	RI-SB-05_13-15	RI-SB-06_0-2
Sample Date	Protection Ecological	02/03/2026	02/03/2026	02/03/2026	02/06/2026	02/06/2026	02/06/2026	02/03/2026	02/03/2026	02/03/2026	02/04/2026	02/04/2026	02/04/2026	02/04/2026	02/06/2026	02/06/2026	02/06/2026	02/06/2026	02/13/2026
Lab Sample ID	Resources	L2605921-01	L2605921-02	L2605921-03	L2606929-09	L2606929-10	L2606929-11	L2605921-07	L2605921-08	L2605921-09	L2606227-11	L2606227-12	L2606227-13	L2606227-14	L2606929-05	L2606929-06	L2606929-07	L2606929-08	L2608265-05
Sample Depth (bgs)	2025	0 - 2 (ft)	2 - 4 (ft)	10 - 12 (ft)	0 - 2 (ft)	7 - 9 (ft)	13 - 15 (ft)	0 - 2 (ft)	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	10 - 12 (ft)	18 - 20 (ft)	0 - 2 (ft)	0 - 2 (ft)	7 - 9 (ft)	13 - 15 (ft)	2 - 2 (ft)
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
1,2,4-Trichlorobenzene	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
1,2-Dichlorobenzene	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
1,3-Dichlorobenzene	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
1,4-Dichlorobenzene	20	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
1,4-Dioxane	0.1	ND (0.027)	ND (0.026)	ND (0.026)	ND (0.026)	ND (0.54)	ND (0.027)	ND (0.026)	ND (0.027)	ND (0.029)	ND (0.027)	ND (0.032)	ND (0.029)	ND (0.028)	ND (0.054)	ND (0.052)	ND (0.028)	ND (0.027)	ND (0.029)
2,2'-oxybis(1-Chloropropane)	NA	ND (0.22)	ND (0.21)	ND (0.21)	ND (0.21)	ND (4.3)	ND (0.22)	ND (0.21)	ND (0.21)	ND (0.23)	ND (0.22)	ND (0.26)	ND (0.23)	ND (0.22)	ND (0.43)	ND (0.41)	ND (0.22)	ND (0.22)	ND (0.23)
2,4,5-Trichlorophenol	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
2,4,6-Trichlorophenol	NA	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.1)	ND (2.2)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.13)	ND (0.11)	ND (0.11)	ND (0.21)	ND (0.21)	ND (0.11)	ND (0.11)	ND (0.12)
2,4-Dichlorophenol	NA	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.16)	ND (3.2)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.16)	ND (0.2)	ND (0.17)	ND (0.17)	ND (0.32)	ND (0.31)	ND (0.16)	ND (0.16)	ND (0.17)
2,4-Dimethylphenol	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
2,4-Dinitrophenol	NA	ND (0.86)	ND (0.82)	ND (0.85)	ND (0.84)	ND (17)	ND (0.87)	ND (0.83)	ND (0.85)	ND (0.92)	ND (0.87)	ND (1)	ND (0.92)	ND (0.9)	ND (1.7)	ND (1.6)	ND (0.88)	ND (0.87)	ND (0.93)
2,4-Dinitrotoluene	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
2,6-Dinitrotoluene	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
2-Chloronaphthalene	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
2-Chlorophenol	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
2-Methylnaphthalene	NA	ND (0.22)	ND (0.21)	ND (0.21)	ND (0.21)	ND (4.3)	0.041 J	ND (0.21)	ND (0.21)	ND (0.23)	ND (0.22)	ND (0.26)	ND (0.23)	ND (0.22)	ND (0.43)	ND (0.41)	0.1 J	0.076 J	0.06 J
2-Methylphenol (o-Cresol)	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
2-Nitroaniline	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
2-Nitrophenol	NA	ND (0.39)	ND (0.37)	ND (0.38)	ND (0.38)	ND (7.8)	ND (0.39)	ND (0.37)	ND (0.38)	ND (0.42)	ND (0.39)	ND (0.47)	ND (0.41)	ND (0.4)	ND (0.77)	ND (0.74)	ND (0.4)	ND (0.39)	ND (0.42)
3&4-Methylphenol	NA	ND (0.26)	ND (0.25)	ND (0.25)	ND (0.25)	ND (5.2)	ND (0.26)	ND (0.25)	ND (0.26)	ND (0.28)	ND (0.26)	ND (0.31)	ND (0.28)	ND (0.27)	ND (0.52)	ND (0.5)	ND (0.26)	ND (0.26)	ND (0.28)
3,3'-Dichlorobenzidine	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	0.18 R	0.22 R	0.19 R	0.19 R	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
3-Nitroaniline	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
4,6-Dinitro-2-methylphenol	NA	ND (0.47)	ND (0.45)	ND (0.46)	ND (0.46)	ND (9.4)	ND (0.47)	ND (0.45)	ND (0.46)	ND (0.5)	ND (0.47)	ND (0.56)	ND (0.5)	ND (0.49)	ND (0.93)	ND (0.9)	ND (0.48)	ND (0.47)	ND (0.5)
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
4-Chloro-3-methylphenol	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
4-Chloroaniline	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	0.18 R	0.22 R	0.19 R	0.19 R	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
4-Chlorophenyl phenyl ether	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
4-Nitroaniline	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
4-Nitrophenol	NA	ND (0.25)	ND (0.24)	ND (0.25)	ND (0.24)	ND (5.1)	ND (0.25)	ND (0.24)	ND (0.25)	ND (0.27)	ND (0.25)	ND (0.3)	ND (0.27)	ND (0.26)	ND (0.5)	ND (0.48)	ND (0.26)	ND (0.25)	ND (0.27)
Acenaphthene	20	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	1.2 J	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.15)	0.027 J	0.023 J	ND (0.15)	ND (0.15)	ND (0.29)	0.085 J	0.13 J	0.13 J	0.023 J
Acenaphthylene	NA	0.03 J	ND (0.14)	ND (0.14)	0.05 J	ND (2.9)	0.051 J	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.14)	0.038 J	ND (0.15)	ND (0.15)	ND (0.29)	0.058 J	0.22	0.093 J	0.039 J
Acetophenone	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
Anthracene	NA	ND (0.11)	ND (0.1)	ND (0.11)	0.072 J	3.3	0.087 J	ND (0.1)	ND (0.11)	ND (0.12)	0.079 J	0.08 J	ND (0.11)	ND (0.11)	ND (0.21)	0.32	0.41	0.2	0.064 J
Benzo(a)anthracene	NA	0.14	0.024 J	ND (0.11)	0.28	7.8	0.27	0.032 J	ND (0.11)	ND (0.12)	0.35	0.24 J	0.042 J	ND (0.11)	0.22 J	1.2 J	1.3	0.73	0.22
Benzo(a)pyrene	2.6	0.14	ND (0.14)	ND (0.14)	0.23	6.6	0.27	ND (0.14)	ND (0.14)	ND (0.15)	0.35	0.23	ND (0.15)	ND (0.15)	0.19 J	0.99 J	1.4	0.73	0.24
Benzo(b)fluoranthene	NA	0.18	0.038 J	ND (0.11)	0.42	8.5	0.37	0.04 J	ND (0.11)	ND (0.12)	0.46	0.27 J	0.042 J	ND (0.11)	0.31 J	1.2 J	1.7	0.91	0.36
Benzo(g,h,i)perylene	NA	0.23	0.088 J	0.033 J	0.14	3.9	0.18	0.032 J	ND (0.14)	ND (0.15)	0.24	0.13 J	0.024 J	ND (0.15)	0.18 J	0.64 J	0.85	0.43	0.17
Benzo(k)fluoranthene	NA	0.064 J	ND (0.1)	ND (0.11)	0.12	2.8	0.12	ND (0.1)	ND (0.11)	ND (0.12)	0.14	0.088 J	ND (0.11)	ND (0.11)	0.12 J	0.47 J	0.52	0.3	0.095 J
Benzoic acid	NA	0.58 R	0.56 R	0.57 R	ND (0.57)	ND (12)	ND (0.59)	0.56 R	0.58 R	0.62 R	ND (0.59)	ND (0.7)	ND (0.62)	ND (0.61)	ND (1.2)	ND (1.1)	ND (0.6)	ND (0.59)	ND (0.63)
Benzyl Alcohol	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
Biphenyl	NA	ND (0.41)	ND (0.39)	ND (0.4)	ND (0.4)	ND (8.2)	ND (0.41)	ND (0.39)	ND (0.4)	ND (0.44)	ND (0.41)	ND (0.5)	ND (0.44)	ND (0.43)	ND (0.82)	ND (0.78)	0.029 J	0.024 J	ND (0.44)
bis(2-Chloroethoxy)methane	NA	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (3.9)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.2)	ND (0.23)	ND (0.21)	ND (0.2)	ND (0.39)	ND (0.37)	ND (0.2)	ND (0.2)	ND (0.21)
bis(2-Chloroethyl)ether	NA	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.16)	ND (3.2)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.16)	ND (0.2)	ND (0.17)	ND (0.17)	ND (0.32)	ND (0.31)	ND (0.16)	ND (0.16)	ND (0.17)
bis(2-Ethylhexyl)phthalate	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	0.074 J	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	0.52	0.091 J	0.11 J	0.27
Butyl benzylphthalate (BBP)	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
Carbazole	NA	0.019 J	ND (0.17)	ND (0.18)	0.019 J	0.9 J	0.021 J	ND (0.17)	ND (0.18)	ND (0.19)	0.042 J	0.022 J	ND (0.19)	ND (0.19)	ND (0.36)	0.061 J	0.13 J	0.072 J	0.051 J
Chrysene	NA	0.14	0.022 J	ND (0.11)	0.39	7.1	0.3	0.034 J	ND (0.11)	ND (0.12)	0.36	0.24 J	0.034 J	ND (0.11)	0.29 J	1.1 J	1.3	0.7	0.25
Dibenz(a,h)anthracene	NA	0.024 J	ND (0.1)	ND (0.11)	0.034 J	0.99 J	0.044 J	ND (0.1)	ND (0.11)	ND (0.12)	0.051 J	0.027 J	ND (0.11)	ND (0.11)	0.042 J	0.15 J	0.18	0.1 J	0.037 J
Dibenzofuran	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	0.58 J	0.023 J	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	0.04 J	0.092 J	0.071 J	0.018 J
Diethyl phthalate	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
Dimethyl phthalate	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
Di-n-butylphthalate (DBP)	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
Di-n-octyl phthalate (DnOP)	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
Fluoranthene	NA	0.26	0.032 J	ND (0.11)	0.37	15	0.49	0.056 J	ND (0.11)	ND (0.12)	0.64	0.44 J	0.072 J	ND (0.11)	0.44 J	1.9 J	2.6	1.4	0.47
Fluorene	30	ND (0.18)	ND (0.17)	ND (0.18)	0.02 J	1.3 J	0.026 J	ND (0.17)	ND (0.18)	ND (0.19)	0.024 J	0.028 J	ND (0.19)	ND (0.19)	ND (0.36)	0.09 J	0.14 J	0.09 J	0.028 J
Hexachlorobenzene	NA	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.1)	ND (2.2)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.13)	ND (0.11)	ND (0.11)	ND (0.21)	ND (0.21)	ND (0.11)	ND (0.11)	ND (0.12)
Hexachlorobutadiene	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
Hexachlorocyclopentadiene	NA	ND (0.52)	ND (0.49)	ND (0.5)	ND (0.5)	ND (10)	ND (0.52)	ND (0.49)	ND (0.51)	ND (0.55)	ND (0.52)	ND (0.62)	ND (0.55)	ND (0.54)	ND (1)	ND (0.98)	ND (0.52)	ND (0.52)	ND (0.55)
Hexachloroethane	NA	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (2.9)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.14)	ND (0.17)	ND (0.15)	ND (0.15)	ND (0.29)	ND (0.28)	ND (0.15)	ND (0.14)	ND (0.16)
Indeno(1,2,3-cd)pyrene	NA	0.11 J	0.032 J	ND (0.14)	0.14	4	0.16	ND (0.14)	ND (0.14)	ND (0.15)	0.22	0.12 J	ND (0.15)	ND (0.15)	0.16 J	0.65 J	0.82	0.43	0.16
Isophorone	NA	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.16)	ND (3.2)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.16)	ND (0.2)	ND (0.17)	ND (0.17)	ND (0.32)	ND (0.31)	ND (0.16)	ND (0.16)	ND (0.17)
Naphthalene	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	0.056 J	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	0.16 J	ND (0.18)	ND (0.19)
Nitrobenzene	2	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.16)	ND (3.2)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.16)	ND (0.2)	ND (0.17)	ND (0.17)	ND (0.32)	ND (0.31)	ND (0.16)	ND (0.16)	ND (0.17)
N-Nitrosodi-n-propylamine	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
N-Nitrosodiphenylamine	NA	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (2.9)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.14)	ND (0.17)	ND (0.15)	ND (0.15)	ND (0.29)	ND (0.28)	ND (0.15)	ND (0.14)	ND (0.16)
Pentachlorophenol	0.8	ND (0.14)	ND (0.14)	ND (0.14)	0.067 J	ND (2.9)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.14)	ND (0.17)	ND (0.15)	ND (0.15)	ND (0.29)	ND (0.28)	ND (0.15)	ND (0.14)	ND (0.16)
Phenanthrene	NA	0.13	ND (0.1)	ND (0.11)	0.16	10	0.26	0.04 J	ND (0.11)	ND (0.12)	0.34	0.32 J	0.031 J	ND (0.11)	0.38 J	1 J	1.5	0.82	0.31
Phenol	30	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (3.6)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.19)	ND (0.36)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.19)
Pyrene	NA	0.25	0.043 J	0.018 J	0.41	12	0.44	0.06 J	0.018 J	0.02 J	0.57	0.42 J	0.067 J	ND (0.11)	0.43 J	1.6 J	2.5	1.3	0.38

TABLE 3
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																			
Location Name	Restricted Use Soil	RI-SB-01	RI-SB-01	RI-SB-01	RI-SB-02	RI-SB-02	RI-SB-02	RI-SB-03	RI-SB-03	RI-SB-03	RI-SB-04	RI-SB-04	RI-SB-04	RI-SB-04	RI-SB-05	RI-SB-05	RI-SB-05	RI-SB-05	RI-SB-06
Sample Name	Cleanup Objectives -	RI-SB-01_0-2	RI-SB-01_2-4	RI-SB-01_10-12	RI-SB-02_0-2	RI-SB-02_7-9	RI-SB-02_13-15	RI-SB-03_0-2	RI-SB-03_3-5	RI-SB-03_10-12	RI-SB-04_0-2	RI-SB-04_10-12	DUP-02_20260204	RI-SB-04_18-20	RI-SB-05_0-2	DUP-04_20260206	RI-SB-05_7-9	RI-SB-05_13-15	RI-SB-06_0-2
Sample Date	Protection Ecological	02/03/2026	02/03/2026	02/03/2026	02/06/2026	02/06/2026	02/06/2026	02/03/2026	02/03/2026	02/03/2026	02/04/2026	02/04/2026	02/04/2026	02/04/2026	02/06/2026	02/06/2026	02/06/2026	02/06/2026	02/13/2026
Lab Sample ID	Resources	L2605921-01	L2605921-02	L2605921-03	L2606929-09	L2606929-10	L2606929-11	L2605921-07	L2605921-08	L2605921-09	L2606227-11	L2606227-12	L2606227-13	L2606227-14	L2606929-05	L2606929-06	L2606929-07	L2606929-08	L2608265-05
Sample Depth (bgs)	2025	0 - 2 (ft)	2 - 4 (ft)	10 - 12 (ft)	0 - 2 (ft)	7 - 9 (ft)	13 - 15 (ft)	0 - 2 (ft)	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	10 - 12 (ft)	18 - 20 (ft)	0 - 2 (ft)	0 - 2 (ft)	7 - 9 (ft)	13 - 15 (ft)	2 - 2 (ft)
PFAS (mg/kg)																			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.000785)	ND (0.000805)	ND (0.000805)	ND (0.000801)	ND (0.000786)	ND (0.00079)	ND (0.000805)	ND (0.000795)	ND (0.00081)	ND (0.000787)	ND (0.0008)	ND (0.000794)	ND (0.000785)	ND (0.000797)	ND (0.000798)	ND (0.000804)	ND (0.000804)	ND (0.000791)
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.0049)	ND (0.00503)	ND (0.00503)	ND (0.00501) J	ND (0.00491) J	ND (0.00494) J	ND (0.00503)	ND (0.00497)	ND (0.00506)	ND (0.00492)	ND (0.005)	ND (0.00496)	ND (0.00491)	ND (0.00498) J	ND (0.00499) J	ND (0.00503) J	ND (0.00503) J	ND (0.00494)
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.0049)	ND (0.00503)	ND (0.00503)	ND (0.00501)	ND (0.00491)	ND (0.00494)	ND (0.00503)	ND (0.00497)	ND (0.00506)	ND (0.00492)	ND (0.005)	ND (0.00496)	ND (0.00491)	ND (0.00498)	ND (0.00499)	ND (0.00503)	ND (0.00503)	ND (0.00494)
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.000981)	ND (0.00101)	ND (0.00101)	ND (0.001)	ND (0.000982)	ND (0.000988)	ND (0.001)	ND (0.000993)	ND (0.00101)	ND (0.000983)	ND (0.001)	ND (0.000993)	ND (0.000982)	ND (0.000997)	ND (0.000998)	ND (0.001)	ND (0.001)	ND (0.000989)
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.000785)	ND (0.000805)	ND (0.000805)	ND (0.000801)	ND (0.000786)	ND (0.00079)	ND (0.000805)	ND (0.000795)	ND (0.00081)	ND (0.000787)	ND (0.0008)	ND (0.000794)	ND (0.000785)	ND (0.000797)	ND (0.000798)	ND (0.000804)	ND (0.000804)	ND (0.000791)
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.000785)	ND (0.000805)	ND (0.000805)	ND (0.000801)	ND (0.000786)	ND (0.00079)	ND (0.000805)	ND (0.000795)	ND (0.00081)	ND (0.000787)	ND (0.0008)	ND (0.000794)	ND (0.000785)	ND (0.000797)	ND (0.000798)	ND (0.000804)	ND (0.000804)	ND (0.000791)
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.000785)	ND (0.000805)	ND (0.000805)	ND (0.000801)	ND (0.000786)	ND (0.00079)	ND (0.000805)	ND (0.000795)	ND (0.00081)	ND (0.000787)	ND (0.0008)	ND (0.000794)	ND (0.000785)	ND (0.000797)	ND (0.000798)	ND (0.000804)	ND (0.000804)	ND (0.000791)
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	ND (0.000785)	ND (0.000805)	ND (0.000805)	ND (0.000801)	ND (0.000786)	ND (0.00079)	ND (0.000805)	ND (0.000795)	ND (0.00081)	ND (0.000787)	ND (0.0008)	ND (0.000794)	ND (0.000785)	ND (0.000797)	ND (0.000798)	ND (0.000804)	ND (0.000804)	ND (0.000791)
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.000785)	ND (0.000805)	ND (0.000805)	ND (0.000801)	ND (0.000786)	ND (0.00079)	ND (0.000805)	ND (0.000795)	ND (0.00081)	ND (0.000787)	ND (0.0008)	ND (0.000794)	ND (0.000785)	ND (0.000797)	ND (0.000798)	ND (0.000804)	ND (0.000804)	ND (0.000791)
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	ND (0.000196)	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.000196) J	ND (0.000201) J	ND (0.000201) J	ND (0.0002)	ND (0.000196)	ND (0.000198)	ND (0.000201) J	ND (0.000199) J	ND (0.000203)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00196) J	ND (0.00201) J	ND (0.00201) J	ND (0.002)	0.000279 J	ND (0.00198)	ND (0.00201) J	ND (0.00199) J	ND (0.00203)	ND (0.00197)	ND (0.002)	ND (0.00199)	ND (0.00196)	ND (0.00199)	ND (0.002)	ND (0.00201)	ND (0.00201)	ND (0.00198)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	ND (0.000196)	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.000196) J	ND (0.000201) J	ND (0.000201) J	ND (0.0002)	ND (0.000196)	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00196) J	ND (0.00201) J	ND (0.00201) J	ND (0.002)	0.000473 J	ND (0.00198)	ND (0.00201) J	ND (0.00199) J	ND (0.00203)	ND (0.00197)	ND (0.002)	ND (0.00199)	ND (0.00196)	ND (0.00199)	ND (0.002)	ND (0.00201)	ND (0.00201)	ND (0.00198)
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.000392)	ND (0.000402)	ND (0.000403)	0.000401 R	0.000393 R	0.000395 R	ND (0.000402)	ND (0.000397)	ND (0.000405)	0.000393 R	0.0004 R	0.000397 R	0.000393 R	0.000399 R	0.000399 R	0.000402 R	0.000402 R	ND (0.000396)
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.000392)	ND (0.000402)	ND (0.000403)	ND (0.000401)	ND (0.000393)	ND (0.000395)	ND (0.000402)	ND (0.000397)	ND (0.000405)	ND (0.000393)	ND (0.0004)	ND (0.000397)	ND (0.000393)	ND (0.000399)	ND (0.000399)	ND (0.000402)	ND (0.000402)	ND (0.000396)
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.000392)	ND (0.000402)	ND (0.000403)	ND (0.000401)	ND (0.000393)	ND (0.000395)	ND (0.000402)	ND (0.000397)	ND (0.000405)	ND (0.000393)	ND (0.0004)	ND (0.000397)	ND (0.000393)	ND (0.000399)	ND (0.000399)	ND (0.000402)	ND (0.000402)	ND (0.000396)
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.000785)	ND (0.000805)	ND (0.000805)	ND (0.000801)	ND (0.000786)	ND (0.00079)	ND (0.000805)	ND (0.000795)	ND (0.00081)	ND (0.000787)	ND (0.0008)	ND (0.000794)	ND (0.000785)	ND (0.000797)	ND (0.000798)	ND (0.000804)	ND (0.000804)	ND (0.000791)
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.000392)	ND (0.000402)	ND (0.000403)	ND (0.000401)	ND (0.000393)	ND (0.000395)	ND (0.000402)	ND (0.000397)	ND (0.000405)	ND (0.000393)	ND (0.0004)	ND (0.000397)	ND (0.000393)	ND (0.000399)	ND (0.000399)	ND (0.000402)	ND (0.000402)	ND (0.000396)
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	ND (0.000196)	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)
Perfluorobutanoic acid (PFBA)	NA	ND (0.000785)	ND (0.000805)	ND (0.000805)	ND (0.000801)	ND (0.000786)	ND (0.00079)	ND (0.000805)	ND (0.000795)	ND (0.00081)	ND (0.000787)	ND (0.0008)	ND (0.000794)	ND (0.000785)	ND (0.000797)	ND (0.000798)	ND (0.000804)	ND (0.000804)	ND (0.000791)
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	0.000212	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)
Perfluorodecanoic acid (PFDA)	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	0.00032	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	0.000154 J	0.000107 J	0.000175 J	0.000106 J	0.00013 J	ND (0.000201)	ND (0.000201)	0.00014 J
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.000196) J	ND (0.000201) J	ND (0.000201) J	ND (0.0002)	ND (0.000196)	ND (0.000198)	ND (0.000201) J	ND (0.000199) J	ND (0.000203) J	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)
Perfluorododecanoic acid (PFDoDA)	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	0.00013 J	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	0.000088 J	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)
Perfluoroheptanoic acid (PFHpA)	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	0.000293	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	0.000404	0.00026	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	0.000236	0.000073 J	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	0.000074 J	0.00005 J	ND (0.000196)	0.000062 J	ND (0.0002)	0.000056 J	0.000084 J	ND (0.000198) J
Perfluorohexanoic acid (PFHxA)	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	0.000322	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	0.000904 J	0.000588 J	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	ND (0.000196)	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)
Perfluorononanoic acid (PFNA)	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	0.000275	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	0.000069 J	0.000138 J	0.000111 J	0.000051 J	0.000096 J	0.000054 J	0.00005 J	0.000052 J	0.000127 J
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	ND (0.000196)	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)
Perfluorooctanesulfonic acid (PFOS)	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	0.000138 J	0.0182	0.00125	0.000358	0.000578	ND (0.000203)	0.000435 J	0.000358 J	0.000183 J	0.000232 J	0.0013 J	0.000477 J	0.000523	0.000561	0.000615
Perfluorooctanoic acid (PFOA)	NA	0.000092 J	0.000079 J	ND (0.000201)	0.000052 J	0.00091	0.000126 J	0.000278	0.000141 J	ND (0.000203)	0.000291	0.0016 J	0.000872 J	0.000196	0.000126 J	0.000064 J	0.000318	0.000639	0.000299
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	ND (0.000196)	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)
Perfluoropentanoic acid (PFPeA)	NA	ND (0.000392)	ND (0.000402)	ND (0.000403)	ND (0.000401)	0.000214 J	ND (0.000395)	ND (0.000402)	0.000159 J	ND (0.000405)	ND (0.000393)	0.00108 J	0.00063 J	0.000192 J	0.000126 J	0.000092 J	ND (0.000402)	ND (0.000402)	ND (0.000396)
Perfluorotetradecanoic acid (PFTeDA)	NA	ND (0.000196) J	ND (0.000201) J	ND (0.000201) J	ND (0.0002)	ND (0.000196)	ND (0.000198)	ND (0.000201) J	ND (0.000199) J	ND (0.000203)	ND (0.000197)	ND (0.0002) J	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201) J	ND (0.000198)
Perfluorotridecanoic acid (PFTrDA)	NA	ND (0.000196) J	ND (0.000201) J	ND (0.000201) J	ND (0.0002)	ND (0.000196)	ND (0.000198)	ND (0.000201) J	ND (0.000199) J	ND (0.000203)	ND (0.000197)	ND (0.0002) J	ND (0.000199)	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201) J	ND (0.000198)
Perfluoroundecanoic acid (PFUnDA)	NA	ND (0.000196)	ND (0.000201)	ND (0.000201)	ND (0.0002)	0.000094 J	ND (0.000198)	ND (0.000201)	ND (0.000199)	ND (0.000203)	ND (0.000197)	0.00015 J	0.000109 J	ND (0.000196)	ND (0.000199)	ND (0.0002)	ND (0.000201)	ND (0.000201)	ND (0.000198)
Pesticides (mg/kg)																			
4,4'-DDD	0.0033	ND (0.00168)	ND (0.00164)	ND (0.00171)	0.00266	ND (0.00168)	ND (0.00164)	ND (0.00162)	ND (0.00167)	ND (0.00178)	0.00186 J	ND (0.00199)	ND (0.00185)	ND (0.00179)	ND (0.00167) J	0.00511 J	0.0144	0.0071	ND (0.00186)
4,4'-DDE	0.0033	ND (0.00168)	ND (0.00164)	ND (0.00171)	0.0079	ND (0.00168)	ND (0.00164)	ND (0.00162)	ND (0.00167)	ND (0.00178)	0.00148 J	ND (0.00199)	ND (0.00185)	ND (0.00179)	ND (0.00167)	ND (0.00161)	0.0202	0.00602	0.00127 J
4,4'-DDT	0.0033	ND (0.00168)	ND (0.00164)	ND (0.00171)	0.00456	ND (0.00168)	ND (0.00164)	ND (0.00162)	ND (0.00167)	ND (0.00178)	0.00854	ND (0.00199)	ND (0.00185)	ND (0.00179)	0.00208 J	ND (0.00161)	0.02	0.0196	0.00456
Aldrin	0.14	ND (0.00168)	ND (0.00164)	ND (0.00171)	ND (0.00168)	ND (0.00168)	ND (0.00164)	ND (0.00162)	ND (0.00167)	ND (0.00178)	ND (0.00168)	ND (0.00199)	ND (0.00185)	ND (0.00179)	ND (0.00167)	ND (0.00161)	ND (0.00178)	ND (0.00177)	ND (0.00186)
alpha-BHC	0.04	ND (0.000701)	ND (0.000684)	ND (0.000712)	ND (0.000701)	ND (0.000702)	ND (0.000684)	ND (0.000676)	ND (0.000694)	ND (0.000743)	ND (0.000698)	ND (0.000828)	ND (0.00077)	ND (0.000747)	ND (0.000696)	ND (0.000671)	ND (0.000744)	ND (0.000738)	ND (0.000777)
alpha-Chlordane (cis)	1.3	ND (0.0021)	ND (0.00205)	ND (0.00213)	0.00267 J	0.00113 J	0.00118 J	ND (0.00203)	ND (0.00208)	ND (0.00223)	0.00342 J	ND (0.00248)	ND (0.00231)	ND (0.00224)	0.00961 J	0.00462 J	0.00471 J	0.00397 J	0.00175 J
beta-BHC	0.6	ND (0.00168)	ND (0.00164)	ND (0.00171)	ND (0.00168)	ND (0.00168)	ND (0.00164)	ND (0.00162)	ND (0.00167)	ND (0.00178)	ND (0.00168)	ND (0.00199)	ND (0.00185)	ND (0.00179)	ND (0.00167)	ND (0.00161)	ND (0.00178)	ND (0.00177)	ND (0.00186)
Chlordane	NA	ND (0.014)	ND (0.0137)	ND (0.0142)	ND (0.014)	ND (0.014)	ND (0.0137)	ND (0.0135)	ND (0.0139)	ND (0.0149)	0.0319	ND (0.0166)	ND (0.0154)	ND (0.0149)	0.0684 J	0.0276 J	ND (0.0149)	0.0376	0.0144 J
delta-BHC	0.04	ND (0.00168)	ND (0.00164)	ND (0.00171)	ND (0.00168)	ND (0.00168)	ND (0.00164)	ND (0.00162)	ND (0.00167)	ND (0.00178)	ND (0.00168)	ND (0.00199)	ND (0.00185)	ND (0.00179)	ND (0.00167)	ND (0.00161)	ND (0.00178)	ND (0.00177)	ND (0.00186)
Dieldrin	0.006	ND (0.00105)	ND (0.00102)	ND (0.00107)	0.00148	ND (0.00105)	ND (0.00103)	ND (0.00101)	ND (0.00104)	ND (0.00111)	ND (0.00105)	ND (0.00124)	ND (0.00115)	ND (0.00112)	0.0019 J	0.00508 J	0.0067	ND (0.00111)	ND (0.00116)
Endosulfan I	NA	ND (0.00168)	ND (0.00164)	ND (0.00171)	ND (0.00168)	ND (0.00168)	ND (0.00164)	ND (0.00162)	ND (0.00167)	ND (0.00178)	ND (0.00168)	ND (0.00199)	ND (0.00185)	ND (0.00179)	ND (0.00167)	ND (0.00161)	ND (0.00178)	ND (0.00177)	ND (0.00186)
Endosulfan II	NA	ND (0.00168)	ND (0.00164)	ND (0.00171)	ND (0.00168)	ND (0.00168)	ND (0.00164)	ND (0.00162)	ND (0.00167)	ND (0.00178)	ND (0.00168)	ND (0.00199)	ND (0.00185)	ND (0.00179)	ND (0.00167)	ND (0.00161)	ND (0.00178)	ND (0.00177)	ND (0.00186)
Endosulfan sulfate	NA	ND (0.000701)	ND (0.000684)	ND (0.000712)	ND (0.000701)	ND (0.000702)	ND (0.000684)	ND (0.000676)	ND (0.000694)	ND (0.000743)	ND (0.000698)	ND (0.000828)	ND (0.00077)	ND (0.000747)	ND (0.000696)	ND (0.000671)	ND (0.000744)	ND (0.000738)	ND (0.000777)
Endrin	0.014	ND (0.000701)	ND (0.000684)	ND (0.000712)	ND (0.000701)	ND (0.000702)	ND (0.000684)	ND (0.000676)	ND (0.000694)	ND (0.000743)	ND (0.000698)	ND (0.000828)	ND (0.00077)	ND (0.000747)	ND (0.000696)	ND (0.000671)	ND (0.000744)	ND (0.000738)	ND (0.000777)
Endrin aldehyde	NA	ND (0.0021)	ND (0.00205)	ND (0.00213)	ND (0.0021)	ND (0.0021)	ND (0.00205)	ND (0.00203)	ND (0.00208)	ND (0.00223)	ND (0.0021)	ND (0.00248)	ND (0.00231)	ND (0.00224)	ND (0.00209)	ND (0.00201)	ND (0.00223)	ND (0.00221)	ND (0.00233)
Endrin ketone	NA	ND (0.00168)	ND (0.00164)	ND (0.00171)	ND (0.00168)	ND (0.00168)	ND (0.00164)	ND (0.00162)	ND (0.00167)	ND (0.00178)	ND (0.00168)	ND (0.00199)	ND (0.00185)	ND (0.00179)	ND (0.00167)	ND (0.00161)	ND (0.00178)	ND (0.00177)	ND (0.00186)
gamma-BHC (Lindane)	6	ND (0.000701)	ND (0.000684)	ND (0.000712)	ND (0.000701)	ND (0.000702)	ND (0.000684)	ND (0.000676)	ND (0.000694)	ND (0.000743)	ND (0.000698)	ND (0.000828)	ND (0.00077)	ND (0.000747)	ND (0.000696)	ND (0.000671)	ND (0.000744)	ND (0.000738)	ND (0.000777)
gamma-Chlordane (trans)	NA	ND (0.0021)	ND (0.00205)	ND (0.00213)	0.0025	0.0011 J	0.00146 J	ND (0.00203)	ND (0.00208)	ND (0.00223)	0.00488	ND (0.00248)	ND (0.00231)	ND (0.00224)	0.0115 J	0.00354 J	0.00677	0.00594	0.00167 J
Heptachlor	0.14	ND (0.000842)	ND (0.00082)	ND (0.000854)	ND (0.000842)	ND (0.000842)	ND (0.000821)	ND (0.000811)	ND (0.000833)	ND (0.000892)	ND (0.000838)	ND (0.000994)	ND (0.000924)	ND (0.000896)	0.0011	ND (0.000805)	ND (0.000893)	ND (0.000886)	ND (0.000932)
Heptachlor epoxide	NA	ND (0.00316)	ND (0.00308)	ND (0.0032)	ND (0.00316) J	ND (0.00316)	ND (0.00308)	ND (0.00304)	ND (0.00312)	ND (0.00334)	ND (0.00314)	ND (0.00373)	ND (0.00346)	ND (0.00336)	0.00214 J	0.00119 J	ND (0.00335)	ND (0.00332)	ND (0.0035)
Methoxychlor	NA	ND (0.00316)	ND (0.00308)	ND (0.0032)	ND (0.00316)	ND (0.00316)	ND (0.00308)	ND (0.00304)	ND (0.00312)	ND (0.00334)	ND (0.00314)	ND (0.00373)	ND (0.00346)	ND (0.00336)	ND (0.00313)	ND (0.00302)	ND (0.00335)	ND (0.00332)	ND (0.0035)
Toxaphene	NA	ND (0.0316)	ND (0.0308)	ND (0.032)	ND (0.0316)	ND (0.0316)	ND (0.0308)	ND (0.0304)	ND (0.0312)	ND (0.0334)	ND (0.0314)	ND (0.0373)	ND (0.0346)	ND (0.0336)	ND (0.0313)	ND (0.0302)	ND (0.0335)	ND (0.0332)	ND (0.035)
Polychlorinated Biphenyls (mg/kg)																			
Aroclor-1016 (PCB-1016)	NA	ND (0.0521)	ND (0.0496)	ND (0.0503)	ND (0.0504)	ND (0.0521)	ND (0.0532)	ND (0.0503)	ND (0.0536)	ND (0.0566)	ND (0.0521)	ND (0.0624)	ND (0.0562)	ND (0.0531)	ND (0.0529)	ND (0.0507)	ND (0.0538)	ND (0.0514)	ND (0.0554)
Aroclor-1221 (PCB-1221)	NA	ND (0.0521)	ND (0.0496)	ND (0.0503)	ND (0.0504)	ND (0.0521)	ND (0.0532)	ND (0.0503)	ND (0.0536)	ND (0.0566)	ND (0.0521)	ND (0.0624)	ND (0.0562)	ND (0.0531)	ND (0.0529)	ND (0.0507)	ND (0.0538)	ND (0.0514)	ND (0.0554)
Aroclor-1232 (PCB-1232)	NA	ND (0.0521)	ND (0.0496)	ND (0.0503)	ND (0.0504)	ND (0.0521)	ND (0.0532)	ND (0.0503)	ND (0.0536)	ND (0.0566)	ND (0.0521)	ND (0.0624)	ND (0.0562)	ND (0.0531)	ND (0.0529)	ND (0.0507)	ND (0.0538)	ND (0.0514)	ND (0.0554)
Aroclor-1242 (PCB-1242)	NA	0.016 J	ND (0.0496)	ND (0.0503)	ND (0.0504)	ND (0.0521)	ND (0.0532)	ND (0.0503)	ND (0.0536)	ND (0.0566)	ND (0.0521)	ND (0.0624)	ND (0.0562)	ND (0.0531)	ND (0.0529)	ND (0.0507)	ND (0.0538)	ND (0.0514)	ND (0.0554)
Aroclor-1248 (PCB-1248)	NA	ND (0.0521)	ND (0.0496)	ND (0.0503)	ND (0.0504)	ND (0.0521)	ND (0.0532)	ND (0.0503)	ND (0.0536)	ND (0.0566)	0.0498 J	ND (0.0624)	ND (0.0562)	ND (0.0531)	ND (0.0529)	0.0206 J	ND (0.0538)	ND (0.0514)	ND (0.0554)
Aroclor-1254 (PCB-1254)	NA	0.0123 J	ND (0.0496)	ND (0.0503)	ND (0.0504)	ND (0.0521)	0.0449 J	ND (0.0503)	ND (0.0536)	0.0102 J	0.0501 J	ND (0.0624)	ND (0.0562)	ND (0.0531)	ND (0.0529)	0.0194 J	0.0444 J	0.0585	ND (0.0554)
Aroclor-1260 (PCB-1260)	NA	ND (0.0521)	ND (0.0496)	ND (0.0503)	ND (0.0504)	0.00967 J	ND (0.0532)	ND (0.0503)	ND (0.0536)	ND (0.0566)	ND (0.0521)	ND (0.0624)	ND (0.0562)	ND (0.0531)	ND (0.0529)	ND (0.0507)	0.0343 J	0.0389 J	ND (0.0554)
Aroclor-1262 (PCB-1262)	NA	ND (0.0521)	ND (0.0496)	ND (0.0503)	ND (0.0504)	ND (0.0521)	ND (0.0532)	ND (0.0503)	ND (0.0536)	ND (0.0566)	ND (0.0521)	ND (0.0624)	ND (0.0562)	ND (0.0531)	ND (0.0529)	ND (0.0507)	ND (0.0538)	ND (0.0514)	ND (0.0554)
Aroclor-1268 (PCB-1268)	NA	ND (0.0521)	ND (0.0496)	ND (0.0503)	ND (0.0504)	ND (0.0521)	ND (0.0532)	ND (0.0503)	ND (0.0536)	ND (0.0566)	0.586	ND (0.0624)	ND (0.0562)	ND (0.0531)	0.152 J	ND (0.0507) J	0.00778 J	0.00766 J	ND (0.0554)
Polychlorinated biphenyls (PCBs)	1	0.0283 J	ND (0.0496)	ND (0.0503)	ND (0.0504)	0.00967 J	0.0449 J	ND (0.0503)	ND (0.0536)	0.0102 J	0.686 J	ND (0.0624)	ND (0.0562)	ND (0.0531)	0.152 J	0.04 J	0.0865 J	0.105 J	ND (0.0554)

TABLE 3
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																			
Location Name	Restricted Use Soil	RI-SB-01	RI-SB-01	RI-SB-01	RI-SB-02	RI-SB-02	RI-SB-02	RI-SB-03	RI-SB-03	RI-SB-03	RI-SB-04	RI-SB-04	RI-SB-04	RI-SB-04	RI-SB-05	RI-SB-05	RI-SB-05	RI-SB-05	RI-SB-06
Sample Name	Cleanup Objectives -	RI-SB-01_0-2	RI-SB-01_2-4	RI-SB-01_10-12	RI-SB-02_0-2	RI-SB-02_7-9	RI-SB-02_13-15	RI-SB-03_0-2	RI-SB-03_3-5	RI-SB-03_10-12	RI-SB-04_0-2	RI-SB-04_10-12	DUP-02_20260204	RI-SB-04_18-20	RI-SB-05_0-2	DUP-04_20260206	RI-SB-05_7-9	RI-SB-05_13-15	RI-SB-06_0-2
Sample Date	Protection Ecological	02/03/2026	02/03/2026	02/03/2026	02/06/2026	02/06/2026	02/06/2026	02/03/2026	02/03/2026	02/03/2026	02/04/2026	02/04/2026	02/04/2026	02/04/2026	02/06/2026	02/06/2026	02/06/2026	02/06/2026	02/13/2026
Lab Sample ID	Resources	L2605921-01	L2605921-02	L2605921-03	L2606929-09	L2606929-10	L2606929-11	L2605921-07	L2605921-08	L2605921-09	L2606227-11	L2606227-12	L2606227-13	L2606227-14	L2606929-05	L2606929-06	L2606929-07	L2606929-08	L2608265-05
Sample Depth (bgs)	2025	0 - 2 (ft)	2 - 4 (ft)	10 - 12 (ft)	0 - 2 (ft)	7 - 9 (ft)	13 - 15 (ft)	0 - 2 (ft)	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	10 - 12 (ft)	18 - 20 (ft)	0 - 2 (ft)	0 - 2 (ft)	7 - 9 (ft)	13 - 15 (ft)	2 - 2 (ft)
Inorganic Compounds (mg/kg)																			
Aluminum	NA	6290	7720	4290	3110	5750	5770	9180	6020	2620	8610	9190	7990	10500	3920	5410	8140	6230	7410
Antimony	NA	ND (4.3) J	ND (4.21) J	ND (4.21) J	ND (4.07) J	ND (4.26) J	ND (4.25) J	ND (4.03) J	ND (4.23) J	ND (9.14) J	ND (4.23) J	ND (5.18) J	ND (4.51) J	ND (4.31) J	ND (4.1) J	ND (4.02) J	ND (4.34) J	ND (4.22) J	ND (4.72) J
Arsenic	13	15.7	4.24	1.12	1.14	3.54	2.13	5.39	2.06	0.967 J	4.11 J-	11 J-	8.61 J-	0.614 J-	4.4	5.6	13	6.47	2.23
Barium	433	64.3	51.6	21.3	25.3	196	51.4	92.7	28.8	16.5	73.8	86	61.8	49	34.4	45.4	237	123	60.2 J+
Beryllium	10	0.243 J	0.329 J	0.233 J	0.083 J	0.217 J	0.116 J	0.392 J	0.336 J	0.188 J	0.346 J	0.488 J	0.398 J	0.36 J	0.131 J	0.161 J	0.562	0.395 J	0.316 J
Cadmium	4	ND (0.86)	ND (0.842)	ND (0.843)	ND (0.814) J	0.22 J-	ND (0.85) J	ND (0.806)	0.058 J	ND (1.83)	0.234 J	3.99 J	1.58 J	ND (0.862)	ND (0.82) J	ND (0.805) J	0.312 J-	ND (0.844) J	0.198 J+
Calcium	NA	25200	2550	2310	12700	12900	21700	11800	761	110000	9770 J+	2930 J+	26000 J+	3660 J+	44300	46200	13800	49800	2220 J
Chromium	NA	20.8	12.2	12.9	8.47 J+	13.3 J+	11.8 J+	15.4	16.1	6.07	43.8	25.1	22.3	25.6	10.8 J+	13.5 J+	18.6 J+	10.2 J+	16.1
Chromium VI (Hexavalent)	20	ND (0.879)	0.18 J	ND (0.866)	ND (0.857)	ND (0.892)	ND (0.873)	ND (0.853)	0.187 J	ND (0.94)	ND (0.885)	ND (1.05)	ND (0.933)	ND (0.911)	ND (0.861)	ND (0.85)	ND (0.897)	ND (0.897)	0.954 R
Cobalt	NA	6.71	8.02	5.78	3.87	4.27	4.94	8.24	5.96	3.64 J	7.16	10 J	7.09 J	6.21	2.33	3.6	6	4.63	6.46 J
Copper	50	160	31	15.3	14.4 J+	38.5 J+	26 J+	23.7	14	8.98	41.9 J+	126 J+	94.2 J+	17.5 J+	14.1 J+	24.6 J+	42.2 J+	43.8 J+	26.4
Iron	NA	19700	15500	10200	7250	10200	9400	16300	11800	6080	18800	45600 J	22900 J	11300	5340	8160	13600	7620	13200
Lead	63	149 J-	38.2 J-	3.99 J-	6.91	139	58.6	82.1 J-	5.33 J-	2.76 J-	100 J+	152 J+	108 J+	11.1 J+	32.8 J	94.3 J	302	86.1	60.6 J+
Magnesium	NA	4410	3390	4120	7100	4230	9550	6860	2830	61600	6690 J+	2580 J+	16600 J+	5680 J+	11100	7190	2480	2110	3790 J
Manganese	1600	314	598	368	127 J+	193 J+	141 J+	630	68.8	234	343	813	556	124	102 J+	154 J+	264 J+	133 J+	285 J
Mercury	0.18	0.072 J	0.094	ND (0.076)	ND (0.081)	0.175	0.084 J	0.186	ND (0.074)	ND (0.081)	0.094	0.128	0.166	ND (0.081)	ND (0.089)	0.139	0.26	0.084 J	0.08
Nickel	30	18.3	11.1	12	7.22 J	10.7 J	10.4 J	12.4	9.51	6.1	18.6	57.9	37.4	14.8	7.85 J	10.8 J	13.4 J	11.8 J	14 J+
Potassium	NA	1190	1390	666	1160 J+	878 J+	1730 J+	1160	1280	726	1400	680	611	1180	406 J+	574 J+	1040 J+	933 J+	1670 J-
Selenium	3.9	ND (1.72)	ND (1.68)	ND (1.68)	ND (1.63)	ND (1.7)	ND (1.7)	ND (1.61)	ND (1.69)	ND (3.66)	ND (1.69)	ND (2.07)	ND (1.8)	ND (1.72)	ND (1.64)	ND (1.61)	0.551 J	ND (1.69)	ND (1.89)
Silver	2	ND (0.43)	ND (0.421)	ND (0.421)	ND (0.407)	ND (0.426)	ND (0.425)	ND (0.403)	ND (0.423)	ND (0.914)	ND (0.423)	0.485 J	0.386 J	ND (0.431)	ND (0.41)	ND (0.402)	ND (0.434)	ND (0.422)	ND (0.472)
Sodium	NA	99.4 J	128 J	ND (168)	ND (163)	107 J	137 J	108 J	ND (169)	ND (366)	ND (169)	ND (207)	ND (180)	ND (172)	88.1 J	156 J	184	246	ND (189)
Thallium	NA	ND (1.72)	ND (1.68)	ND (1.68)	ND (1.63)	ND (1.7)	ND (1.7)	ND (1.61)	ND (1.69)	ND (3.66)	ND (1.69)	ND (2.07)	ND (1.8)	ND (1.72)	ND (1.64)	ND (1.61)	ND (1.74)	ND (1.69)	ND (1.89)
Vanadium	NA	21.5	17.5	16.3	10.3 J-	16.9 J-	17.1 J-	21.6	20.6	7.8	27.4	25.7	21.4	25.9	10.5 J-	15.2 J-	27.1 J-	20.6 J-	22.6
Zinc	109	129 J-	39.9 J-	26.3 J-	47.7 J	154 J	49.2 J	61.2 J-	31.4 J-	17.3 J-	139	430	318	41.5	39.1 J	49.4 J	188 J	122 J	91.5
TCLP Inorganic Compounds (mg/L)																			
Lead	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other																			
Total Solids (%)	NA	91	94.2	92.4	93.3	89.7	91.6	93.8	90.7	85.1	90.4	76.3	85.7	87.8	92.9	94.1	89.2	89.2	83.9
Cyanide (mg/kg)	NA	ND (1.1) J	ND (0.98) J	ND (1) J	ND (1)	ND (1)	ND (1.1)	ND (1) J	ND (1.1) J	ND (1.1) J	ND (1) J	ND (1.3) J	ND (1.1) J	ND (1) J	ND (1)	ND (0.98)	ND (1)	ND (1.1)	ND (1.1)

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram
mg/L: milligram per liter
-: Not Analyzed
B: Compound was found in the blank and the associated sample.
bgs: below ground surface
F: Results are considered to be an estimated maximum concentration
ft: feet
I: The lower value for the two columns has been reported due to obvious interference.
J-: Value is estimated, low bias.
J: Value is estimated.
J+: Value is estimated, high bias.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
P: The RPD between the results for the two columns exceeds the method-specified criteria.
R: Rejected

- 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 Protection of Ecological Resources Soil Cleanup Objectives (SCO).
- Grey shading indicates an exceedance of the Protection of Ecological Resources Soil Cleanup Objectives (SCO).

TABLE 3
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																				
Location Name	Restricted Use Soil	RI-SB-06	RI-SB-06	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-08	RI-SB-08	RI-SB-08	RI-SB-09	RI-SB-09	RI-SB-09	RI-SB-09	RI-SB-10	RI-SB-10	RI-SB-10	RI-SB-11
Sample Name	Cleanup Objectives -	RI-SB-06_10-12	RI-SB-06_20-22	RI-SB-07_0-2	RI-SB-07_10-12	RI-SB-07_20-22	RI-SB-07_23-25	RI-SB-07_25-27	RI-SB-07_27-29	RI-SB-08_0-2	RI-SB-08_3-5	RI-SB-08_10-12	RI-SB-09_0-2	RI-SB-09_10-12	RI-SB-09_20-22	RI-SB-09_22-24	RI-SB-10_0-2	RI-SB-10_2-4	RI-SB-10_10-12	RI-SB-11_0-2
Sample Date	Protection Ecological	02/13/2026	02/13/2026	02/05/2026	02/05/2026	02/13/2026	02/13/2026	03/16/2026	03/16/2026	02/04/2026	02/04/2026	02/04/2026	02/05/2026	02/05/2026	02/13/2026	03/16/2026	02/04/2026	02/04/2026	02/04/2026	02/05/2026
Lab Sample ID	Resources	L2608265-06	L2608265-07	L2606574-01	L2606574-02	L2608265-02	L2608265-03	L2614269-09	L2614269-10	L2606227-01	L2606227-02	L2606227-03	L2606574-04	L2606574-05	L2608265-04	L2614269-03	L2606227-08	L2606227-09	L2606227-10	L2606574-10
Sample Depth (bgs)	2025	10 - 12 (ft)	20 - 22 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	23 - 25 (ft)	25 - 27 (ft)	27 - 29 (ft)	0 - 2 (ft)	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 2 (ft)	2 - 4 (ft)	10 - 12 (ft)	0 - 2 (ft)
Volatile Organic Compounds (mg/kg)																				
1,1,1,2-Tetrachloroethane	NA	ND (0.00057)	ND (0.00058)	ND (0.00098)	ND (0.0006)	ND (0.027)	ND (0.00054)	ND (0.00043)	ND (0.00046)	ND (0.00098)	ND (0.0004) J	ND (0.00053)	ND (0.00055)	ND (0.00047)	ND (0.00057)	ND (0.00057)	ND (0.00059)	ND (0.00067)	ND (0.00063)	ND (0.00094)
1,1,1-Trichloroethane	NA	ND (0.00057)	ND (0.00058)	ND (0.00098)	ND (0.0006)	ND (0.027)	0.00035 J	ND (0.00043)	0.00037 J	ND (0.00098)	ND (0.0004) J	ND (0.00053)	ND (0.00055)	ND (0.00047)	0.0034	ND (0.00057)	ND (0.00059)	ND (0.00067)	ND (0.00063)	ND (0.00094)
1,1,2,2-Tetrachloroethane	NA	ND (0.00057)	ND (0.00058)	ND (0.00098)	ND (0.0006)	ND (0.027)	ND (0.00054)	ND (0.00043)	ND (0.00046)	ND (0.00098)	ND (0.0004) J	ND (0.00053)	ND (0.00055)	ND (0.00047)	ND (0.00057)	ND (0.00057)	ND (0.00059)	ND (0.00067)	ND (0.00063)	ND (0.00094) J
1,1,2-Trichloroethane	NA	ND (0.0011)	ND (0.0012)	ND (0.002)	ND (0.0012)	ND (0.054)	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019)
1,1-Dichloroethane	NA	ND (0.0011)	ND (0.0012)	ND (0.002)	0.00018 J	0.088	0.00074 J	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	0.0039	0.00099 J	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019)
1,1-Dichloroethene	NA	ND (0.0011)	ND (0.0012)	ND (0.002)	ND (0.0012)	ND (0.054)	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019)
1,1-Dichloropropene	NA	ND (0.00057)	ND (0.00058)	ND (0.00098)	ND (0.0006)	ND (0.027)	ND (0.00054)	ND (0.00043)	ND (0.00046)	ND (0.00098)	ND (0.0004) J	ND (0.00053)	ND (0.00055)	ND (0.00047)	ND (0.00057)	ND (0.00057)	ND (0.00059)	ND (0.00067)	ND (0.00063)	ND (0.00094)
1,2,3-Trichlorobenzene	NA	ND (0.0023)	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	0.0016 R	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J
1,2,3-Trichloropropane	NA	ND (0.0023)	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037)
1,2,4,5-Tetramethylbenzene	NA	0.0003 J	ND (0.0023)	0.0019 J	0.00037 J	0.092 J	ND (0.0022)	ND (0.0017) J	ND (0.0018) J	ND (0.0039)	0.0016 R	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023) J	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J
1,2,4-Trichlorobenzene	NA	ND (0.0023)	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	0.0016 R	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J
1,2,4-Trimethylbenzene	NA	ND (0.0023)	ND (0.0023)	ND (0.0039)	0.00064 J	1.3	0.0004 J	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J
1,2-Dibromo-3-chloropropane (DBCP)	NA	ND (0.0034)	ND (0.0035)	ND (0.0059)	ND (0.0036)	ND (0.16)	ND (0.0032)	ND (0.0026)	ND (0.0027)	ND (0.0058)	ND (0.0024) J	ND (0.0032)	ND (0.0033)	ND (0.0028)	ND (0.0034)	ND (0.0034)	ND (0.0036)	ND (0.004)	ND (0.0038)	ND (0.0056) J
1,2-Dibromoethane (Ethylene Dibromide)	NA	ND (0.0011)	ND (0.0012)	ND (0.002)	ND (0.0012)	ND (0.054)	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019) J
1,2-Dichlorobenzene	NA	ND (0.0023)	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	0.00021 J	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J
1,2-Dichloroethane	10	ND (0.0011)	ND (0.0012)	ND (0.002)	ND (0.0012)	ND (0.054)	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019)
1,2-Dichloroethene (total)	NA	ND (0.0011)	ND (0.0012)	0.00035 J	0.011 J	0.014 J	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008)	ND (0.0011)	ND (0.0011)	ND (0.00093)	0.00024 J	0.00039 J	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019)
1,2-Dichloropropane	NA	ND (0.0011)	ND (0.0012)	ND (0.002)	ND (0.0012)	ND (0.054)	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019)
1,3,5-Trimethylbenzene	NA	ND (0.0023)	ND (0.0023)	ND (0.0039)	ND (0.0024)	0.29	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J
1,3-Dichlorobenzene	NA	ND (0.0023)	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J
1,3-Dichloropropane	NA	ND (0.0023)	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037)
1,3-Dichloropropene	NA	ND (0.00057)	ND (0.00058)	ND (0.00098)	ND (0.0006)	ND (0.027)	ND (0.00054)	ND (0.00043)	ND (0.00046)	ND (0.00098)	ND (0.0004)	ND (0.00053)	ND (0.00055)	ND (0.00047)	ND (0.00057)	ND (0.00057)	ND (0.00059)	ND (0.00067)	ND (0.00063)	ND (0.00094)
1,4-Dichlorobenzene	20	ND (0.0023)	ND (0.0023)	ND (0.0039)	ND (0.0024)	0.45	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J
1,4-Diethylbenzene	NA	ND (0.0023)	ND (0.0023)	0.00039 J	0.00022 J	0.29	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J
1,4-Dioxane	0.1	ND (0.092)	ND (0.092)	ND (0.16)	ND (0.096)	ND (4.3)	ND (0.086)	ND (0.069)	ND (0.073)	ND (0.16)	ND (0.064)	ND (0.085)	ND (0.087)	ND (0.075)	ND (0.091)	ND (0.091)	ND (0.095)	ND (0.11)	ND (0.1)	ND (0.15)
2,2-Dichloropropane	NA	ND (0.0023)	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037)
2-Butanone (Methyl Ethyl Ketone)	100	ND (0.011)	ND (0.012)	ND (0.02)	ND (0.012)	ND (0.54)	ND (0.011)	ND (0.0087)	ND (0.0092)	ND (0.02)	ND (0.008) J	ND (0.011)	ND (0.011)	ND (0.0093)	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.019) J
2-Chlorotoluene	NA	ND (0.0023)	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J
2-Hexanone (Methyl Butyl Ketone)	NA	ND (0.011)	ND (0.012)	ND (0.02)	ND (0.012)	ND (0.54)	ND (0.011)	ND (0.0087)	ND (0.0092)	ND (0.02) J	ND (0.008) J	ND (0.011) J	ND (0.011)	ND (0.0093)	ND (0.011)	ND (0.011)	ND (0.012) J	ND (0.013) J	ND (0.012) J	ND (0.019) J
2-Phenylbutane (sec-Butylbenzene)	NA	ND (0.0011)	ND (0.0012)	ND (0.002)	ND (0.0012)	0.088	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019) J
4-Chlorotoluene	NA	ND (0.0023)	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	ND (0.0023)	ND (0.0023)	ND (0.0039)	0.00067 J	1.5	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	ND (0.011)	ND (0.012)	ND (0.02)	ND (0.012)	ND (0.54)	ND (0.011)	ND (0.0087)	ND (0.0092)	ND (0.02)	ND (0.008) J	ND (0.011)	ND (0.011)	ND (0.0093)	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.019)
Acetone	2.2	ND (0.012)	ND (0.012)	ND (0.02)	ND (0.012)	ND (0.54)	ND (0.011)	ND (0.0087)	ND (0.0092)	ND (0.02)	ND (0.008) J	0.0081 J	ND (0.011)	ND (0.0093)	ND (0.037)	ND (0.011)	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.019)
Acrylonitrile	NA	ND (0.0046)	ND (0.0046)	ND (0.0078)	ND (0.0048)	ND (0.22)	ND (0.0043)	ND (0.0035)	ND (0.0037)	ND (0.0078)	ND (0.0032) J	ND (0.0042)	ND (0.0044)	ND (0.0037)	ND (0.0046)	ND (0.0045)	ND (0.0047)	ND (0.0054)	ND (0.005)	ND (0.0075) J
Benzene	70	ND (0.00057)	ND (0.00058)	ND (0.00098)	ND (0.0006)	0.024 J	ND (0.00054)	ND (0.00043)	ND (0.00046)	ND (0.00098)	ND (0.0004) J	ND (0.00053)	ND (0.00055)	0.00027 J	0.0002 J	ND (0.00057)	0.0005 J	ND (0.00067)	ND (0.00063)	ND (0.00094)
Bromobenzene	NA	ND (0.0023)	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J
Bromodichloromethane	NA	ND (0.00057)	ND (0.00058)	ND (0.00098)	ND (0.0006)	ND (0.027)	ND (0.00054)	ND (0.00043)	ND (0.00046)	ND (0.00098)	ND (0.0004) J	ND (0.00053)	ND (0.00055)	ND (0.00047)	ND (0.00057)	ND (0.00057)	ND (0.00059)	ND (0.00067)	ND (0.00063)	ND (0.00094)
Bromoform	NA	ND (0.0046)	ND (0.0046)	ND (0.0078)	ND (0.0048)	ND (0.22)	ND (0.0043)	ND (0.0035)	ND (0.0037)	ND (0.0078)	ND (0.0032) J	ND (0.0042)	ND (0.0044)	ND (0.0037)	ND (0.0046)	ND (0.0045)	ND (0.0047)	ND (0.0054)	ND (0.005)	ND (0.0075)
Bromomethane (Methyl Bromide)	NA	ND (0.0023)	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037)
Carbon disulfide	NA	ND (0.011)	ND (0.012)	ND (0.02)	ND (0.012)	ND (0.54)	ND (0.011)	ND (0.0087)	ND (0.0092)	ND (0.02)	ND (0.008) J	ND (0.011)	ND (0.011)	ND (0.0093)	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.019)
Carbon tetrachloride	NA	ND (0.0011)	ND (0.0012)	ND (0.002)	ND (0.0012)	ND (0.054)	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019)
Chlorobenzene	40	ND (0.00057)	ND (0.00058)	ND (0.00098)	ND (0.0006)	ND (0.027)	ND (0.00054)	ND (0.00043)	ND (0.00046)	ND (0.00098)	ND (0.0004) J	ND (0.00053)	ND (0.00055)	ND (0.00047)	ND (0.00057)	ND (0.00057)	ND (0.00059)	ND (0.00067)	ND (0.00063)	ND (0.00094) J
Chlorobromomethane	NA	ND (0.0023)	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037)
Chloroethane	NA	ND (0.0023)	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037)
Chloroform (Trichloromethane)	12	ND (0.0017)	ND (0.0017)	ND (0.0029)	ND (0.0018)	ND (0.081)	ND (0.0016)	ND (0.0013)	ND (0.0014)	ND (0.0029)	ND (0.0012) J	ND (0.0016)	ND (0.0016)	ND (0.0014)	ND (0.0017)	ND (0.0017)	ND (0.0018)	ND (0.002)	ND (0.0019)	ND (0.0028)
Chloromethane (Methyl Chloride)	NA	ND (0.0046)	ND (0.0046)	ND (0.0078)	ND (0.0048)	ND (0.22)	ND (0.0043)	ND (0.0035)	ND (0.0037)	ND (0.0078)	ND (0.0032) J	ND (0.0042)	ND (0.0044)	ND (0.0037)	ND (0.0046)	ND (0.0045)	ND (0.0047)	ND (0.0054)	ND (0.005)	ND (0.0075)
cis-1,2-Dichloroethene	NA	ND (0.0011)	ND (0.0012)	ND (0.002)	0.01	0.014 J	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	0.00024 J	0.00039 J	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019)
cis-1,3-Dichloropropene	NA	ND (0.00057)	ND (0.00058)	ND (0.00098)	ND (0.0006)	ND (0.027)	ND (0.00054)	ND (0.00043)	ND (0.00046)	ND (0.00098)	ND (0.0004) J	ND (0.00053)	ND (0.00055)	ND (0.00047)	ND (0.00057)	ND (0.00057)	ND (0.00059)	ND (0.00067)	ND (0.00063)	ND (0.00094) J
Cymene (p-Isopropyltoluene)	NA	ND (0.0011)	ND (0.0012)	ND (0.002)	ND (0.0012)	0.067	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	0.0011	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019) J
Dibromochloromethane	NA	ND (0.0011)	ND (0.0012)	ND (0.002)	ND (0.0012)	ND (0.054)	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019)
Dibromomethane	NA	ND (0.0023)	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J
Dichlorodifluoromethane (CFC-12)	NA	ND (0.011)	ND (0.012)	ND (0.02)	ND (0.012)	ND (0.54)	ND (0.011)	ND (0.0087)	ND (0.0092)	ND (0.02)	ND (0.008)	ND (0.011)	ND (0.011)	ND (0.0093)	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.019)
Ethyl Ether	NA	ND (0.0023)	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037)
Ethylbenzene	NA	ND (0.0011)	ND (0.0012)	ND (0.002)	ND (0.0012)	0.023 J	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019) J
Hexachlorobutadiene	NA	ND (0.0046)	ND (0.0046)	ND (0.0078)	ND (0.0048)	ND (0.22)	ND (0.0043)	ND (0.0035)	ND (0.0037)	ND (0.0078)	0.0032 R	ND (0.0042)	ND (0.0044)	ND (0.0037)	ND (0.0046)	ND (0.0045)	ND (0.0047)	ND (0.0054)	ND (0.005)	ND (0.0075) J
Isopropylbenzene (Cumene)	NA	ND (0.0011)	ND (0.0012)	0.00027 J	ND (0.0012)	0.31	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019)
m,p-Xylenes	NA	ND (0.0023)	ND (0.0023)	ND (0.0039)	ND (0.0024)	0.13	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J
Methyl Tert Butyl Ether (MTBE)	NA	ND (0.0023)	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037)
Methylene chloride (Dichloromethane)	12	ND (0.0057)	ND (0.0058)	ND (0.0098)	ND (0.006)	ND (0.27)	ND (0.0054)	ND (0.0043)	ND (0.0046)	ND (0.0098)	ND (0.004) J	ND (0.0053)	ND (0.0055)	ND (0.0047)	ND (0.0057)	ND (0.0057)	ND (0.0059)	ND (0.0067)	ND (0.0063)	ND (0.0094)
Naphthalene	NA	ND (0.0046)	ND (0.0046)	0.0028 J	0.0016 J	ND (0.22)	ND (0.0043)	ND (0.0035)	ND (0.0037)	ND (0.0078)	0.0032 R	ND (0.0042)	0.00074 J	ND (0.0037)	ND (0.0046)	ND (0.0045)	ND (0.0047)	ND (0.0054)	ND (0.005)	ND (0.0075) J
n-Butylbenzene	NA	ND (0.0011)	ND (0.0012)	0.00058 J	ND (0.0012)	0.085	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019) J
n-Propylbenzene	NA	ND (0.0011)	ND (0.0012)	0.0012 J	0.00037 J	0.91	0.00019 J	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019) J
o-Xylene	NA	ND (0.0011)	ND (0.0012)	ND (0.002)	ND (0.0012)	0.043 J	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019) J
Styrene	NA	ND (0.0011)	ND (0.0012)	ND (0.002)	ND (0.0012)	ND (0.054)	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019) J
tert-Butylbenzene	NA	ND (0.0023)	ND (0.0023)	ND (0.0039)	ND (0.0024)	ND (0.11)	ND (0.0022)	ND (0.0017)	ND (0.0018)	ND (0.0039)	ND (0.0016) J	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0023)	ND (0.0023)	ND (0.0024)	ND (0.0027)	ND (0.0025)	ND (0.0037) J
Tetrachloroethene	2	ND (0.00057)	ND (0.00058)	ND (0.00098)	ND (0.0006)	ND (0.027)	0.00026 J	ND (0.00043)	ND (0.00046)	ND (0.00098)	ND (0.0004) J	ND (0.00053)	ND (0.00055)	0.00021 J	0.00028 J	ND (0.00057)	ND (0.00059)	ND (0.00067)	ND (0.00063)	ND (0.00094)
Toluene	36	ND (0.0011)	ND (0.0012)	ND (0.002)	ND (0.0012)	0.051 J	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	0.00077 J	ND (0.0013)	ND (0.0012)	ND (0.0019)
trans-1,2-Dichloroethene	NA	ND (0.0017)	ND (0.0017)	0.00035 J	0.00085 J	ND (0.081)	ND (0.0016)	ND (0.0013)	ND (0.0014)	ND (0.0029)	ND (0.0012) J	ND (0.0016)	ND (0.0016)	ND (0.0014)	ND (0.0017)	ND (0.0017)	ND (0.0018)	ND (0.002)	ND (0.0019)	ND (0.0028)
trans-1,3-Dichloropropene	NA	ND (0.0011)	ND (0.0012)	ND (0.002)	ND (0.0012)	ND (0.054)	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019) J
trans-1,4-Dichloro-2-butene	NA	ND (0.0057)	ND (0.0058)	ND (0.0098)	ND (0.006)	0.12 J	ND (0.0054)	ND (0.0043)	ND (0.0046)	ND (0.0098)	ND (0.004) J	ND (0.0053)	ND (0.0055)	ND (0.0047)	ND (0.0057)	ND (0.0057)	ND (0.0059)	ND (0.0067)	ND (0.0063)	ND (0.0094) J
Trichloroethene	2	ND (0.00057)	ND (0.00058)	ND (0.00098)	0.012	ND (0.027)	0.00045 J	0.00029 J	0.00054	ND (0.00098)	ND (0.0004) J	0.00022 J	ND (0.00055)	ND (0.00047)	0.0038	0.0036	ND (0.00059)	ND (0.00067)	ND (0.00063)	ND (0.00094)
Trichlorofluoromethane (CFC-11)	NA	ND (0.0046)	ND (0.0046)	ND (0.0078)	ND (0.0048)	ND (0.22)	ND (0.0043)	ND (0.0035)	ND (0.0037)	ND (0.0078)	ND (0.0032) J	ND (0.0042)	ND (0.0044)	ND (0.0037)	ND (0.0046)	ND (0.0045)	ND (0.0047)	ND (0.0054)	ND (0.005)	ND (0.0075)
Vinyl acetate	NA	ND (0.011)	ND (0.012)	ND (0.02)	ND (0.012)	ND (0.54) J	ND (0.011) J	ND (0.0087)	ND (0.0092)	ND (0.02) J	ND (0.008) J	ND (0.011) J	ND (0.011)	ND (0.0093)	ND (0.011) J	ND (0.011)	ND (0.012) J	ND (0.013) J	ND (0.012) J	0.019 R
Vinyl chloride	NA	ND (0.0011)	ND (0.0012)	ND (0.002)	0.0021	ND (0.054)	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008) J	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019)
Xylene (Total)	0.26	ND (0.0011)	ND (0.0012)	ND (0.002)	ND (0.0012)	0.17 J	ND (0.0011)	ND (0.00087)	ND (0.00092)	ND (0.002)	ND (0.0008)	ND (0.0011)	ND (0.0011)	ND (0.00093)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0013)	ND (0.0012)	ND (0.0019)

TABLE 3
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																			
Location Name	Restricted Use Soil	RI-SB-06	RI-SB-06	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-08	RI-SB-08	RI-SB-08	RI-SB-09	RI-SB-09	RI-SB-09	RI-SB-09	RI-SB-10	RI-SB-10	RI-SB-10	RI-SB-11
Sample Name	Cleanup Objectives -	RI-SB-06_10-12	RI-SB-06_20-22	RI-SB-07_0-2	RI-SB-07_10-12	RI-SB-07_20-22	RI-SB-07_23-25	RI-SB-07_25-27	RI-SB-07_27-29	RI-SB-08_0-2	RI-SB-08_3-5	RI-SB-08_10-12	RI-SB-09_0-2	RI-SB-09_10-12	RI-SB-09_20-22	RI-SB-09_22-24	RI-SB-10_0-2	RI-SB-10_2-4	RI-SB-10_10-12	RI-SB-11_0-2
Sample Date	Protection Ecological	02/13/2026	02/13/2026	02/05/2026	02/05/2026	02/13/2026	02/13/2026	03/16/2026	03/16/2026	02/04/2026	02/04/2026	02/04/2026	02/05/2026	02/05/2026	02/13/2026	03/16/2026	02/04/2026	02/04/2026	02/04/2026	02/05/2026
Lab Sample ID	Resources	L2608265-06	L2608265-07	L2606574-01	L2606574-02	L2608265-02	L2608265-03	L2614269-09	L2614269-10	L2606227-01	L2606227-02	L2606227-03	L2606574-04	L2606574-05	L2608265-04	L2614269-03	L2606227-08	L2606227-09	L2606227-10	L2606574-10
Sample Depth (bgs)	2025	10 - 12 (ft)	20 - 22 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	23 - 25 (ft)	25 - 27 (ft)	27 - 29 (ft)	0 - 2 (ft)	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 2 (ft)	2 - 4 (ft)	10 - 12 (ft)	0 - 2 (ft)
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4,5-Tetrachlorobenzene	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	0.033 J+	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)
1,2,4-Trichlorobenzene	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	0.027 J+	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)
1,2-Dichlorobenzene	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	0.04 J	0.092 J+	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)
1,3-Dichlorobenzene	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)
1,4-Dichlorobenzene	20	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	0.17 J	0.67	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)
1,4-Dioxane	0.1	ND (0.028)	ND (0.026)	ND (0.027)	ND (0.28)	ND (0.14)	ND (0.029)	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.026)	ND (0.027)	ND (0.028)	ND (0.027)	ND (0.028)	ND (0.029)	ND (0.027)	ND (0.027)
2,2'-oxybis(1-Chloropropane)	NA	ND (0.22)	ND (0.21)	ND (0.21)	ND (2.2)	ND (1.1)	ND (0.23)	ND (0.23)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.21)	ND (0.21)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.23)	ND (0.22)	ND (0.22)
2,4,5-Trichlorophenol	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)
2,4,6-Trichlorophenol	NA	ND (0.11)	ND (0.1)	ND (0.11)	ND (1.1)	ND (0.56)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)
2,4-Dichlorophenol	NA	ND (0.17)	ND (0.16)	ND (0.16)	ND (1.7)	ND (0.84)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.16)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)
2,4-Dimethylphenol	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)
2,4-Dinitrophenol	NA	ND (0.9)	ND (0.83)	ND (0.85)	ND (9)	ND (4.5)	ND (0.92)	ND (0.91)	ND (0.89)	ND (0.9)	0.9 R	ND (0.88)	ND (0.83)	ND (0.86)	ND (0.89)	ND (0.86)	ND (0.89)	ND (0.92)	ND (0.87)	0.86 R
2,4-Dinitrotoluene	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19) J	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18) J
2,6-Dinitrotoluene	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19) J	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18) J
2-Chloronaphthalene	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	0.024 J+	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)
2-Chlorophenol	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)
2-Methylnaphthalene	NA	0.046 J	ND (0.21)	ND (0.21)	ND (2.2)	0.67 J	0.17 J	ND (0.23)	ND (0.22)	ND (0.22)	0.1 J	ND (0.22)	ND (0.21)	ND (0.21)	0.098 J	0.03 J+	0.022 J	0.079 J	ND (0.22)	0.035 J
2-Methylphenol (o-Cresol)	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)
2-Nitroaniline	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)
2-Nitrophenol	NA	ND (0.4)	ND (0.37)	ND (0.38)	ND (4)	ND (2)	ND (0.42)	ND (0.41)	ND (0.4)	ND (0.41)	ND (0.4) J	ND (0.4)	ND (0.37)	ND (0.38)	ND (0.4)	ND (0.39)	ND (0.4)	ND (0.42)	ND (0.39)	ND (0.39) J
3&4-Methylphenol	NA	ND (0.27)	ND (0.25)	ND (0.26)	ND (2.7)	ND (1.4)	0.054 J	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.26)	ND (0.25)	ND (0.26)	0.032 J	ND (0.26)	ND (0.27)	ND (0.28)	ND (0.26)	ND (0.26)
3,3'-Dichlorobenzidine	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	0.19 R	0.19 R	0.18 R	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	0.19 R	0.19 R	0.18 R	ND (0.18) J
3-Nitroaniline	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)
4,6-Dinitro-2-methylphenol	NA	ND (0.49)	ND (0.45)	ND (0.46)	ND (4.9)	ND (2.4)	ND (0.5)	ND (0.49)	ND (0.48)	ND (0.49)	0.48 R	ND (0.48)	ND (0.45)	ND (0.46)	ND (0.48)	ND (0.47)	ND (0.48)	ND (0.5)	ND (0.47)	0.47 R
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)
4-Chloro-3-methylphenol	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)
4-Chloroaniline	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	0.19 R	0.19 R	0.18 R	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	0.19 R	0.19 R	0.18 R	ND (0.18) J
4-Chlorophenyl phenyl ether	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)
4-Nitroaniline	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18) J
4-Nitrophenol	NA	ND (0.26)	ND (0.24)	ND (0.25)	ND (2.6)	ND (1.3)	ND (0.27)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.24)	ND (0.25)	ND (0.26)	ND (0.25)	ND (0.26)	ND (0.27)	ND (0.25)	ND (0.25)
Acenaphthene	20	0.033 J	ND (0.14)	ND (0.14)	ND (1.5)	0.68 J	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	0.17	ND (0.15)	ND (0.14)	0.03 J	0.11 J	ND (0.14)	ND (0.15)	0.2	ND (0.14)	0.034 J
Acenaphthylene	NA	0.065 J	ND (0.14)	ND (0.14)	0.48 J	ND (0.75)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	0.13 J	ND (0.15)	ND (0.14)	0.028 J	0.2	ND (0.14)	0.066 J	ND (0.15)	ND (0.14)	0.1 J
Acetophenone	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	0.031 J	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)
Anthracene	NA	0.12	ND (0.1)	ND (0.11)	0.62 J	1	ND (0.12)	ND (0.11)	ND (0.11)	0.044 J	0.44	ND (0.11)	ND (0.1)	0.085 J	0.35	ND (0.11)	0.088 J	0.5	ND (0.11)	0.25
Benzo(a)anthracene	NA	0.37	ND (0.1)	0.071 J	1.4	1.9	0.12	ND (0.11)	ND (0.11)	0.12	1.5 J	ND (0.11)	0.035 J	0.25	0.95	0.026 J+	0.41	1.6	ND (0.11)	0.92 J
Benzo(a)pyrene	2.6	0.38	ND (0.14)	0.072 J	1.5	2	0.075 J	ND (0.15)	ND (0.15)	0.12 J	1.4 J	ND (0.15)	ND (0.14)	0.24	0.85	ND (0.14)	0.11 J	1.3	ND (0.14)	0.85 J
Benzo(b)fluoranthene	NA	0.55	ND (0.1)	0.11	1.7	2.5	0.16	ND (0.11)	ND (0.11)	0.16	1.8 J	ND (0.11)	0.044 J	0.34	1.4	ND (0.11)	0.45	1.4	ND (0.11)	1.1 J
Benzo(g,h,i)perylene	NA	0.27	ND (0.14)	0.058 J	1.2 J	1.2	0.084 J	ND (0.15)	ND (0.15)	0.1 J	0.88 J	0.036 J	0.022 J	0.17	0.52	0.075 J+	0.17	0.74	ND (0.14)	0.5 J
Benzo(k)fluoranthene	NA	0.16	ND (0.1)	0.033 J	0.62 J	0.79	0.055 J	ND (0.11)	ND (0.11)	0.046 J	0.48 J	ND (0.11)	ND (0.1)	0.1 J	0.37	ND (0.11)	0.12	0.42	ND (0.11)	0.41
Benzoic acid	NA	ND (0.61)	ND (0.56)	ND (0.58)	ND (6.1)	ND (3)	ND (0.62)	ND (0.61)	ND (0.6)	ND (0.61)	0.6 R	ND (0.6)	ND (0.56)	ND (0.58)	ND (0.6)	ND (0.58)	ND (0.6)	ND (0.62)	ND (0.59)	0.58 R
Benzyl Alcohol	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)
Biphenyl	NA	ND (0.43)	ND (0.39)	ND (0.4)	ND (4.3)	ND (2.1)	ND (0.44)	ND (0.43)	ND (0.42)	ND (0.43)	0.027 J	ND (0.42)	ND (0.39)	ND (0.41)	0.028 J	ND (0.41)	ND (0.42)	ND (0.44)	ND (0.42)	ND (0.41)
bis(2-Chloroethoxy)methane	NA	ND (0.2)	ND (0.19)	ND (0.19)	ND (2)	ND (1)	ND (0.21)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.21)	ND (0.2)	ND (0.19)
bis(2-Chloroethyl)ether	NA	ND (0.17)	ND (0.16)	ND (0.16)	ND (1.7)	ND (0.84)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17) J	ND (0.17)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.16)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)
bis(2-Ethylhexyl)phthalate	NA	0.13 J	ND (0.17)	0.18	0.86 J	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	0.072 J	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)
Butyl benzylphthalate (BBP)	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)
Carbazole	NA	0.1 J	ND (0.17)	ND (0.18)	0.24 J	0.35 J	ND (0.19)	ND (0.19)	ND (0.18)	0.023 J	0.16 J	ND (0.18)	ND (0.17)	0.046 J	0.41	ND (0.18)	ND (0.19)	0.12 J	ND (0.18)	0.063 J
Chrysene	NA	0.44	ND (0.1)	0.084 J	1.3	1.9	0.12	ND (0.11)	ND (0.11)	0.12	1.4 J	ND (0.11)	0.036 J	0.26	1.1	ND (0.11)	0.73	1.6	ND (0.11)	0.86 J
Dibenz(a,h)anthracene	NA	0.061 J	ND (0.1)	ND (0.11)	0.23 J	0.28 J	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	0.16	ND (0.11)	ND (0.1)	0.036 J	0.13	ND (0.11)	0.1 J	0.17	ND (0.11)	0.13
Dibenzofuran	NA	0.044 J	ND (0.17)	ND (0.18)	ND (1.9)	0.32 J	0.045 J	ND (0.19)	ND (0.18)	ND (0.19)	0.092 J	ND (0.18)	ND (0.17)	0.021 J	0.22	0.023 J+	ND (0.19)	0.1 J	ND (0.18)	0.034 J
Diethyl phthalate	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)
Dimethyl phthalate	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)
Di-n-butylphthalate (DBP)	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)
Di-n-octyl phthalate (DnOP)	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)
Fluoranthene	NA	0.83	ND (0.1)	0.15	2.6	3.1	0.22	ND (0.11)	ND (0.11)	0.24	2.6 J	ND (0.11)	0.059 J	0.53	2.4	ND (0.11)	0.47	2.6	ND (0.11)	1.5 J
Fluorene	30	0.055 J	ND (0.17)	ND (0.18)	0.2 J	0.63 J	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	0.15 J	ND (0.18)	ND (0.17)	0.03 J	0.39	ND (0.18)	0.02 J	0.2	ND (0.18)	0.045 J
Hexachlorobenzene	NA	ND (0.11)	ND (0.1)	ND (0.11)	ND (1.1)	ND (0.56)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	0.026 J+	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)
Hexachlorobutadiene	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)
Hexachlorocyclopentadiene	NA	ND (0.54)	ND (0.5)	ND (0.51)	ND (5.4)	ND (2.7)	ND (0.55)	ND (0.54)	ND (0.53)	ND (0.54)	ND (0.53) J	ND (0.53)	ND (0.49)	ND (0.51)	ND (0.53)	ND (0.51)	ND (0.53)	ND (0.55)	ND (0.52)	ND (0.51) J
Hexachloroethane	NA	ND (0.15)	ND (0.14)	ND (0.14)	ND (1.5)	ND (0.75)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.14)	ND (0.15)	ND (0.15)	ND (0.14)	ND (0.14) J
Indeno(1,2,3-cd)pyrene	NA	0.25	ND (0.14)	0.052 J	0.81 J	1.2	0.068 J	ND (0.15)	ND (0.15)	0.09 J	0.82 J	0.03 J	ND (0.14)	0.16	0.53	0.036 J+	0.15	0.64	ND (0.14)	0.46 J
Isophorone	NA	ND (0.17)	ND (0.16)	ND (0.16)	ND (1.7)	ND (0.84)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.16)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)
Naphthalene	NA	0.068 J	ND (0.17)	ND (0.18)	0.26 J	0.82 J	0.11 J	ND (0.19)	ND (0.18)	ND (0.19)	0.13 J	ND (0.18)	ND (0.17)	0.031 J	0.25	ND (0.18)	ND (0.19)	0.08 J	ND (0.18)	0.085 J
Nitrobenzene	2	ND (0.17)	ND (0.16)	ND (0.16)	ND (1.7)	ND (0.84)	ND (0.17)	ND (0.038)	ND (0.037)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.036)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)
N-Nitrosodi-n-propylamine	NA	ND (0.19)	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)
N-Nitrosodiphenylamine	NA	ND (0.15)	ND (0.14)	ND (0.14)	ND (1.5)	ND (0.75)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.14)	ND (0.15)	ND (0.15)	ND (0.14)	ND (0.14)
Pentachlorophenol	0.8	ND (0.15)	ND (0.14)	ND (0.14)	ND (1.5)	ND (0.75)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.14)	ND (0.15)	ND (0.15)	ND (0.14)	ND (0.14)
Phenanthrene	NA	0.7	ND (0.1)	0.1 J	2.2	3.7	0.11 J	ND (0.11)	ND (0.11)	0.2	2 J	ND (0.11)	0.028 J	0.37	2.6	0.026 J	0.085 J	3.4	ND (0.11)	0.66 J
Phenol	30	3	ND (0.17)	ND (0.18)	ND (1.9)	ND (0.94)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	0.03 J	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.18)
Pyrene	NA	0.67	ND (0.1)	0.13	2.7	2.7	0.15	ND (0.11)	ND (0.11)	0.22	2.5 J	ND (0.11)	0.052 J	0.45	1.8	ND (0.11)	0.68	3.3	ND (0.11)	1.3 J

TABLE 3
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																			
Location Name	Restricted Use Soil	RI-SB-06	RI-SB-06	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-08	RI-SB-08	RI-SB-08	RI-SB-09	RI-SB-09	RI-SB-09	RI-SB-09	RI-SB-10	RI-SB-10	RI-SB-10	RI-SB-11
Sample Name	Cleanup Objectives -	RI-SB-06_10-12	RI-SB-06_20-22	RI-SB-07_0-2	RI-SB-07_10-12	RI-SB-07_20-22	RI-SB-07_23-25	RI-SB-07_25-27	RI-SB-07_27-29	RI-SB-08_0-2	RI-SB-08_3-5	RI-SB-08_10-12	RI-SB-09_0-2	RI-SB-09_10-12	RI-SB-09_20-22	RI-SB-09_22-24	RI-SB-10_0-2	RI-SB-10_2-4	RI-SB-10_10-12	RI-SB-11_0-2
Sample Date	Protection Ecological	02/13/2026	02/13/2026	02/05/2026	02/05/2026	02/13/2026	02/13/2026	03/16/2026	03/16/2026	02/04/2026	02/04/2026	02/04/2026	02/05/2026	02/05/2026	02/13/2026	03/16/2026	02/04/2026	02/04/2026	02/04/2026	02/05/2026
Lab Sample ID	Resources	L2608265-06	L2608265-07	L2606574-01	L2606574-02	L2608265-02	L2608265-03	L2614269-09	L2614269-10	L2606227-01	L2606227-02	L2606227-03	L2606574-04	L2606574-05	L2608265-04	L2614269-03	L2606227-08	L2606227-09	L2606227-10	L2606574-10
Sample Depth (bgs)	2025	10 - 12 (ft)	20 - 22 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	23 - 25 (ft)	25 - 27 (ft)	27 - 29 (ft)	0 - 2 (ft)	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 2 (ft)	2 - 4 (ft)	10 - 12 (ft)	0 - 2 (ft)
PFAS (mg/kg)																				
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.000793)	ND (0.0008)	ND (0.000799)	ND (0.000798)	ND (0.000794)	ND (0.000802)	ND (0.0008)	ND (0.000793)	ND (0.000792)	ND (0.000801)	ND (0.000782)	ND (0.000799)	ND (0.000796)	ND (0.000792)	ND (0.000796)	ND (0.000788)	ND (0.000799)	ND (0.000794)	ND (0.000801)
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.00496)	ND (0.005)	ND (0.00499) J	ND (0.00499) J	ND (0.00496)	ND (0.00501)	ND (0.005)	ND (0.00495)	ND (0.00495)	ND (0.005)	ND (0.00489)	ND (0.005) J	ND (0.00498) J	ND (0.00495)	ND (0.00497)	ND (0.00493)	ND (0.005)	ND (0.00496)	ND (0.00501) J
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.00496)	ND (0.005)	ND (0.00499)	ND (0.00499)	ND (0.00496)	ND (0.00501)	ND (0.005)	ND (0.00495)	ND (0.00495)	ND (0.005)	ND (0.00489)	ND (0.005)	ND (0.00498)	ND (0.00495)	ND (0.00497)	ND (0.00493)	ND (0.005)	ND (0.00496)	ND (0.00501)
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.000992)	ND (0.001)	ND (0.000999)	ND (0.000997)	ND (0.000993)	ND (0.001)	ND (0.001)	ND (0.000991)	ND (0.00099)	ND (0.001)	ND (0.000978)	ND (0.000999)	ND (0.000996)	ND (0.00099)	ND (0.000994)	ND (0.000986)	ND (0.000999)	ND (0.000992)	ND (0.001)
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.000793)	ND (0.0008)	ND (0.000799)	ND (0.000798)	ND (0.000794)	ND (0.000802)	ND (0.0008)	ND (0.000793)	ND (0.000792)	ND (0.000801)	ND (0.000782)	ND (0.000799)	ND (0.000796)	ND (0.000792)	ND (0.000796)	ND (0.000788)	ND (0.000799)	ND (0.000794)	ND (0.000801)
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.000793)	ND (0.0008)	ND (0.000799)	ND (0.000798)	ND (0.000794)	ND (0.000802)	ND (0.0008)	ND (0.000793)	ND (0.000792)	ND (0.000801)	ND (0.000782)	ND (0.000799)	ND (0.000796)	ND (0.000792)	ND (0.000796)	ND (0.000788)	ND (0.000799)	ND (0.000794)	ND (0.000801)
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.000793)	ND (0.0008)	ND (0.000799)	ND (0.000798)	ND (0.000794)	ND (0.000802)	ND (0.0008)	ND (0.000793)	ND (0.000792)	ND (0.000801)	ND (0.000782)	ND (0.000799)	ND (0.000796)	ND (0.000792)	ND (0.000796)	ND (0.000788)	ND (0.000799)	ND (0.000794)	ND (0.000801)
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	ND (0.000793)	ND (0.0008)	ND (0.000799)	ND (0.000798)	ND (0.000794)	ND (0.000802)	ND (0.0008)	ND (0.000793)	ND (0.000792)	ND (0.000801)	ND (0.000782)	ND (0.000799)	ND (0.000796)	ND (0.000792)	ND (0.000796)	ND (0.000788)	ND (0.000799)	ND (0.000794)	ND (0.000801)
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.000793)	ND (0.0008)	ND (0.000799)	ND (0.000798)	ND (0.000794)	ND (0.000802)	ND (0.0008)	ND (0.000793)	ND (0.000792)	ND (0.000801)	ND (0.000782)	ND (0.000799)	ND (0.000796)	ND (0.000792)	ND (0.000796)	ND (0.000788)	ND (0.000799)	ND (0.000794)	ND (0.000801)
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002) J	ND (0.000198) J	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199) J	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00198)	ND (0.002)	ND (0.002)	ND (0.00199)	ND (0.00198)	ND (0.002) J	ND (0.002) J	ND (0.00198) J	ND (0.00198)	ND (0.002)	ND (0.00196)	ND (0.002)	ND (0.00199)	ND (0.00198) J	ND (0.00199) J	ND (0.00197)	ND (0.002)	ND (0.00198)	ND (0.002)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NA	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002) J	ND (0.000198) J	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199) J	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00198)	ND (0.002)	ND (0.002)	ND (0.00199)	ND (0.00198)	ND (0.002) J	ND (0.002) J	ND (0.00198) J	ND (0.00198)	ND (0.002)	ND (0.00196)	ND (0.002)	ND (0.00199)	ND (0.00198) J	ND (0.00199) J	ND (0.00197)	ND (0.002)	ND (0.00198)	ND (0.002)
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.000397)	ND (0.0004)	0.0004 R	0.000399 R	ND (0.000397)	ND (0.000401)	ND (0.0004)	ND (0.000396)	0.000396 R	0.0004 R	0.000391 R	0.0004 R	0.000398 R	ND (0.000396)	ND (0.000398)	0.000394 R	0.0004 R	0.000397 R	0.0004 R
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.000397)	ND (0.0004)	ND (0.0004)	ND (0.000399)	ND (0.000397)	ND (0.000401)	ND (0.0004)	ND (0.000396)	ND (0.000396)	ND (0.0004)	ND (0.000391)	ND (0.0004)	ND (0.000398)	ND (0.000396)	ND (0.000398)	ND (0.000394)	ND (0.0004)	ND (0.000397)	ND (0.0004)
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.000397)	ND (0.0004)	ND (0.0004)	ND (0.000399)	ND (0.000397)	ND (0.000401)	ND (0.0004)	ND (0.000396)	ND (0.000396)	ND (0.0004)	ND (0.000391)	ND (0.0004)	ND (0.000398)	ND (0.000396)	ND (0.000398)	ND (0.000394)	ND (0.0004)	ND (0.000397)	ND (0.0004)
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.000793)	ND (0.0008)	ND (0.000799)	ND (0.000798)	ND (0.000794)	ND (0.000802)	ND (0.0008)	ND (0.000793)	ND (0.000792)	ND (0.000801)	ND (0.000782)	ND (0.000799)	ND (0.000796)	ND (0.000792)	ND (0.000796)	ND (0.000788)	ND (0.000799)	ND (0.000794)	ND (0.000801)
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.000397)	ND (0.0004)	ND (0.0004)	ND (0.000399)	ND (0.000397)	ND (0.000401)	ND (0.0004)	ND (0.000396)	ND (0.000396)	ND (0.0004)	ND (0.000391)	ND (0.0004)	ND (0.000398)	ND (0.000396)	ND (0.000398)	ND (0.000394)	ND (0.0004)	ND (0.000397)	ND (0.0004)
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)
Perfluorobutanoic acid (PFBA)	NA	ND (0.000793)	ND (0.0008)	ND (0.000799)	ND (0.000798)	ND (0.000794)	ND (0.000802)	ND (0.0008)	ND (0.000793)	ND (0.000792)	ND (0.000801)	ND (0.000782)	ND (0.000799)	ND (0.000796)	ND (0.000792)	ND (0.000796)	ND (0.000788)	ND (0.000799)	ND (0.000794)	ND (0.000801)
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)
Perfluorodecanoic acid (PFDA)	NA	ND (0.000198)	ND (0.0002)	0.00011 J	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	0.00005 J	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	0.000063 J	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	0.000074 J
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)
Perfluorododecanoic acid (PFDoDA)	NA	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	0.000065 J	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)
Perfluoroheptanoic acid (PFHpA)	NA	ND (0.000198)	ND (0.0002)	0.000114 J	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	0.000092 J
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.000198) J	ND (0.0002) J	0.00008 J	0.000068 J	ND (0.000198) J	ND (0.0002) J	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	0.000082 J	ND (0.0002)	ND (0.000199)	ND (0.000198) J	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	0.000062 J
Perfluorohexanoic acid (PFHxA)	NA	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)
Perfluorononanoic acid (PFNA)	NA	ND (0.000198)	ND (0.0002)	0.000066 J	0.000054 J	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	0.000034 J	ND (0.000197)	ND (0.0002)	ND (0.000198)	0.000064 J
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)
Perfluorooctanesulfonic acid (PFOS)	NA	0.000482	0.000122 J	0.00039	0.000321	ND (0.000198)	0.00102	0.00034	0.00021	0.000238 J	0.0131 J	0.00452 J	0.000154 J	0.000422	0.000346	0.000442	0.00014 J	0.000378 J	0.00711 J	0.000573
Perfluorooctanoic acid (PFOA)	NA	0.00024	0.000066 J	0.000503	0.000315	0.00006 J	0.000078 J	0.000132 J	0.000048 J	0.000097 J	0.000078 J	0.000485	0.000056 J	0.000261	0.000176 J	0.000046 J	ND (0.000197)	ND (0.0002)	ND (0.000198)	0.000116 J
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)
Perfluoropentanoic acid (PFPeA)	NA	ND (0.000397)	ND (0.0004)	0.000122 J	ND (0.000399)	ND (0.000397)	0.000144 J	ND (0.0004)	ND (0.000396)	ND (0.000396)	0.000134 J	ND (0.000391)	ND (0.0004)	0.000092 J	0.000135 J	ND (0.000398)	ND (0.000394)	ND (0.0004)	ND (0.000397)	0.000202 J
Perfluorotetradecanoic acid (PFTeDA)	NA	ND (0.000198) J	ND (0.0002)	ND (0.0002) J	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198) J	ND (0.000198) J	ND (0.0002)	ND (0.000196) J	ND (0.0002) J	ND (0.000199) J	ND (0.000198)	ND (0.000199) J	ND (0.000197) J	ND (0.0002)	ND (0.000198)	ND (0.0002) J
Perfluorotridecanoic acid (PFTrDA)	NA	ND (0.000198) J	ND (0.0002)	ND (0.0002) J	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198) J	ND (0.000198) J	ND (0.0002)	ND (0.000196) J	ND (0.0002) J	ND (0.000199) J	ND (0.000198)	ND (0.000199) J	ND (0.000197) J	ND (0.0002)	ND (0.000198)	ND (0.0002) J
Perfluoroundecanoic acid (PFUnDA)	NA	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.000198)	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.0002)	ND (0.000199)	ND (0.000198)	ND (0.000199)	ND (0.000197)	ND (0.0002)	ND (0.000198)	ND (0.0002)
Pesticides (mg/kg)																				
4,4'-DDD	0.0033	ND (0.00178)	ND (0.00166)	ND (0.00171)	ND (0.0018)	ND (0.00178)	ND (0.00178)	ND (0.0018)	ND (0.00181)	ND (0.00176)	ND (0.00171)	ND (0.00172)	ND (0.00169)	0.00855	ND (0.00176)	ND (0.00174)	ND (0.00177)	ND (0.00177)	ND (0.00174)	ND (0.00174)
4,4'-DDE	0.0033	0.00235	ND (0.00166)	ND (0.00171)	ND (0.0018)	ND (0.00178)	ND (0.00178)	ND (0.0018)	ND (0.00181)	ND (0.00176)	ND (0.00171)	ND (0.00172)	0.000551 J	0.00247	ND (0.00176)	ND (0.00174)	ND (0.00177)	ND (0.00177)	ND (0.00174)	0.00135 J
4,4'-DDT	0.0033	0.00862	ND (0.00166)	ND (0.00171)	ND (0.0018)	ND (0.00178)	ND (0.00178)	ND (0.0018)	ND (0.00181)	0.00271 J	ND (0.00171)	ND (0.00172)	ND (0.00169)	0.01	ND (0.00176)	ND (0.00174)	ND (0.00177)	ND (0.00177)	ND (0.00174)	0.0054 J
Aldrin	0.14	ND (0.00178)	ND (0.00166)	ND (0.00171)	ND (0.0018)	ND (0.00178)	ND (0.00178)	ND (0.0018)	ND (0.00181)	ND (0.00176)	ND (0.00171)	ND (0.00172)	ND (0.00169)	ND (0.00165)	ND (0.00176)	ND (0.00174)	ND (0.00177)	ND (0.00177)	ND (0.00174)	ND (0.00174)
alpha-BHC	0.04	ND (0.000741)	ND (0.00069)	ND (0.000711)	ND (0.000748)	ND (0.000742)	ND (0.00074)	ND (0.00075)	ND (0.000754)	ND (0.000736)	ND (0.000713)	ND (0.000717)	ND (0.000704)	ND (0.000688)	ND (0.000733)	ND (0.000725)	ND (0.000738)	ND (0.000737)	ND (0.000725)	ND (0.000726)
alpha-Chlordane (cis)	1.3	0.00318 J	ND (0.00207)	0.0048	ND (0.00224)	ND (0.00223)	ND (0.00222)	ND (0.00225)	ND (0.00226)	0.0093 J	ND (0.00214)	ND (0.00215)	ND (0.00211)	ND (0.00206)	0.0034	ND (0.00218)	ND (0.00221)	ND (0.00221)	ND (0.00217)	0.0106 J
beta-BHC	0.6	ND (0.00178)	ND (0.00166)	ND (0.00171)	ND (0.0018)	ND (0.00178)	ND (0.00178)	ND (0.0018)	ND (0.00181)	ND (0.00176)	ND (0.00171)	ND (0.00172)	ND (0.00169)	ND (0.00165)	ND (0.00176)	ND (0.00174)	ND (0.00177)	ND (0.00177)	ND (0.00174)	ND (0.00174)
Chlordane	NA	ND (0.0148)	ND (0.0138)	ND (0.0142)	ND (0.015)	ND (0.0148)	ND (0.0148)	ND (0.015)	ND (0.0151)	0.0766	ND (0.0142)	ND (0.0143)	ND (0.0141)	ND (0.0138)	ND (0.0147)	ND (0.0145)	ND (0.0148)	ND (0.0147)	ND (0.0145)	ND (0.0145)
delta-BHC	0.04	ND (0.00178)	ND (0.00166)	ND (0.00171)	ND (0.0018)	ND (0.00178)	ND (0.00178)	ND (0.0018)	ND (0.00181)	ND (0.00176)	ND (0.00171)	ND (0.00172)	ND (0.00169)	ND (0.00165)	ND (0.00176)	ND (0.00174)	ND (0.00177)	ND (0.00177)	ND (0.00174)	ND (0.00174)
Dieldrin	0.006	ND (0.00111)	ND (0.00104)	ND (0.00107)	ND (0.00112)	ND (0.00111)	ND (0.00111)	ND (0.00112)	ND (0.00113)	ND (0.0011)	ND (0.00107)	ND (0.00108)	ND (0.00106)	ND (0.00103)	ND (0.0011)	ND (0.00109)	ND (0.00111)	ND (0.0011)	ND (0.00109)	ND (0.00109)
Endosulfan I	NA	ND (0.00178)	ND (0.00166)	ND (0.00171)	ND (0.0018)	ND (0.00178)	ND (0.00178)	ND (0.0018)	ND (0.00181)	ND (0.00176)	ND (0.00171)	ND (0.00172)	ND (0.00169)	ND (0.00165)	ND (0.00176)	ND (0.00174)	ND (0.00177)	ND (0.00177)	ND (0.00174)	ND (0.00174)
Endosulfan II	NA	ND (0.00178)	ND (0.00166)	ND (0.00171)	ND (0.0018)	ND (0.00178)	ND (0.00178)	ND (0.0018)	ND (0.00181)	ND (0.00176)	ND (0.00171)	ND (0.00172)	ND (0.00169)	ND (0.00165)	ND (0.00176)	ND (0.00174)	ND (0.00177)	ND (0.00177)	ND (0.00174)	ND (0.00174)
Endosulfan sulfate	NA	ND (0.000741)	ND (0.00069)	ND (0.000711)	ND (0.000748)	ND (0.000742)	ND (0.00074)	ND (0.00075)	ND (0.000754)	ND (0.000736)	ND (0.000713)	ND (0.000717)	ND (0.000704)	ND (0.000688)	ND (0.000733)	ND (0.000725)	ND (0.000738)	ND (0.000737)	ND (0.000725)	ND (0.000726)
Endrin	0.014	ND (0.000741)	ND (0.00069)	ND (0.000711)	ND (0.000748)	ND (0.000742)	ND (0.00074)	ND (0.00075)	ND (0.000754)	ND (0.000736)	ND (0.000713)	ND (0.000717)	ND (0.000704)	ND (0.000688)	ND (0.000733)	ND (0.000725)	ND (0.000738)	ND (0.000737)	ND (0.000725)	ND (0.000726)
Endrin aldehyde	NA	ND (0.00222)	ND (0.00207)	ND (0.00213)	ND (0.00224)	ND (0.00223)	ND (0.00222)	ND (0.00225)	ND (0.00226)	ND (0.00221)	ND (0.00214)	ND (0.00215)	ND (0.00211)	ND (0.00206)	ND (0.0022)	ND (0.00218)	ND (0.00221)	ND (0.00221)	ND (0.00217)	ND (0.00218)
Endrin ketone	NA	ND (0.00178)	ND (0.00166)	ND (0.00171)	ND (0.0018)	ND (0.00178)	ND (0.00178)	ND (0.0018)	ND (0.00181)	ND (0.00176)	ND (0.00171)	ND (0.00172)	ND (0.00169)	ND (0.00165)	ND (0.00176)	ND (0.00174)	ND (0.00177)	ND (0.00177)	ND (0.00174)	ND (0.00174)
gamma-BHC (Lindane)	6	ND (0.000741)	ND (0.00069)	ND (0.000711)	ND (0.000748)	ND (0.000742)	ND (0.00074)	ND (0.00075)	ND (0.000754)	ND (0.000736)	ND (0.000713)	ND (0.000717)	ND (0.000704)	ND (0.000688)	ND (0.000733)	ND (0.000725)	ND (0.000738)	ND (0.000737)	ND (0.000725)	ND (0.000726)
gamma-Chlordane (trans)	NA	0.00244 J	ND (0.00207)	0.00238 J	ND (0.00224)	ND (0.00223)	ND (0.00222)	ND (0.00225)	ND (0.00226)	0.0113	ND (0.00214)	ND (0.00215)	ND (0.00211)	ND (0.00206)	0.0012 J	ND (0.00218)	ND (0.00221)	ND (0.00221)	ND (0.00217)	0.0132
Heptachlor	0.14	ND (0.000889)	ND (0.000828)	ND (0.000853)	ND (0.000898)	ND (0.000891)	ND (0.000888)	ND (0.0009)	ND (0.000905)	ND (0.000883)	ND (0.000855)	ND (0.000861)	ND (0.000845)	ND (0.000826)	ND (0.00088)	ND (0.00087)	ND (0.000886)	ND (0.000884)	ND (0.00087)	ND (0.000871)
Heptachlor epoxide	NA	ND (0.00333)	ND (0.0031)	ND (0.0032)	ND (0.00337)	ND (0.00334)	ND (0.00333)	ND (0.00337)	ND (0.00339)	ND (0.00331)	ND (0.00321)	ND (0.00323)	ND (0.00317)	ND (0.0031)	ND (0.0033)	ND (0.00326)	ND (0.00332)	ND (0.00332)	ND (0.00326)	ND (0.00326)
Methoxychlor	NA	ND (0.00333)	ND (0.0031)	ND (0.0032)	ND (0.00337)	ND (0.00334)	ND (0.00333)	ND (0.00337)	ND (0.00339)	ND (0.00331)	ND (0.00321)	ND (0.00323)	ND (0.00317)	ND (0.0031)	ND (0.0033)	ND (0.00326)	ND (0.00332)	ND (0.00332)	ND (0.00326)	ND (0.00326)
Toxaphene	NA	ND (0.0333)	ND (0.031)	ND (0.032)	ND (0.0337)	ND (0.0334)	ND (0.0333)	ND (0.0337)	ND (0.0339)	ND (0.0331)	ND (0.0321)	ND (0.0323)	ND (0.0317)	ND (0.031)	ND (0.033)	ND (0.0326)	ND (0.0332)	ND (0.0332)	ND (0.0326)	ND (0.0326)
Polychlorinated Biphenyls (mg/kg)																				
Aroclor-1016 (PCB-1016)	NA	ND (0.0533)	ND (0.0526)	ND (0.0518)	ND (0.0545)	ND (0.0554)	ND (0.0568)	ND (0.0538)	ND (0.0567)	ND (0.0566)	ND (0.0538)	ND (0.0536)	ND (0.0494)	ND (0.0526)	ND (0.0548)	ND (0.0532)	ND (0.0542)	ND (0.0571)	ND (0.0533)	ND (0.0502)
Aroclor-1221 (PCB-1221)	NA	ND (0.0533)	ND (0.0526)	ND (0.0518)	ND (0.0545)	ND (0.0554)	ND (0.0568)	ND (0.0538)	ND (0.0567)	ND (0.0566)	ND (0.0538)	ND (0.0536)	ND (0.0494)	ND (0.0526)	ND (0.0548)	ND (0.0532)	ND (0.0542)	ND (0.0571)	ND (0.0533)	ND (0.0502)
Aroclor-1232 (PCB-1232)	NA	ND (0.0533)	ND (0.0526)	ND (0.0518)	ND (0.0545)	ND (0.0554)	ND (0.0568)	ND (0.0538)	ND (0.0567)	ND (0.0566)	ND (0.0538)	ND (0.0536)	ND (0.0494)	ND (0.0526)	ND (0.0548)	ND (0.0532)	ND (0.0542)	ND (0.0571)	ND (0.0533)	ND (0.0502)
Aroclor-1242 (PCB-1242)	NA	ND (0.0533)	ND (0.0526)	ND (0.0518)	ND (0.0545)	ND (0.0554)	ND (0.0568)	ND (0.0538)	ND (0.0567)	ND (0.0566)	ND (0.0538)	ND (0.0536)	ND (0.0494)	ND (0.0526)	ND (0.0548)	ND (0.0532)	ND (0.0542)	ND (0.0571)	ND (0.0533)	ND (0.0502)
Aroclor-1248 (PCB-1248)	NA	ND (0.0533)	ND (0.0526)	ND (0.0518)	ND (0.0545)	ND (0.0554)	ND (0.0568)	ND (0.0538)	ND (0.0567)	ND (0.0566)	ND (0.0538)	ND (0.0536)	ND (0.0494)	ND (0.0526)	ND (0.0548)	ND (0.0532)	ND (0.0542)	ND (0.0571)	ND (0.0533)	ND (0.0502)
Aroclor-1254 (PCB-1254)	NA	0.0262 J	ND (0.0526)	0.0232 J	ND (0.0545)	0.731	0.0993	ND (0.0538)	ND (0.0567)	0.0452 J	0.872	ND (0.0536)	ND (0.0494)	0.0355 J	0.0608	ND (0.0532)	ND (0.0542)	ND (0.0571)	ND (0.0533)	0.0536
Aroclor-1260 (PCB-1260)	NA	0.0732	ND (0.0526)	0.0113 J	0.236	0.203 J	0.0374 J	ND (0.0538)	ND (0.0567)	0.0113 J	ND (0.0538)	ND (0.0536)	ND (0.0494)	0.0439 J	0.0701	ND (0.0532)	ND (0.0542)	ND (0.0571)	ND (0.0533)	ND (0.0502)
Aroclor-1262 (PCB-1262)	NA	ND (0.0533)	ND (0.0526)	ND (0.0518)	ND (0.0545)	ND (0.0554)	ND (0.0568)	ND (0.0538)	ND (0.0567)	ND (0.0566)	ND (0.0538)	ND (0.0536)	ND (0.0494)	ND (0.0526)	ND (0.0548)	ND (0.0532)	ND (0.0542)	ND (0.0571)	ND (0.0533)	ND (0.0502)
Aroclor-1268 (PCB-1268)	NA	0.151	ND (0.0526)	ND (0.0518)	ND (0.0545)	ND (0.0554)	ND (0.0568)	ND (0.0538)	ND (0.0567)	ND (0.0566)	ND (0.0538)	ND (0.0536)	ND (0.0494)	0.036 J	0.084	ND (0.0532)	ND (0.0542)	ND (0.0571)	ND (0.0533)	0.0228 J
Polychlorinated biphenyls (PCBs)	1	0.25 J	ND (0.0526)	0.0345 J	0.236	0.934	0.137 J	ND (0.0538)	ND (0.0567)	0.0565 J	0.872	ND (0.0536)	ND (0.0494)	0.115 J	0.215	ND (0.0532)	ND (0.0542)	ND (0.0571)	ND (0.0533)	0.0764 J

TABLE 3
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																				
Location Name	Restricted Use Soil	RI-SB-06	RI-SB-06	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-08	RI-SB-08	RI-SB-08	RI-SB-09	RI-SB-09	RI-SB-09	RI-SB-09	RI-SB-10	RI-SB-10	RI-SB-10	RI-SB-11
Sample Name	Cleanup Objectives -	RI-SB-06_10-12	RI-SB-06_20-22	RI-SB-07_0-2	RI-SB-07_10-12	RI-SB-07_20-22	RI-SB-07_23-25	RI-SB-07_25-27	RI-SB-07_27-29	RI-SB-08_0-2	RI-SB-08_3-5	RI-SB-08_10-12	RI-SB-09_0-2	RI-SB-09_10-12	RI-SB-09_20-22	RI-SB-09_22-24	RI-SB-10_0-2	RI-SB-10_2-4	RI-SB-10_10-12	RI-SB-11_0-2
Sample Date	Protection Ecological	02/13/2026	02/13/2026	02/05/2026	02/05/2026	02/13/2026	02/13/2026	03/16/2026	03/16/2026	02/04/2026	02/04/2026	02/04/2026	02/05/2026	02/05/2026	02/13/2026	03/16/2026	02/04/2026	02/04/2026	02/04/2026	02/05/2026
Lab Sample ID	Resources	L2608265-06	L2608265-07	L2606574-01	L2606574-02	L2608265-02	L2608265-03	L2614269-09	L2614269-10	L2606227-01	L2606227-02	L2606227-03	L2606574-04	L2606574-05	L2608265-04	L2614269-03	L2606227-08	L2606227-09	L2606227-10	L2606574-10
Sample Depth (bgs)	2025	10 - 12 (ft)	20 - 22 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	23 - 25 (ft)	25 - 27 (ft)	27 - 29 (ft)	0 - 2 (ft)	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 2 (ft)	2 - 4 (ft)	10 - 12 (ft)	0 - 2 (ft)
Inorganic Compounds (mg/kg)																				
Aluminum	NA	7540	6350	8540	5750	8450	6310	10200	8550	8020	8930	5430	6000	7770	7010	8860	2430	2980	4600	6120
Antimony	NA	ND (4.31) J	ND (4.21) J	ND (4.14) J	ND (4.48) J	ND (8.9) J	ND (4.49) J	ND (4.57)	ND (4.52)	ND (4.46) J	ND (4.28) J	ND (4.33) J	ND (4.12) J	ND (4.32) J	ND (4.33) J	ND (4.31)	ND (4.45) J	ND (4.42) J	ND (4.29) J	ND (4.21) J
Arsenic	13	2.58	0.746 J	2.54 J-	5.15 J-	4.44	2.09	1.78	2.18	2.06 J-	8.96 J-	2.04 J-	1.37 J-	2.79 J-	2.32	1.96	3.45 J-	5.11 J-	2.32 J-	6.28 J-
Barium	433	77.2 J+	69 J+	79	85.6	121 J+	85.5 J+	54.9	75.7	67.1	41.4	14.2	47.9	63	61.8 J+	172	28.2	27.9	14.2	87.6
Beryllium	10	0.319 J	0.277 J	0.322 J	1.17	0.352 J	0.335 J	0.376 J	0.193 J	0.267 J	0.375 J	0.305 J	0.178 J	0.222 J	0.326 J	0.331 J	0.168 J	0.222 J	0.272 J	0.246 J
Cadmium	4	0.171 J+	ND (0.841)	0.097 J	1.45	0.736 J+	0.303 J+	0.43 J	0.157 J	0.094 J	0.149 J	0.118 J	ND (0.824)	ND (0.864)	0.29 J+	ND (0.861)	ND (0.89)	0.055 J	0.071 J	ND (0.843)
Calcium	NA	15200 J	24900 J	9740	9590	9650 J	3030 J	14200	2720	14500 J+	2290 J+	854 J+	16500	10200	13000 J	22000	4460 J+	5380 J+	1540 J+	24200
Chromium	NA	19.7	13.7	22 J-	62.2 J-	75.6	13.7	19.5	15.8	20.9	13.3	13.5	14.7 J-	19.3 J-	30.3	16.3	7.02	8.18	20.9	18.4 J-
Chromium VI (Hexavalent)	20	0.912 R	0.856 R	0.421 J	ND (0.917)	0.917 R	0.199 J-	ND (0.92)	ND (0.92)	ND (0.911)	ND (0.897)	ND (0.888)	ND (0.847)	ND (0.876)	0.899 R	ND (0.879)	ND (0.895)	ND (0.931)	0.201 J	ND (0.877)
Cobalt	NA	6.27 J	6.34 J	7.02	9.99	14.2 J	4.35 J	10.9	7.2	7.34	8.55	5.59	6.66	6.73	6.58 J	7.61	3.33	4.03	5.19	5.06
Copper	50	33.9	19.4	29.6 J-	99.9 J-	141	42.9	21.8	19.5	35.1 J+	22.5 J+	13.9 J+	25.8 J-	30.7 J-	176	16.3	7.19 J+	12.6 J+	10.2 J+	39.8 J-
Iron	NA	14200	11400	14700	23000	34200	12000	16400	14500	14400	19000	10400	11700	13900	13400	14500	6290	7770	10800	16900
Lead	63	79.2 J+	3.34 J+	57.4 J-	124 J-	122 J+	69.7 J+	10.5	11.2	89 J+	56.5 J+	4.67 J+	16.3 J-	51.4 J-	72.8 J+	5.19	8.98 J+	29.6 J+	5.48 J+	74.6 J-
Magnesium	NA	7470 J	13600 J	6640	5050	4790 J	2720 J	13200	4280	8630 J+	2580 J+	3150 J+	11400	8220	7480 J	15900	1660 J+	1230 J+	1720 J+	7170
Manganese	1600	292 J	236 J	293	328	412 J	79.6 J	428	209	235	356	162	202	262	242 J	399	162	174	142	212
Mercury	0.18	0.096	ND (0.078)	0.061 J	0.168	0.165	0.178	ND (0.078)	ND (0.072)	ND (0.083)	0.16	ND (0.082)	0.057 J	0.091	0.053 J	ND (0.09)	ND (0.077)	ND (0.081)	ND (0.082)	0.126
Nickel	30	15.2 J+	14.4 J+	16.2	35.1	53.5 J+	11.1 J+	20.4	13.3	18.5	11	10.3	14.1	15.8	20.5 J+	13.7	8.5	9.45	9.58	12.7
Potassium	NA	1960 J-	3090 J-	2050 J-	684 J-	2550 J-	1380 J-	2630	3000	2240	498	745	1700 J-	1770 J-	1520 J-	1830	576	310	559	1440 J-
Selenium	3.9	ND (1.72)	ND (1.68)	ND (1.66)	ND (1.79)	0.732 J	0.365 J	ND (1.83)	ND (1.81)	ND (1.78)	ND (1.71)	ND (1.73)	ND (1.65)	ND (1.73)	ND (1.73)	ND (1.72)	ND (1.78)	ND (1.77)	ND (1.72)	ND (1.68)
Silver	2	0.595 J+	ND (0.421)	ND (0.414)	0.722	0.861 J+	ND (0.449)	3.59	1.36	ND (0.446)	ND (0.428)	ND (0.433)	ND (0.412)	ND (0.432)	0.832 J+	0.498	ND (0.445)	ND (0.442)	ND (0.429)	ND (0.421)
Sodium	NA	147 J	136 J	126 J+	173 J+	ND (356)	ND (180)	ND (183)	118 J	142 J	ND (171)	ND (173)	ND (165)	ND (173)	122 J	ND (172)	ND (178)	ND (177)	ND (172)	122 J+
Thallium	NA	ND (1.72)	ND (1.68)	ND (1.66)	ND (1.79)	ND (3.56)	ND (1.8)	ND (1.83)	ND (1.81)	ND (1.78)	ND (1.71)	ND (1.73)	ND (1.65)	ND (1.73)	ND (1.73)	ND (1.72)	ND (1.78)	ND (1.77)	ND (1.72)	ND (1.68)
Vanadium	NA	24.2	20.2	26.7 J-	26.6 J-	22.5	16.8	27.5	20.6	27.6	27.2	14.7	21.8 J-	25.9 J-	21.7	23.2	8.04	9.1	11.7	23 J-
Zinc	109	98	33.4	81.9 J-	2300 J-	212	166	126	49	75.7	55.4	46.5	46.3 J-	81.2 J-	240	33.6	33.2	72.6	25.8	103 J-
TCLP Inorganic Compounds (mg/L)																				
Lead	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other																				
Total Solids (%)	NA	87.7	93.5	92.7	87.2	87.2	85.3	86.9	87	87.8	89.2	90.1	94.4	91.3	89	91	89.4	85.9	89.6	91.2
Cyanide (mg/kg)	NA	0.45 J	ND (1)	6.4 J-	4.5 J-	2.1	1.5	ND (1.1)	ND (1.1)	ND (1.1) J	ND (1.1) J	ND (1.1) J	ND (1) J	ND (1) J	ND (1.1)	ND (1.1)	ND (1.1) J	ND (1.1) J	ND (1) J	0.89 J-

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram
mg/L: milligram per liter
-: Not Analyzed
B: Compound was found in the blank and the associated sample.
bgs: below ground surface
F: Results are considered to be an estimated maximum concentration
ft: feet
I: The lower value for the two columns has been reported due to obvious interference.
J-: Value is estimated, low bias.
J: Value is estimated.
J+: Value is estimated, high bias.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
P: The RPD between the results for the two columns exceeds the method-specified criteria.
R: Rejected

- 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 Protection of Ecological Resources Soil Cleanup Objectives (SCO).
- Grey shading indicates an exceedance of the Protection of Ecological Resources Soil Cleanup Objectives (SCO).

TABLE 3
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																			
Location Name	Restricted Use Soil	RI-SB-11	RI-SB-11	RI-SB-12	RI-SB-12	RI-SB-12	RI-SB-13	RI-SB-13	RI-SB-13	RI-SB-13	RI-SB-13	RI-SB-13	RI-SB-14	RI-SB-14	RI-SB-14	RI-SB-14	RI-SB-15	RI-SB-15	RI-SB-15	RI-SB-15
Sample Name	Cleanup Objectives -	RI-SB-11_8-10	RI-SB-11_11-13	RI-SB-12_0-2	RI-SB-12_3-5	RI-SB-12_10-12	RI-SB-13_0-2	RI-SB-13_10-12	RI-SB-13_20-22	RI-SB-13_22-24	DUP-01_20260316	RI-SB-14_0-2	RI-SB-14_10-12	RI-SB-14_20-22	RI-SB-14_22-24	RI-SB-15_0-2	RI-SB-15_10-12	RI-SB-15_20-22	RI-SB-15_22-24
Sample Date	Protection Ecological	02/05/2026	02/05/2026	02/03/2026	02/03/2026	02/03/2026	02/12/2026	02/12/2026	02/12/2026	03/16/2026	03/16/2026	02/16/2026	02/16/2026	02/16/2026	03/16/2026	02/16/2026	02/16/2026	02/16/2026	03/16/2026
Lab Sample ID	Resources	L2606574-11	L2606574-12	L2605921-04	L2605921-05	L2605921-06	L2607931-02	L2607931-03	L2607931-04	L2614269-11	L2614269-12	L2608462-09	L2608462-10	L2608462-11	L2614269-07	L2608462-12	L2608462-13	L2608462-14	L2614269-14
Sample Depth (bgs)	2025	8 - 10 (ft)	11 - 13 (ft)	0 - 2 (ft)	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	22 - 24 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)
Volatile Organic Compounds (mg/kg)																			
1,1,1,2-Tetrachloroethane	NA	ND (0.00061)	ND (0.00067)	ND (0.00053)	ND (0.00052)	ND (0.00057)	ND (0.00051)	ND (0.00045)	ND (0.00062)	ND (0.00047)	ND (0.00052)	ND (0.00052)	ND (0.00056)	ND (0.00054)	ND (0.00045)	ND (0.00052)	ND (0.00056)	ND (0.00059)	ND (0.00052)
1,1,1-Trichloroethane	NA	ND (0.00061)	ND (0.00067)	ND (0.00053)	0.00056	ND (0.00057)	ND (0.00051)	ND (0.00045)	0.0072	0.0022 J	ND (0.00052) J	ND (0.00052)	ND (0.00056)	0.00022 J	0.0018	ND (0.00052)	ND (0.00056)	ND (0.00059)	0.0017
1,1,2,2-Tetrachloroethane	NA	ND (0.00061)	ND (0.00067)	ND (0.00053)	ND (0.00052)	ND (0.00057)	ND (0.00051)	ND (0.00045)	ND (0.00062)	ND (0.00047)	ND (0.00052)	ND (0.00052)	ND (0.00056)	ND (0.00054)	ND (0.00045)	ND (0.00052)	ND (0.00056)	ND (0.00059)	ND (0.00052)
1,1,2-Trichloroethane	NA	ND (0.0012)	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	ND (0.0012)	ND (0.00094)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)
1,1-Dichloroethane	NA	ND (0.0012)	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	0.00092 J	ND (0.00094)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)
1,1-Dichloroethene	NA	ND (0.0012)	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	0.00036 J	ND (0.00094)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)
1,1-Dichloropropene	NA	ND (0.00061)	ND (0.00067)	ND (0.00053)	ND (0.00052)	ND (0.00057)	ND (0.00051)	ND (0.00045)	ND (0.00062)	ND (0.00047)	ND (0.00052)	ND (0.00052)	ND (0.00056)	ND (0.00054)	ND (0.00045)	ND (0.00052)	ND (0.00056)	ND (0.00059)	ND (0.00052)
1,2,3-Trichlorobenzene	NA	ND (0.0024)	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)
1,2,3-Trichloropropane	NA	ND (0.0024)	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)
1,2,4,5-Tetramethylbenzene	NA	ND (0.0024)	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019) J	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018) J	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)
1,2,4-Trichlorobenzene	NA	ND (0.0024)	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)
1,2,4-Trimethylbenzene	NA	ND (0.0024)	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	0.00096 J	ND (0.0025)	ND (0.0019)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)
1,2-Dibromo-3-chloropropane (DBCP)	NA	ND (0.0037)	ND (0.004)	ND (0.0032)	ND (0.0031)	ND (0.0034)	ND (0.003)	ND (0.0027)	ND (0.0038)	ND (0.0028)	ND (0.0031)	ND (0.0031)	ND (0.0034)	ND (0.0033)	ND (0.0027)	ND (0.0031)	ND (0.0034)	ND (0.0035)	ND (0.0031)
1,2-Dibromoethane (Ethylene Dibromide)	NA	ND (0.0012)	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	ND (0.0012)	ND (0.00094)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)
1,2-Dichlorobenzene	NA	ND (0.0024)	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)
1,2-Dichloroethane	10	ND (0.0012)	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	ND (0.0012)	ND (0.00094)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)
1,2-Dichloroethene (total)	NA	ND (0.0012)	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	ND (0.0012)	ND (0.00094)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)
1,2-Dichloropropane	NA	ND (0.0012)	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	ND (0.0012)	ND (0.00094)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)
1,3,5-Trimethylbenzene	NA	ND (0.0024)	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	0.00047 J	ND (0.0025)	ND (0.0019)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)
1,3-Dichlorobenzene	NA	ND (0.0024)	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)
1,3-Dichloropropane	NA	ND (0.0024)	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)
1,3-Dichloropropene	NA	ND (0.00061)	ND (0.00067)	ND (0.00053)	ND (0.00052)	ND (0.00057)	ND (0.00051)	ND (0.00045)	ND (0.00062)	ND (0.00047)	ND (0.00052)	ND (0.00052)	ND (0.00056)	ND (0.00054)	ND (0.00045)	ND (0.00052)	ND (0.00056)	ND (0.00059)	ND (0.00052)
1,4-Dichlorobenzene	20	ND (0.0024)	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)
1,4-Diethylbenzene	NA	ND (0.0024)	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	0.00032 J	ND (0.0025)	ND (0.0019)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)
1,4-Dioxane	0.1	ND (0.098)	ND (0.11)	ND (0.085)	ND (0.083)	ND (0.092)	ND (0.081)	ND (0.072)	ND (0.1)	ND (0.075)	ND (0.082)	ND (0.083)	ND (0.089)	ND (0.087)	ND (0.072)	ND (0.084)	ND (0.09)	ND (0.094)	ND (0.084)
2,2-Dichloropropane	NA	ND (0.0024)	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)
2-Butanone (Methyl Ethyl Ketone)	100	ND (0.012)	0.021	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	0.042	0.0049 J	ND (0.0094)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0091)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.01)
2-Chlorotoluene	NA	ND (0.0024)	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)
2-Hexanone (Methyl Butyl Ketone)	NA	ND (0.012)	ND (0.013)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.009)	ND (0.012)	ND (0.0094)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0091)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.01)
2-Phenylbutane (sec-Butylbenzene)	NA	ND (0.0012)	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	ND (0.0012)	ND (0.00094)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)
4-Chlorotoluene	NA	ND (0.0024)	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	ND (0.0024)	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	0.0005 J	ND (0.0025)	ND (0.0019)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	ND (0.012)	ND (0.013)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	0.0024 J	ND (0.012)	ND (0.0094)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0091)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.01)
Acetone	2.2	ND (0.012)	0.14	ND (0.011)	ND (0.01)	0.0076 J	ND (0.01)	0.041	0.017	ND (0.0094)	ND (0.01)	ND (0.01)	ND (0.015)	0.029	ND (0.0091)	ND (0.01)	ND (0.011)	0.045	ND (0.01)
Acrylonitrile	NA	ND (0.0049)	ND (0.0054)	ND (0.0042)	ND (0.0042)	ND (0.0046)	ND (0.0041)	ND (0.0036)	ND (0.005)	ND (0.0038)	ND (0.0041)	ND (0.0041)	ND (0.0045)	ND (0.0043)	ND (0.0036)	ND (0.0042)	ND (0.0045)	ND (0.0047)	ND (0.0042)
Benzene	70	ND (0.00061)	ND (0.00067)	0.00018 J	ND (0.00052)	0.00043 J	ND (0.00051)	0.0015	0.00028 J	0.00016 J	ND (0.00052)	ND (0.00052)	0.00031 J	0.00027 J	ND (0.00045)	ND (0.00052)	0.00035 J	0.0022	ND (0.00052)
Bromobenzene	NA	ND (0.0024)	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)
Bromodichloromethane	NA	ND (0.00061)	ND (0.00067)	ND (0.00053)	ND (0.00052)	ND (0.00057)	ND (0.00051)	ND (0.00045)	ND (0.00062)	ND (0.00047)	ND (0.00052)	ND (0.00052)	ND (0.00056)	ND (0.00054)	ND (0.00045)	ND (0.00052)	ND (0.00056)	ND (0.00059)	ND (0.00052)
Bromoform	NA	ND (0.0049)	ND (0.0054)	ND (0.0042)	ND (0.0042)	ND (0.0046)	ND (0.0041)	ND (0.0036)	ND (0.005)	ND (0.0038)	ND (0.0041)	ND (0.0041)	ND (0.0045)	ND (0.0043)	ND (0.0036)	ND (0.0042)	ND (0.0045)	ND (0.0047)	ND (0.0042)
Bromomethane (Methyl Bromide)	NA	ND (0.0024)	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)
Carbon disulfide	NA	ND (0.012)	ND (0.013)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.009)	ND (0.012)	ND (0.0094)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0091)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.01)
Carbon tetrachloride	NA	ND (0.0012)	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	ND (0.0012)	ND (0.00094)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)
Chlorobenzene	40	ND (0.00061)	ND (0.00067)	ND (0.00053)	ND (0.00052)	ND (0.00057)	ND (0.00051)	ND (0.00045)	ND (0.00062)	ND (0.00047)	ND (0.00052)	ND (0.00052)	ND (0.00056)	ND (0.00054)	ND (0.00045)	ND (0.00052)	ND (0.00056)	ND (0.00059)	ND (0.00052)
Chlorobromomethane	NA	ND (0.0024)	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)
Chloroethane	NA	ND (0.0024)	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)
Chloroform (Trichloromethane)	12	ND (0.0018)	ND (0.002)	ND (0.0016)	ND (0.0016)	0.00038 J	ND (0.0015)	ND (0.0013)	0.00028 J	ND (0.0014)	ND (0.0015)	ND (0.0016)	ND (0.0017)	ND (0.0016)	ND (0.0014)	ND (0.0016)	ND (0.0017)	ND (0.0018)	ND (0.0016)
Chloromethane (Methyl Chloride)	NA	ND (0.0049)	ND (0.0054)	ND (0.0042)	ND (0.0042)	ND (0.0046)	ND (0.0041)	ND (0.0036)	ND (0.005)	ND (0.0038)	ND (0.0041)	ND (0.0041)	ND (0.0045)	ND (0.0043)	ND (0.0036)	ND (0.0042)	ND (0.0045)	ND (0.0047)	ND (0.0042)
cis-1,2-Dichloroethene	NA	ND (0.0012)	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	ND (0.0012)	ND (0.00094)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)
cis-1,3-Dichloropropene	NA	ND (0.00061)	ND (0.00067)	ND (0.00053)	ND (0.00052)	ND (0.00057)	ND (0.00051)	ND (0.00045)	ND (0.00062)	ND (0.00047)	ND (0.00052)	ND (0.00052)	ND (0.00056)	ND (0.00054)	ND (0.00045)	ND (0.00052)	ND (0.00056)	ND (0.00059)	ND (0.00052)
Cymene (p-Isopropyltoluene)	NA	ND (0.0012)	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	0.0002 J	ND (0.0012)	ND (0.00094)	ND (0.001)	0.00035 J	0.00046 J	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)
Dibromochloromethane	NA	ND (0.0012)	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	ND (0.0012)	ND (0.00094)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)
Dibromomethane	NA	ND (0.0024)	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)
Dichlorodifluoromethane (CFC-12)	NA	ND (0.012)	ND (0.013)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.009)	ND (0.012)	ND (0.0094)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0091)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.01)
Ethyl Ether	NA	ND (0.0024)	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)
Ethylbenzene	NA	ND (0.0012)	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	0.0027	ND (0.0012)	ND (0.00094)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)
Hexachlorobutadiene	NA	ND (0.0049)	ND (0.0054)	ND (0.0042)	ND (0.0042)	ND (0.0046)	ND (0.0041)	ND (0.0036)	ND (0.005)	ND (0.0038)	ND (0.0041)	ND (0.0041)	ND (0.0045)	ND (0.0043)	ND (0.0036)	ND (0.0042)	ND (0.0045)	ND (0.0047)	ND (0.0042)
Isopropylbenzene (Cumene)	NA	ND (0.0012)	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	0.00035 J	ND (0.0012)	ND (0.00094)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)
m,p-Xylenes	NA	ND (0.0024)	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	0.014	ND (0.0025)	ND (0.0019)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)
Methyl Tert Butyl Ether (MTBE)	NA	ND (0.0024)	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)
Methylene chloride (Dichloromethane)	12	ND (0.0061)	ND (0.0067)	ND (0.0053)	ND (0.0052)	ND (0.0057)	ND (0.0051)	ND (0.0045)	ND (0.0062)	ND (0.0047)	ND (0.0052)	ND (0.0052)	ND (0.0056)	ND (0.0054)	ND (0.0045)	ND (0.0052)	ND (0.0056)	ND (0.0059)	ND (0.0052)
Naphthalene	NA	ND (0.0049)	ND (0.0054)	ND (0.0042)	ND (0.0042)	ND (0.0046)	ND (0.0041)	ND (0.0051)	ND (0.005)	ND (0.0038)	ND (0.0041)	ND (0.0041)	0.0022 J	ND (0.0043)	ND (0.0036)	ND (0.0042)	0.0012 J	ND (0.0047)	ND (0.0042)
n-Butylbenzene	NA	ND (0.0012)	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	ND (0.0012)	ND (0.00094)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)
n-Propylbenzene	NA	ND (0.0012)	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	0.00017 J	ND (0.0012)	ND (0.00094)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)
o-Xylene	NA	ND (0.0012)	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	0.0094	ND (0.0012)	ND (0.00094)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)
Styrene	NA	ND (0.0012)	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	ND (0.0012)	ND (0.00094)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)
tert-Butylbenzene	NA	ND (0.0024)	ND (0.0027)	ND (0.0021)	ND (0.0021)	ND (0.0023)	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0019)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (0.0018)	ND (0.0021)	ND (0.0022)	ND (0.0023)	ND (0.0021)
Tetrachloroethene	2	0.0003 J	ND (0.00067)	ND (0.00053)	ND (0.00052)	ND (0.00057)	ND (0.00051)	0.0011	ND (0.00062)	ND (0.00047)	ND (0.00052)	ND (0.00052)	ND (0.00056)	ND (0.00054)	ND (0.00045)	ND (0.00052)	ND (0.00056)	0.0022	ND (0.00052)
Toluene	36	ND (0.0012)	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	0.0035	ND (0.0012)	ND (0.00094)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	0.0011 J	ND (0.001)
trans-1,2-Dichloroethene	NA	ND (0.0018)	ND (0.002)	ND (0.0016)	ND (0.0016)	ND (0.0017)	ND (0.0015)	ND (0.0013)	ND (0.0019)	ND (0.0014)	ND (0.0015)	ND (0.0016)	ND (0.0017)	ND (0.0016)	ND (0.0014)	ND (0.0016)	ND (0.0017)	ND (0.0018)	ND (0.0016)
trans-1,3-Dichloropropene	NA	ND (0.0012)	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	ND (0.0012)	ND (0.00094)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)
trans-1,4-Dichloro-2-butene	NA	ND (0.0061)	ND (0.0067)	ND (0.0053)	ND (0.0052)	ND (0.0057)	ND (0.0051)	ND (0.0045)	ND (0.0062)	ND (0.0047)	ND (0.0052)	ND (0.0052)	ND (0.0056)	ND (0.0054)	ND (0.0045)	ND (0.0052)	ND (0.0056)	ND (0.0059)	ND (0.0052)
Trichloroethene	2	ND (0.00061)	ND (0.00067)	ND (0.00053)	ND (0.00052)	ND (0.00057)	ND (0.00051)	0.0013	0.00032 J	0.00062	0.00034 J	0.00023 J	0.001	0.00099	0.00073	ND (0.00052)	ND (0.00056)	0.00019 J	ND (0.00052)
Trichlorofluoromethane (CFC-11)	NA	ND (0.0049)	ND (0.0054)	ND (0.0042)	ND (0.0042)	ND (0.0046)	ND (0.0041)	ND (0.0036)	ND (0.005)	ND (0.0038)	ND (0.0041)	ND (0.0041)	ND (0.0045)	ND (0.0043)	ND (0.0036)	ND (0.0042)	ND (0.0045)	ND (0.0047)	ND (0.0042)
Vinyl acetate	NA	ND (0.012)	ND (0.013)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.009)	ND (0.012)	ND (0.0094)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0091)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.01)
Vinyl chloride	NA	ND (0.0012)	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	ND (0.0009)	ND (0.0012)	ND (0.00094)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)
Xylene (Total)	0.26	ND (0.0012)	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.001)	0.023	ND (0.0012)	ND (0.00094)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.00091)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)

TABLE 3
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																			
Location Name	Restricted Use Soil	RI-SB-11	RI-SB-11	RI-SB-12	RI-SB-12	RI-SB-12	RI-SB-13	RI-SB-13	RI-SB-13	RI-SB-13	RI-SB-13	RI-SB-14	RI-SB-14	RI-SB-14	RI-SB-14	RI-SB-15	RI-SB-15	RI-SB-15	RI-SB-15
Sample Name	Cleanup Objectives -	RI-SB-11_8-10	RI-SB-11_11-13	RI-SB-12_0-2	RI-SB-12_3-5	RI-SB-12_10-12	RI-SB-13_0-2	RI-SB-13_10-12	RI-SB-13_20-22	RI-SB-13_22-24	DUP-01_20260316	RI-SB-14_0-2	RI-SB-14_10-12	RI-SB-14_20-22	RI-SB-14_22-24	RI-SB-15_0-2	RI-SB-15_10-12	RI-SB-15_20-22	RI-SB-15_22-24
Sample Date	Protection Ecological	02/05/2026	02/05/2026	02/03/2026	02/03/2026	02/03/2026	02/12/2026	02/12/2026	02/12/2026	03/16/2026	03/16/2026	02/16/2026	02/16/2026	02/16/2026	03/16/2026	02/16/2026	02/16/2026	02/16/2026	03/16/2026
Lab Sample ID	Resources	L2606574-11	L2606574-12	L2605921-04	L2605921-05	L2605921-06	L2607931-02	L2607931-03	L2607931-04	L2614269-11	L2614269-12	L2608462-09	L2608462-10	L2608462-11	L2614269-07	L2608462-12	L2608462-13	L2608462-14	L2614269-14
Sample Depth (bgs)	2025	8 - 10 (ft)	11 - 13 (ft)	0 - 2 (ft)	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	22 - 24 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
1,2,4-Trichlorobenzene	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19) J	ND (0.19) J	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
1,2-Dichlorobenzene	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19) J	ND (0.19) J	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
1,3-Dichlorobenzene	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19) J	ND (0.19) J	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
1,4-Dichlorobenzene	20	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19) J	ND (0.19) J	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
1,4-Dioxane	0.1	ND (0.028)	ND (0.026)	ND (0.027)	ND (0.027)	ND (0.026)	ND (0.028)	ND (0.029)	ND (0.029)	ND (0.026)	ND (0.025)	ND (0.028)	ND (0.03)	ND (0.028)	ND (0.031)	ND (0.028)	ND (0.027)	ND (0.033)	ND (0.029)
2,2'-oxybis(1-Chloropropane)	NA	ND (0.22)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.2)	ND (0.22)	ND (0.23)	ND (0.23)	ND (0.21)	ND (0.2)	ND (0.23)	ND (0.24)	ND (0.22)	ND (0.24)	ND (0.23)	ND (0.22)	ND (0.26)	ND (0.23)
2,4,5-Trichlorophenol	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	0.22 R	ND (0.19)
2,4,6-Trichlorophenol	NA	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	0.13 R	ND (0.11)
2,4-Dichlorophenol	NA	ND (0.17)	ND (0.16) J	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.15)	ND (0.17)	ND (0.18)	ND (0.16)	ND (0.18)	ND (0.17)	ND (0.16)	ND (0.2)	ND (0.17)
2,4-Dimethylphenol	NA	ND (0.18)	ND (0.17) J	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
2,4-Dinitrophenol	NA	ND (0.89)	ND (0.84)	ND (0.86)	ND (0.85)	ND (0.82)	ND (0.88)	ND (0.93)	ND (0.92)	ND (0.83)	ND (0.81)	ND (0.91)	ND (0.98)	ND (0.88)	ND (0.98)	ND (0.91)	ND (0.88)	1 R	ND (0.92)
2,4-Dinitrotoluene	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
2,6-Dinitrotoluene	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
2-Chloronaphthalene	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
2-Chlorophenol	NA	ND (0.18)	ND (0.17) J	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
2-Methylnaphthalene	NA	0.033 J	0.13 J	ND (0.21)	0.028 J	0.045 J	ND (0.22) J	ND (0.23)	ND (0.23)	ND (0.21)	ND (0.2)	0.033 J	0.051 J	0.036 J	ND (0.24)	ND (0.23)	ND (0.22)	0.037 J	ND (0.23)
2-Methylphenol (o-Cresol)	NA	ND (0.18)	ND (0.17) J	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
2-Nitroaniline	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
2-Nitrophenol	NA	ND (0.4)	ND (0.38) J	ND (0.39)	ND (0.38)	ND (0.37)	ND (0.4)	ND (0.42)	ND (0.42)	ND (0.37)	ND (0.36)	ND (0.41)	ND (0.44)	ND (0.4)	ND (0.44)	ND (0.41)	ND (0.39)	ND (0.47)	ND (0.41)
3&4-Methylphenol	NA	ND (0.27)	ND (0.25) J	ND (0.26)	0.074 J	ND (0.24)	0.047 J	0.058 J	ND (0.28)	ND (0.25)	ND (0.24)	ND (0.27)	ND (0.29)	ND (0.26)	ND (0.29)	ND (0.27)	ND (0.26)	ND (0.31)	ND (0.28)
3,3'-Dichlorobenzidine	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
3-Nitroaniline	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
4,6-Dinitro-2-methylphenol	NA	ND (0.48)	ND (0.45)	ND (0.46)	ND (0.46)	ND (0.44)	ND (0.48)	ND (0.5)	ND (0.5)	ND (0.45)	ND (0.44)	ND (0.49)	ND (0.53)	ND (0.48)	ND (0.53)	ND (0.49)	ND (0.47)	0.57 R	ND (0.5)
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
4-Chloro-3-methylphenol	NA	ND (0.18)	ND (0.17) J	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
4-Chloroaniline	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19) J	ND (0.19) J	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
4-Chlorophenyl phenyl ether	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
4-Nitroaniline	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
4-Nitrophenol	NA	ND (0.26)	ND (0.24)	ND (0.25)	ND (0.25)	ND (0.24)	ND (0.26)	ND (0.27)	ND (0.27)	ND (0.24)	ND (0.24)	ND (0.27)	ND (0.28)	ND (0.26)	ND (0.29)	ND (0.26)	ND (0.26)	0.3 R	ND (0.27)
Acenaphthene	20	0.02 J	0.039 J	ND (0.14)	ND (0.14)	0.14	ND (0.15) J	ND (0.15)	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.15)	0.12 J	0.074 J	ND (0.16)	0.026 J	ND (0.15)	0.036 J	ND (0.15)
Acenaphthylene	NA	0.065 J	0.26	ND (0.14)	0.04 J	0.074 J	ND (0.15) J	ND (0.15)	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.17)	ND (0.15)
Acetophenone	NA	ND (0.18)	ND (0.17)	ND (0.18)	0.022 J	ND (0.17)	ND (0.18)	ND (0.19) J	ND (0.19) J	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
Anthracene	NA	0.084 J	0.45	ND (0.11)	0.075 J	0.39	ND (0.11) J	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.1)	0.05 J	0.15	0.11	ND (0.12)	0.094 J	0.043 J	0.1 J	0.076 J
Benzo(a)anthracene	NA	0.3	1.2	0.098 J	0.27	0.75	0.11 J-	0.13	0.14	0.023 J+	ND (0.1)	0.21	0.32	0.27	ND (0.12)	0.3	0.13	0.44	0.26
Benzo(a)pyrene	2.6	0.31	1.4	0.096 J	0.25	0.71	0.083 J-	0.13 J	0.12 J	ND (0.14)	ND (0.14)	0.18	0.27	0.22	ND (0.16)	0.28	0.12 J	0.43	0.24
Benzo(b)fluoranthene	NA	0.44	1.8	0.13	0.32	0.92	0.17 J-	0.21	0.2	ND (0.1)	ND (0.1)	0.23	0.36	0.29	ND (0.12)	0.36	0.15	0.58	0.27
Benzo(g,h,i)perylene	NA	0.22	0.8	0.092 J	0.15	0.5	0.093 J-	0.11 J	0.1 J	ND (0.14)	ND (0.14)	0.12 J	0.18	0.14 J	ND (0.16)	0.18	0.081 J	0.29	0.15
Benzo(k)fluoranthene	NA	0.11	0.53	0.037 J	0.12	0.29	0.048 J-	0.069 J	0.053 J	ND (0.1)	ND (0.1)	0.079 J	0.13	0.087 J	ND (0.12)	0.12	0.044 J	0.2	0.092 J
Benzoic acid	NA	ND (0.6)	ND (0.56) J	0.58 R	ND (0.57)	0.55 R	ND (0.59)	ND (0.63)	0.2 J+	ND (0.56)	ND (0.55)	0.4 J	0.23 J	ND (0.6)	ND (0.66)	ND (0.61)	ND (0.59)	ND (0.71)	ND (0.62)
Benzyl Alcohol	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19) J	ND (0.19) J	ND (0.17)	ND (0.17)	0.23	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
Biphenyl	NA	ND (0.42)	0.034 J	ND (0.41)	ND (0.4)	ND (0.39)	ND (0.42) J	ND (0.44)	ND (0.44)	ND (0.4)	ND (0.38)	ND (0.43)	ND (0.46)	ND (0.42)	ND (0.47)	ND (0.43)	ND (0.42)	ND (0.5)	ND (0.44)
bis(2-Chloroethoxy)methane	NA	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.21) J	ND (0.21) J	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.22)	ND (0.2)	ND (0.22)	ND (0.2)	ND (0.2)	ND (0.24)	ND (0.21)
bis(2-Chloroethyl)ether	NA	ND (0.17)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.17) J	ND (0.17) J	ND (0.16)	ND (0.15)	ND (0.17)	ND (0.18)	ND (0.16)	ND (0.18)	ND (0.17)	ND (0.16)	ND (0.2)	ND (0.17)
bis(2-Ethylhexyl)phthalate	NA	ND (0.18)	ND (0.17)	ND (0.18)	2.3	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	0.35	0.48	ND (0.19)
Butyl benzylphthalate (BBP)	NA	ND (0.18)	ND (0.17)	ND (0.18)	25	0.065 J	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
Carbazole	NA	0.035 J	0.046 J	ND (0.18)	0.028 J	0.11 J	ND (0.18) J	ND (0.19)	0.022 J	ND (0.17)	ND (0.17)	0.028 J	0.077 J	0.044 J	ND (0.2)	0.04 J	0.022 J	0.052 J	ND (0.19)
Chrysene	NA	0.34	1.3	0.1 J	0.27	0.72	0.14 J-	0.16	0.17	0.02 J+	ND (0.1)	0.23	0.34	0.29	ND (0.12)	0.32	0.14	0.48	0.25
Dibenz(a,h)anthracene	NA	0.059 J	0.2	ND (0.11)	0.034 J	0.098 J	ND (0.11) J	0.026 J	0.022 J	ND (0.1)	ND (0.1)	0.03 J	0.041 J	0.034 J	ND (0.12)	0.041 J	ND (0.11)	0.066 J	0.03 J
Dibenzofuran	NA	0.032 J	0.064 J	ND (0.18)	ND (0.18)	0.11 J	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	0.052 J	0.073 J	0.032 J	ND (0.2)	ND (0.19)	ND (0.18)	0.021 J	ND (0.19)
Diethyl phthalate	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
Dimethyl phthalate	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
Di-n-butylphthalate (DBP)	NA	ND (0.18)	ND (0.17)	ND (0.18)	0.047 J	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
Di-n-octyl phthalate (DnOP)	NA	ND (0.18)	ND (0.17)	ND (0.18)	1.6	ND (0.17)	ND (0.18) J	ND (0.19)	ND (0.19)	0.084 J+	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
Fluoranthene	NA	0.55	1.5	0.18	0.46	1.8	0.19 J-	0.28	0.31	ND (0.1)	ND (0.1)	0.31	0.57	0.5	ND (0.12)	0.53	0.23	0.68	0.46
Fluorene	30	0.03 J	0.059 J	ND (0.18)	0.02 J	0.12 J	ND (0.18) J	ND (0.19)	ND (0.19)	ND (0.17)	ND (0.17)	0.021 J	0.099 J	0.052 J	ND (0.2)	0.028 J	0.021 J	0.032 J	ND (0.19)
Hexachlorobenzene	NA	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11) J	ND (0.12)	ND (0.12)	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.11)
Hexachlorobutadiene	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19) J	ND (0.19) J	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
Hexachlorocyclopentadiene	NA	ND (0.53)	ND (0.5)	ND (0.51)	ND (0.51)	ND (0.49)	ND (0.52) J	ND (0.55)	ND (0.55)	ND (0.5)	ND (0.48)	ND (0.54)	ND (0.58)	ND (0.52)	ND (0.58)	ND (0.54)	ND (0.52)	ND (0.62)	ND (0.55)
Hexachloroethane	NA	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.15) J	ND (0.15) J	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.17)	ND (0.15)
Indeno(1,2,3-cd)pyrene	NA	0.18	0.69	0.058 J	0.14	0.46	0.074 J-	0.1 J	0.087 J	ND (0.14)	ND (0.14)	0.11 J	0.17	0.14 J	ND (0.16)	0.16	0.075 J	0.28	0.13 J
Isophorone	NA	ND (0.17)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.15)	ND (0.17)	ND (0.18)	ND (0.16)	ND (0.18)	ND (0.17)	ND (0.16)	ND (0.2)	ND (0.17)
Naphthalene	NA	0.057 J	0.29	ND (0.18)	0.037 J	0.062 J	ND (0.18)	ND (0.19) J	ND (0.19) J	ND (0.17)	ND (0.17)	ND (0.19)	0.088 J	0.039 J	ND (0.2)	ND (0.19)	ND (0.18)	0.037 J	ND (0.19)
Nitrobenzene	2	ND (0.17)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.17)	ND (0.17)	ND (0.035)	ND (0.034)	ND (0.17)	ND (0.18)	ND (0.16)	ND (0.041)	ND (0.17)	ND (0.16)	ND (0.2)	ND (0.038)
N-Nitrosodi-n-propylamine	NA	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.19) J	ND (0.19) J	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
N-Nitrosodiphenylamine	NA	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.15) J	ND (0.15)	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.17)	ND (0.15)
Pentachlorophenol	0.8	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.15)	0.17 R	ND (0.15)
Phenanthrene	NA	0.34	0.42	0.089 J	0.23	1.5	0.11	0.16	0.27	ND (0.1)	ND (0.1)	0.25	0.57	0.5	ND (0.12)	0.38	0.18	0.43	0.38
Phenol	30	ND (0.18)	ND (0.17) J	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	0.045 J	ND (0.19)	ND (0.17)	ND (0.17)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)
Pyrene	NA	0.48	1.7	0.18	0.42	1.5	0.16 J-	0.23	0.26	0.017 J+	ND (0.1)	0.27	0.49	0.46	ND (0.12)	0.47	0.21	0.57	0.54

TABLE 3
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																			
Location Name	Restricted Use Soil	RI-SB-11	RI-SB-11	RI-SB-12	RI-SB-12	RI-SB-12	RI-SB-13	RI-SB-13	RI-SB-13	RI-SB-13	RI-SB-13	RI-SB-13	RI-SB-14	RI-SB-14	RI-SB-14	RI-SB-14	RI-SB-15	RI-SB-15	RI-SB-15	RI-SB-15
Sample Name	Cleanup Objectives -	RI-SB-11_8-10	RI-SB-11_11-13	RI-SB-12_0-2	RI-SB-12_3-5	RI-SB-12_10-12	RI-SB-13_0-2	RI-SB-13_10-12	RI-SB-13_20-22	RI-SB-13_22-24	DUP-01_20260316	RI-SB-14_0-2	RI-SB-14_10-12	RI-SB-14_20-22	RI-SB-14_22-24	RI-SB-15_0-2	RI-SB-15_10-12	RI-SB-15_20-22	RI-SB-15_22-24	
Sample Date	Protection Ecological	02/05/2026	02/05/2026	02/03/2026	02/03/2026	02/03/2026	02/12/2026	02/12/2026	02/12/2026	03/16/2026	03/16/2026	02/16/2026	02/16/2026	02/16/2026	03/16/2026	02/16/2026	02/16/2026	02/16/2026	03/16/2026	
Lab Sample ID	Resources	L2606574-11	L2606574-12	L2605921-04	L2605921-05	L2605921-06	L2607931-02	L2607931-03	L2607931-04	L2614269-11	L2614269-12	L2608462-09	L2608462-10	L2608462-11	L2614269-07	L2608462-12	L2608462-13	L2608462-14	L2614269-14	
Sample Depth (bgs)	2025	8 - 10 (ft)	11 - 13 (ft)	0 - 2 (ft)	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	22 - 24 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	
PFAS (mg/kg)																				
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.000799)	ND (0.000808)	ND (0.000788)	ND (0.000808)	ND (0.000807)	ND (0.000793)	ND (0.000789)	ND (0.0008)	ND (0.000796)	ND (0.000795)	ND (0.000802)	ND (0.000798)	ND (0.000797)	ND (0.000797)	ND (0.000792)	ND (0.00079)	ND (0.000794)	ND (0.000799)	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.00499) J	ND (0.00505)	ND (0.00493)	ND (0.00505)	ND (0.00504)	ND (0.00496)	ND (0.00493)	ND (0.005)	ND (0.00497)	ND (0.00497)	ND (0.00501)	ND (0.00499)	ND (0.00498)	ND (0.00498)	ND (0.00495)	ND (0.00494)	ND (0.00496)	ND (0.00496)	ND (0.00499)
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.00499)	ND (0.00505)	ND (0.00493)	ND (0.00505)	ND (0.00504)	ND (0.00496)	ND (0.00493)	ND (0.005)	ND (0.00497)	ND (0.00497)	ND (0.00501)	ND (0.00499)	ND (0.00498)	ND (0.00498)	ND (0.00495)	ND (0.00494)	ND (0.00496)	ND (0.00499)	
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.000999)	ND (0.00101)	ND (0.000985)	ND (0.00101)	ND (0.00101)	ND (0.000991)	ND (0.000986)	ND (0.001)	ND (0.000995)	ND (0.000993)	ND (0.001)	ND (0.000998)	ND (0.000996)	ND (0.000996)	ND (0.00099)	ND (0.000988)	ND (0.000992)	ND (0.000998)	
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.000799)	ND (0.000808)	ND (0.000788)	ND (0.000808)	ND (0.000807)	ND (0.000793)	ND (0.000789)	ND (0.0008)	ND (0.000796)	ND (0.000795)	ND (0.000802)	ND (0.000798)	ND (0.000797)	ND (0.000797)	ND (0.000792)	ND (0.00079)	ND (0.000794)	ND (0.000799)	
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.000799)	ND (0.000808) J	ND (0.000788)	ND (0.000808)	ND (0.000807)	ND (0.000793)	ND (0.000789)	ND (0.0008)	ND (0.000796)	ND (0.000795)	ND (0.000802)	ND (0.000798)	ND (0.000797)	ND (0.000797)	ND (0.000792)	ND (0.00079)	ND (0.000794)	ND (0.000799)	
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.000799)	ND (0.000808) J	ND (0.000788)	ND (0.000808)	ND (0.000807)	ND (0.000793)	ND (0.000789)	ND (0.0008)	ND (0.000796)	ND (0.000795)	ND (0.000802)	ND (0.000798)	ND (0.000797)	ND (0.000797)	ND (0.000792)	ND (0.00079)	ND (0.000794)	ND (0.000799)	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	ND (0.000799)	ND (0.000808) J	ND (0.000788)	ND (0.000808)	ND (0.000807)	ND (0.000793)	ND (0.000789)	ND (0.0008)	ND (0.000796)	ND (0.000795)	ND (0.000802)	ND (0.000798)	ND (0.000797)	ND (0.000797)	ND (0.000792)	ND (0.00079)	ND (0.000794)	ND (0.000799)	
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.000799)	ND (0.000808)	ND (0.000788)	ND (0.000808)	ND (0.000807)	ND (0.000793)	ND (0.000789)	ND (0.0008)	ND (0.000796)	ND (0.000795)	ND (0.000802)	ND (0.000798)	ND (0.000797)	ND (0.000797)	ND (0.000792)	ND (0.00079)	ND (0.000794)	ND (0.000799)	
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.0002)	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	ND (0.000198)	ND (0.0002)	
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.0002)	ND (0.000202)	ND (0.000197) J	ND (0.000202) J	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199) J	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199) J	ND (0.000198) J	ND (0.000198)	ND (0.000198)	ND (0.0002)	
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.002)	ND (0.00202)	ND (0.00197) J	ND (0.00202) J	ND (0.00202) J	ND (0.00198) J	ND (0.00197)	ND (0.002)	ND (0.00199) J	ND (0.00199) J	ND (0.002) J	ND (0.002)	ND (0.00199)	ND (0.00199) J	ND (0.00198) J	ND (0.00198) J	ND (0.00198) J	ND (0.002) J	
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NA	ND (0.0002)	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	ND (0.000198)	ND (0.0002)	
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.0002)	ND (0.000202)	ND (0.000197) J	ND (0.000202) J	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199) J	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199) J	ND (0.000198) J	ND (0.000198)	ND (0.000198)	ND (0.0002)	
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.002)	ND (0.00202)	ND (0.00197) J	ND (0.00202)	ND (0.00202) J	ND (0.00198) J	ND (0.00197)	ND (0.002)	ND (0.00199) J	ND (0.00199) J	ND (0.002)	ND (0.002)	ND (0.00199)	ND (0.00199) J	ND (0.00198) J	ND (0.00198)	ND (0.00198)	ND (0.002) J	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	0.0004 R	0.000404 R	ND (0.000394)	ND (0.000404)	ND (0.000404)	0.000396 R	0.000394 R	0.0004 R	ND (0.000398)	ND (0.000397)	ND (0.000401)	ND (0.000399)	ND (0.000399)	ND (0.000398)	ND (0.000396)	ND (0.000395)	ND (0.000397)	ND (0.000399)	
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.0004)	ND (0.000404)	ND (0.000394)	ND (0.000404)	ND (0.000404)	ND (0.000396)	ND (0.000394)	ND (0.0004)	ND (0.000398)	ND (0.000397)	ND (0.000401)	ND (0.000399)	ND (0.000399)	ND (0.000398)	ND (0.000396)	ND (0.000395)	ND (0.000397)	ND (0.000399)	
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.0004)	ND (0.000404)	ND (0.000394)	ND (0.000404)	ND (0.000404)	ND (0.000396)	ND (0.000394)	ND (0.0004)	ND (0.000398)	ND (0.000397)	ND (0.000401)	ND (0.000399)	ND (0.000399)	ND (0.000398)	ND (0.000396)	ND (0.000395)	ND (0.000397)	ND (0.000399)	
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.000799)	ND (0.000808)	ND (0.000788)	ND (0.000808)	ND (0.000807)	ND (0.000793)	ND (0.000789)	ND (0.0008)	ND (0.000796)	ND (0.000795)	ND (0.000802)	ND (0.000798)	ND (0.000797)	ND (0.000797)	ND (0.000792)	ND (0.00079)	ND (0.000794)	ND (0.000799)	
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.0004)	ND (0.000404)	ND (0.000394)	ND (0.000404)	ND (0.000404)	ND (0.000396)	ND (0.000394)	ND (0.0004)	ND (0.000398)	ND (0.000397)	ND (0.000401)	ND (0.000399)	ND (0.000399)	ND (0.000398)	ND (0.000396)	ND (0.000395)	ND (0.000397)	ND (0.000399)	
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.0002)	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	ND (0.000198)	ND (0.0002)	
Perfluorobutanoic acid (PFBA)	NA	ND (0.000799)	ND (0.000808)	ND (0.000788)	ND (0.000808)	ND (0.000807)	ND (0.000793)	ND (0.000789)	ND (0.0008)	ND (0.000796)	ND (0.000795)	ND (0.000802)	ND (0.000798)	ND (0.000797)	ND (0.000797)	ND (0.000792)	ND (0.00079)	ND (0.000794)	ND (0.000799)	
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.0002)	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	ND (0.000198)	ND (0.0002)	
Perfluorodecanoic acid (PFDA)	NA	ND (0.0002)	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	0.00007 J	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	0.000125 J	ND (0.0002)	
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.0002)	ND (0.000202)	ND (0.000197) J	ND (0.000202) J	ND (0.000202) J	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	ND (0.000198)	ND (0.0002)	
Perfluorododecanoic acid (PFDoDA)	NA	ND (0.0002)	ND (0.000202) J	ND (0.000197) J	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	ND (0.000198)	ND (0.0002)	
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.0002)	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	ND (0.000198)	ND (0.0002)	
Perfluoroheptanoic acid (PFHpA)	NA	ND (0.0002)	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	0.000194 J	ND (0.0002)	
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.0002)	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	0.00006 J	ND (0.0002)	
Perfluorohexanoic acid (PFHxA)	NA	ND (0.0002)	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	0.000938	ND (0.0002)	
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.0002)	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	ND (0.000198)	ND (0.0002)	
Perfluorononanoic acid (PFNA)	NA	ND (0.0002)	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	0.000091 J	0.000038 J	ND (0.0002)	ND (0.000199)	ND (0.000199)	0.000102 J	0.000038 J	ND (0.000199)	ND (0.000199)	0.000067 J	ND (0.000198)	0.000069 J	ND (0.0002)	
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.0002)	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	ND (0.000198)	ND (0.0002)	
Perfluorooctanesulfonic acid (PFOS)	NA	0.000535	0.000331	0.000116 J	ND (0.000202)	0.000167 J	0.000585	0.000416	0.000174 J	ND (0.000199)	ND (0.000199)	0.000676	0.000279	0.000145 J	ND (0.000199)	0.000517	0.000403	0.000569	ND (0.0002)	
Perfluorooctanoic acid (PFOA)	NA	0.000138 J	0.000172 J	0.000057 J	0.000044 J	0.000075 J	0.000218	0.000215	0.000106 J	ND (0.000199)	ND (0.000199)	0.000232	0.000225	0.000096 J	ND (0.000199)	0.000291	0.000247	0.000591	0.000052 J	
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.0002)	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	ND (0.000198)	ND (0.0002)	
Perfluoropentanoic acid (PFPeA)	NA	ND (0.0004)	ND (0.000404)	ND (0.000394)	ND (0.000404)	0.000097 J	ND (0.000396)	ND (0.000394)	ND (0.0004)	ND (0.000398)	ND (0.000397)	ND (0.000401)	ND (0.000399)	ND (0.000399)	ND (0.000398)	ND (0.000396)	ND (0.000395)	0.00139	0.000226 J	
Perfluorotetradecanoic acid (PFTeDA)	NA	ND (0.0002) J	ND (0.000202) J	ND (0.000197) J	ND (0.000202) J	ND (0.000202) J	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199) J	ND (0.000199) J	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199) J	ND (0.000198) J	ND (0.000198)	ND (0.000198)	ND (0.0002) J	
Perfluorotridecanoic acid (PFTrDA)	NA	ND (0.0002) J	ND (0.000202) J	ND (0.000197) J	ND (0.000202) J	ND (0.000202) J	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199) J	ND (0.000199) J	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199) J	ND (0.000198) J	ND (0.000198)	ND (0.000198)	ND (0.0002) J	
Perfluoroundecanoic acid (PFUnDA)	NA	ND (0.0002)	ND (0.000202)	ND (0.000197)	ND (0.000202)	ND (0.000202)	ND (0.000198)	ND (0.000197)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.0002)	ND (0.000199)	ND (0.000199)	ND (0.000198)	ND (0.000198)	ND (0.000198)	ND (0.0002)	
Pesticides (mg/kg)																				
4,4'-DDD	0.0033	ND (0.00178)	ND (0.00166)	ND (0.00176)	ND (0.0017)	ND (0.00163)	ND (0.00174)	ND (0.00187)	ND (0.00179)	ND (0.00171)	ND (0.00161)	ND (0.00175)	ND (0.00191)	ND (0.00173)	ND (0.00194)	0.00295	0.00164 J	ND (0.00209)	ND (0.00176)	
4,4'-DDE	0.0033	ND (0.00178)	0.0236	ND (0.00176)	ND (0.0017)	ND (0.00163)	0.00162 J	0.00298	0.00187	ND (0.00171)	ND (0.00161)	ND (0.00175)	0.00175 J	0.000881 J	ND (0.00194)	0.00149 J	0.00135 J	0.0167 J	ND (0.00176)	
4,4'-DDT	0.0033	ND (0.00178)	0.0834	ND (0.00176)	ND (0.0017)	ND (0.00163)	0.0134	0.0178	0.00993	ND (0.00171)	ND (0.00161)	0.00516 J	0.00704	0.00325	ND (0.00194)	0.00744	0.0046	0.0316 J	ND (0.00176)	
Aldrin	0.14	ND (0.00178)	ND (0.00166)	ND (0.00176)	ND (0.0017)	ND (0.00163)	ND (0.00174)	ND (0.00187)	ND (0.00179)	ND (0.00171)	ND (0.00161)	ND (0.00175)	ND (0.00191)	ND (0.00173)	ND (0.00194)	ND (0.00181)	ND (0.00169)	ND (0.00209)	ND (0.00176)	
alpha-BHC	0.04	ND (0.000742)	ND (0.00069)	ND (0.000732)	ND (0.000708)	ND (0.00068)	ND (0.000727)	ND (0.000779)	ND (0.000746)	ND (0.000712)	ND (0.000672)	ND (0.00073)	ND (0.000798)	ND (0.00072)	ND (0.00081)	ND (0.000756)	ND (0.000706)	ND (0.000871)	ND (0.000734)	
alpha-Chlordane (cis)	1.3	ND (0.00223)	0.0731 J	ND (0.0022)	ND (0.00212)	ND (0.00204)	0.00622 J	0.00523 J	0.00284 J	ND (0.00213)	ND (0.00202)	0.0283 J	0.00435 J	0.00137 J	ND (0.00243)	0.00743 J	0.00304 J	0.00197 J	ND (0.0022)	
beta-BHC	0.6	ND (0.00178)	ND (0.00166)	ND (0.00176)	ND (0.0017)	ND (0.00163)	ND (0.00174)	ND (0.00187)	ND (0.00179)	ND (0.00171)	ND (0.00161)	ND (0.00175)	ND (0.00191)	ND (0.00173)	ND (0.00194)	ND (0.00181)	ND (0.00169)	ND (0.00209)	ND (0.00176)	
Chlordane	NA	ND (0.0148)	0.451	ND (0.0146)	ND (0.0142)	ND (0.0136)	0.0563	0.047	0.0236	ND (0.0142)	ND (0.0134)	0.42	0.0555	0.0158	ND (0.0162)	0.0797	0.0298	ND (0.0174)	ND (0.0147)	
delta-BHC	0.04	ND (0.00178)	ND (0.00166)	ND (0.00176)	ND (0.0017)	ND (0.00163)	ND (0.00174)	ND (0.00187)	ND (0.00179)	ND (0.00171)	ND (0.00161)	ND (0.00175)	ND (0.00191)	ND (0.00173)	ND (0.00194)	ND (0.00181)	ND (0.00169)	ND (0.00209)	ND (0.00176)	
Dieldrin	0.006	ND (0.00111)	0.027 J	ND (0.0011)	ND (0.00106)	ND (0.00102)	ND (0.00109)	ND (0.00117)	ND (0.00112)	ND (0.00107)	ND (0.00101)	ND (0.00109)	ND (0.0012)	ND (0.00108)	ND (0.00121)	ND (0.00113)	ND (0.00106)	ND (0.00131)	ND (0.0011)	
Endosulfan I	NA	ND (0.00178)	ND (0.00166)	ND (0.00176)	ND (0.0017)	ND (0.00163)	ND (0.00174)	ND (0.00187)	ND (0.00179)	ND (0.00171)	ND (0.00161)	ND (0.00175)	ND (0.00191)	ND (0.00173)	ND (0.00194)	ND (0.00181)	ND (0.00169)	ND (0.00209)	ND (0.00176)	
Endosulfan II	NA	ND (0.00178)	ND (0.00166)	ND (0.00176)	ND (0.0017)	ND (0.00163)	ND (0.00174)	ND (0.00187)	ND (0.00179)	ND (0.00171)	ND (0.00161)	ND (0.00175)	ND (0.00191)	ND (0.00173)	ND (0.00194)	ND (0.00181)	ND (0.00169)	ND (0.00209)	ND (0.00176)	
Endosulfan sulfate	NA	ND (0.000742)	0.00444 J	ND (0.000732)	ND (0.000708)	ND (0.00068)	ND (0.000727)	ND (0.000779)	ND (0.000746)	ND (0.000712)	ND (0.000672)	ND (0.00073)	ND (0.000798)	ND (0.00072)	ND (0.00081)	ND (0.000756)	ND (0.000706)	ND (0.000871)	ND (0.000734)	
Endrin	0.014	ND (0.000742)	ND (0.00069)	ND (0.000732)	ND (0.000708)	ND (0.00068)	ND (0.000727)	ND (0.000779)	ND (0.000746)	ND (0.000712)	ND (0.000672)	ND (0.00073)	ND (0.000798)	ND (0.00072)	ND (0.00081)	ND (0.000756)	ND (0.000706)	ND (0.000871)	ND (0.000734)	
Endrin aldehyde	NA	ND (0.00223)	ND (0.00207)	ND (0.0022)	ND (0.00212)	ND (0.00204)	ND (0.00218)	ND (0.00234)	ND (0.00224)	ND (0.00213)	ND (0.00202)	ND (0.00219)	ND (0.00239)	ND (0.00216)	ND (0.00243)	ND (0.00227)	ND (0.00212)	ND (0.00261)	ND (0.0022)	
Endrin ketone	NA	ND (0.00178)	ND (0.00166)	ND (0.00176)	ND (0.0017)	ND (0.00163)	ND (0.00174)	ND (0.00187)	ND (0.00179)	ND (0.00171)	ND (0.00161)	ND (0.00175)	ND (0.00191)	ND (0.00173)	ND (0.00194)	ND (0.00181)	ND (0.00169)	ND (0.00209)	ND (0.00176)	
gamma-BHC (Lindane)	6	ND (0.000742)	ND (0.00069)	ND (0.000732)	ND (0.000708)	ND (0.00068)	ND (0.000727)	ND (0.000779)	ND (0.000746)	ND (0.000712)	ND (0.000672)	ND (0.00073)	ND (0.000798)	ND (0.00072)	ND (0.00081)	ND (0.000756)	ND (0.000706)	ND (0.000871)	ND (0.000734)	
gamma-Chlordane (trans)	NA	ND (0.00223)	0.0726	ND (0.0022)	ND (0.00212)	ND (0.00204)	0.00775	0.0072	0.00348	ND (0.00213)	ND (0.00202)	0.0376	0.00517 J	0.0024	ND (0.00243)	0.00856 J	0.0036	0.00522 J	ND (0.0022)	
Heptachlor	0.14	ND (0.00089)	ND (0.000828)	ND (0.000878)	ND (0.00085)	ND (0.000816)	ND (0.000872)	ND (0.000935)	ND (0.000895)	ND (0.000854)	ND (0.000806)	0.0138	ND (0.000957) J	ND (0.000864)	ND (0.000972)	0.000626 J	ND (0.000847)	ND (0.00104)	ND (0.000881)	
Heptachlor epoxide	NA	ND (0.00334)	0.0124 J	ND (0.00329)	ND (0.00319)	ND (0.00306)	ND (0.00327)	ND (0.00351)	ND (0.00336)	ND (0.0032)	ND (0.00302)	ND (0.00328)	ND (0.00359)	ND (0.00324)	ND (0.00364)	ND (0.0034)	ND (0.00318)	ND (0.00392)	ND (0.0033)	
Methoxychlor	NA	ND (0.00334)	ND (0.00311)	ND (0.00329)	ND (0.00319)	ND (0.00306)	ND (0.00327)	ND (0.00351)	ND (0.00336)	ND (0.0032)	ND (0.00302)	ND (0.00328)	ND (0.00359)	ND (0.00324)	ND (0.00364)	ND (0.0034)	ND (0.00318)	ND (0.00392)	ND (0.0033)	
Toxaphene	NA	ND (0.0334)	ND (0.0311)	ND (0.0329)	ND (0.0319)	ND (0.0306)	ND (0.0327)	ND (0.0351)	ND (0.0336)	ND (0.032)	ND (0.0302)	ND (0.0328)	ND (0.0359)	ND (0.0324)	ND (0.0364)	ND (0.034)	ND (0.0318)	ND (0.0392)	ND (0.033)	
Polychlorinated Biphenyls (mg/kg)																				
Aroclor-1016 (PCB-1016)	NA	ND (0.0529)	ND (0.251)	ND (0.0528)	ND (0.0531)	ND (0.0504)	ND (0.26)	ND (0.0588)	ND (0.0575)	ND (0.0526)	ND (0.0473)	ND (0.0547)	ND (0.0565)	ND (0.0537)	ND (0.057)	ND (0.0542)	ND (0.0516)	ND (0.061)	ND (0.0573)	
Aroclor-1221 (PCB-1221)	NA	ND (0.0529)	ND (0.251)	ND (0.0528)	ND (0.0531)	ND (0.0504)	ND (0.26)	ND (0.0588)	ND (0.0575)	ND (0.0526)	ND (0.0473)	ND (0.0547)	ND (0.0565)	ND (0.0537)	ND (0.057)	ND (0.0542)	ND (0.0516)	ND (0.061)	ND (0.0573)	
Aroclor-1232 (PCB-1232)	NA	ND (0.0529)	ND (0.251)	ND (0.0528)	ND (0.0531)	ND (0.0504)	ND (0.26)	ND (0.0588)	ND (0.0575)	ND (0.0526)	ND (0.0473)	ND (0.0547)	ND (0.0565)	ND (0.0537)	ND (0.057)	ND (0.0542)	ND (0.0516)	ND (0.061)	ND (0.0573)	
Aroclor-1242 (PCB-1242)	NA	ND (0.0529)	ND (0.251)	ND (0.0528)	ND (0.0531)	ND (0.0504)	ND (0.26)	ND (0.0588)	ND (0.0575)	ND (0.0526)	ND (0.0473)	ND (0.0547)	ND (0.0565)	ND (0.0537)	ND (0.057)	ND (0.0542)	ND (0.0516)	ND (0.061)	ND (0.0573)	
Aroclor-1248 (PCB-1248)	NA	ND (0.0529)	2.55	ND (0.0528)	ND (0.0531)	ND (0.0504)	ND (0.26)	0.0394 J	ND (0.0575)	ND (0.0526)	ND (0.0473)	0.141	ND (0.0565)	ND (0.0537)	0.0244 J	0.0251 J	0.018 J	0.111	ND (0.0573)	
Aroclor-1254 (PCB-1254)	NA	0.0607	ND (0.251)	ND (0.0528)	ND (0.0531)	ND (0.0504)	ND (0.26)	0.0566 J	ND (0.0575)	ND (0.0526)	ND (0.0473)	0.158 J	0.0537 J	0.0185 J	ND (0.057)	0.044 J	0.0278 J	0.206	ND (0.0573)	
Aroclor-1260 (PCB-1260)	NA	0.0442 J	ND (0.251)	0.0108 J	ND (0.0531)	ND (0.0504)	ND (0.26)	ND (0.0588)	0.759	ND (0.0526)	ND (0.0473)	ND (0.0547)	0.172	0.13	ND (0.057)	0.0887	0.109	ND (0.061)	ND (0.0573)	
Aroclor-1262 (PCB-1262)	NA	ND (0.0529)	ND (0.251)	ND (0.0528)	ND (0.0531)	ND (0.0504)	ND (0.26)	ND (0.0588)	ND (0.0575)	ND (0.0526)	ND (0.0473)	ND (0.0547)	ND (0.0565)	ND (0.0537)	ND (0.057)	ND (0.0542)	ND (0.0516)	ND (0.061)	ND (0.0573)	
Aroclor-1268 (PCB-1268)	NA	0.026 J	ND (0.251)	0.00907 J	ND (0.0531)	ND (0.0504)	1.58	0.143	ND (0.0575)	ND (0.0526)	ND (0.0473)	0.308	0.19	0.194	ND (0.057)	0.0931	0.137	0.0958	ND (0.0573)	
Polychlorinated biphenyls (PCBs)	1	0.131 J	2.55	0.0199 J	ND (0.0531)	ND (0.0504)	1.58	0.239 J	0.759	ND (0.0526)	ND (0.0473)	0.607	0.416 J	0.343 J	0.0244 J	0.251 J	0.292 J	0.413	ND (0.0573)	

TABLE 3
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																			
Location Name	Restricted Use Soil	RI-SB-11	RI-SB-11	RI-SB-12	RI-SB-12	RI-SB-12	RI-SB-13	RI-SB-13	RI-SB-13	RI-SB-13	RI-SB-13	RI-SB-13	RI-SB-14	RI-SB-14	RI-SB-14	RI-SB-14	RI-SB-15	RI-SB-15	RI-SB-15	RI-SB-15
Sample Name	Cleanup Objectives -	RI-SB-11_8-10	RI-SB-11_11-13	RI-SB-12_0-2	RI-SB-12_3-5	RI-SB-12_10-12	RI-SB-13_0-2	RI-SB-13_10-12	RI-SB-13_20-22	RI-SB-13_20-22	RI-SB-13_22-24	DUP-01_20260316	RI-SB-14_0-2	RI-SB-14_10-12	RI-SB-14_20-22	RI-SB-14_22-24	RI-SB-15_0-2	RI-SB-15_10-12	RI-SB-15_20-22	RI-SB-15_22-24
Sample Date	Protection Ecological	02/05/2026	02/05/2026	02/03/2026	02/03/2026	02/03/2026	02/12/2026	02/12/2026	02/12/2026	02/12/2026	03/16/2026	03/16/2026	02/16/2026	02/16/2026	02/16/2026	03/16/2026	02/16/2026	02/16/2026	02/16/2026	03/16/2026
Lab Sample ID	Resources	L2606574-11	L2606574-12	L2605921-04	L2605921-05	L2605921-06	L2607931-02	L2607931-03	L2607931-04	L2614269-11	L2614269-12	L2608462-09	L2608462-10	L2608462-11	L2614269-07	L2608462-12	L2608462-13	L2608462-14	L2614269-14
Sample Depth (bgs)	2025	8 - 10 (ft)	11 - 13 (ft)	0 - 2 (ft)	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	22 - 24 (ft)	22 - 24 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)
Inorganic Compounds (mg/kg)																				
Aluminum	NA	5430	4980	8030	6140	8480	8980	8170	8050	5370 J	11500 J	8120	10200	8370	9920	8050	8200	7660	8320
Antimony	NA	ND (4.25) J	ND (4.2) J	ND (4.21) J	ND (4.17) J	ND (4.02) J	ND (4.38)	ND (4.62)	ND (4.55)	ND (8.3)	ND (3.96)	ND (4.47)	ND (4.76)	ND (4.41)	ND (4.9)	ND (4.37)	ND (4.15)	ND (5.11)	ND (4.52)
Arsenic	13	3.27 J-	2.03 J-	3.16	2.72	1.71	3.55	4.06	3.52	0.951 J	0.411 J	3.76	4	2.81	1.16	3.28	3.84	3.45	3.43
Barium	433	62.2	35	44.4	46.4	42.2	77.7	83.8	88.3	60.2 J	120 J	60.6	91.4	62.3	88.9	62.9	60.2	71.3	60.4
Beryllium	10	0.242 J	0.204 J	0.203 J	0.201 J	0.217 J	0.188 J	0.194 J	0.187 J	0.108 J	ND (0.396)	0.346 J	0.469 J	0.401 J	0.3 J	0.314 J	0.318 J	0.359 J	0.268 J
Cadmium	4	ND (0.849)	ND (0.841)	ND (0.842)	ND (0.834)	ND (0.803)	0.205 J	0.152 J	ND (0.91)	ND (1.66)	ND (0.791)	0.225 J	0.329 J	0.17 J	ND (0.98)	0.181 J	0.071 J	ND (1.02)	0.277 J
Calcium	NA	12000	37400	30600	24900	2450	6660	14900	21400	111000 J	32700 J	7970	12400	9750	29100	9910	19600	58400	8520
Chromium	NA	13.7 J-	10.3 J-	17.2	14.1	27.4	20.3	24.7	27.9	6.01 J	18.2 J	18.6	51.3	25.9	20	18.5	23.6	26.1	30.9
Chromium VI (Hexavalent)	20	0.192 J	0.245 J	1.81	ND (0.856)	ND (0.839)	0.247 J	0.274 J	ND (0.928)	ND (0.856)	ND (0.826)	ND (0.914)	ND (0.982)	ND (0.889)	ND (0.984)	ND (0.911)	ND (0.877)	ND (1.06)	ND (0.918)
Cobalt	NA	4.94	4.36	6.23	5.65	6.97	7.92	7.06	7.22	7.15 J	14.4 J	6.1	8.79	13.6	9.02	6.52	7.3	16.9	9.09
Copper	50	35.6 J-	51 J-	28.8	33.8	15.1	31.3	65.9	49.4	24.8	37.8	34.4	62.7	50.7	21.8	35.3	37.2	37.9	126
Iron	NA	13100	10600	14400	12500	13400	18400	19000	15800	10800 J	20500 J	13800	19300	16000	16900	14000	14900	13300	33100
Lead	63	72.8 J-	31.9 J-	17.5 J-	40.8 J-	5.64 J-	71.4	109	56.4	1.28 J	3.31 J	92.8	135	57.2	4.9	77.1	61.4	63.4	35.4
Magnesium	NA	4260	22500	10200	5540	4690	5450	5910	9450	60900 J	26900 J	4550	8240	7120	16700	7020	10900	11500	6290
Manganese	1600	194	199	191	279	327	259	299	311	125	105	290	355	292	380	279	286	229	431
Mercury	0.18	0.102	0.1	ND (0.087)	0.06 J	ND (0.085)	0.353	0.079 J	ND (0.088)	ND (0.07)	ND (0.082)	0.109	0.097	ND (0.091)	ND (0.094)	0.093	0.055 J	0.14	ND (0.08)
Nickel	30	11.1	9.91	14.6	12.8	15.9	18.8	24.2	16.1	8.82 J	19 J	16.5	30.1	17.2	18.3	16.5	16.8	13.9	32.6
Potassium	NA	916 J-	772 J-	1260	1040	2240	2830	1920	2480	2020 J	4220 J	1210	2420	2060	3700	1530	1760	1560	1870
Selenium	3.9	ND (1.7)	ND (1.68)	ND (1.68)	ND (1.67)	ND (1.61)	ND (1.75)	ND (1.85)	ND (1.82)	ND (3.32)	ND (1.58)	ND (1.79)	ND (1.9)	ND (1.76)	ND (1.96)	ND (1.75)	ND (1.66)	0.976 J	ND (1.81)
Silver	2	0.413 J	ND (0.42)	ND (0.421)	ND (0.417)	ND (0.402)	0.524	0.907	1.3	ND (0.83)	ND (0.396)	ND (0.447)	0.637	1.55	ND (0.49)	ND (0.437)	2.01	2.19	ND (0.452)
Sodium	NA	96.1 J+	ND (168)	554	246	91.3 J	ND (175)	174 J	277	ND (332)	174	ND (179)	176 J	338	227	93.8 J	189	491	166 J
Thallium	NA	ND (1.7)	ND (1.68)	ND (1.68)	ND (1.67)	ND (1.61)	ND (1.75)	ND (1.85)	ND (1.82)	ND (3.32)	ND (1.58)	ND (1.79)	ND (1.9)	ND (1.76)	ND (1.96)	ND (1.75)	ND (1.66)	ND (2.04)	ND (1.81)
Vanadium	NA	24.1 J-	22.2 J-	25.4	21.7	24.1	27.2	27.3	26.7	27 J	57.1 J	24.3	31.8	27.7	29	25.8	28.6	21	23.6
Zinc	109	71 J-	30.1 J-	44.8 J-	83.3 J-	40.4 J-	125	130	92.8	24.9 J	47.7 J	108	259	299	50.1	179	90.3	311	54.4
TCLP Inorganic Compounds (mg/L)																				
Lead	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other																				
Total Solids (%)	NA	88.6	93.8	90.6	93.4	95.3	88.9	83.8	86.2	93.5	96.8	87.5	81.5	90	81.3	87.8	91.2	75.5	87.1
Cyanide (mg/kg)	NA	ND (1.1) J	1.8 J-	ND (1.1) J	ND (1) J	ND (1) J	ND (1.1) J	ND (1.1) J	ND (1.1) J	ND (1)	ND (0.97)	ND (1.1) J	0.29 J-	0.26 J-	ND (1.2)	ND (1.1) J	ND (1) J	ND (1.3) J	ND (1.1)

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram
mg/L: milligram per liter
-: Not Analyzed
B: Compound was found in the blank and the associated sample.
bgs: below ground surface
F: Results are considered to be an estimated maximum concentration
ft: feet
I: The lower value for the two columns has been reported due to obvious interference.
J-: Value is estimated, low bias.
J: Value is estimated.
J+: Value is estimated, high bias.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
P: The RPD between the results for the two columns exceeds the method-specified criteria.
R: Rejected

- 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 Protection of Ecological Resources Soil Cleanup Objectives (SCO).
- Grey shading indicates an exceedance of the Protection of Ecological Resources Soil Cleanup Objectives (SCO).

TABLE 3
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																				
Location Name	Restricted Use Soil	RI-SB-15	RI-SB-16	RI-SB-16	RI-SB-16	RI-SB-17	RI-SB-17	RI-SB-17	RI-SB-17	RI-SB-17	RI-SB-18	RI-SB-18	RI-SB-18	RI-SB-19	RI-SB-19	RI-SB-19	RI-SB-20	RI-SB-20	RI-SB-20	RI-SB-20	SB-103
Sample Name	Cleanup Objectives -	RI-SB-15_24-26	RI-SB-16_0-2	RI-SB-16_3-5	RI-SB-16_10-12	RI-SB-17_0-2	RI-SB-17_10-12	RI-SB-17_20-22	RI-SB-17_22-24	RI-SB-18_0-2	RI-SB-18_14-16	RI-SB-18_20-22	RI-SB-19_0-2	RI-SB-19_7-9	RI-SB-19_10-12	RI-SB-20_0-2	DUP-03_20260205	RI-SB-20_8-10	RI-SB-20_11-13	SB-103_0-2_RS
Sample Date	Protection Ecological	03/16/2026	02/03/2026	02/03/2026	02/03/2026	02/16/2026	02/16/2026	02/16/2026	03/16/2026	02/16/2026	02/16/2026	02/16/2026	02/06/2026	02/06/2026	02/06/2026	02/05/2026	02/05/2026	02/05/2026	02/05/2026	03/16/2026
Lab Sample ID	Resources	L2614269-15	L2605921-10	L2605921-11	L2605921-12	L2608462-03	L2608462-04	L2608462-05	L2614269-05	L2608462-06	L2608462-07	L2608462-08	L2606929-02	L2606929-03	L2606929-04	L2606574-06	L2606574-07	L2606574-08	L2606574-09	L2614270-06
Sample Depth (bgs)	2025	24 - 26 (ft)	0 - 2 (ft)	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 2 (ft)	14 - 16 (ft)	20 - 22 (ft)	0 - 2 (ft)	7 - 9 (ft)	10 - 12 (ft)	0 - 2 (ft)	0 - 2 (ft)	8 - 10 (ft)	11 - 13 (ft)	0 - 2 (ft)
Volatile Organic Compounds (mg/kg)																				
1,1,1,2-Tetrachloroethane	NA	ND (0.00051)	ND (0.00054)	ND (0.00069) J	ND (0.00075)	ND (0.0005)	ND (0.00054)	ND (0.00064)	ND (0.00053)	ND (0.00057)	ND (0.086)	ND (0.00053)	ND (0.0012) J	ND (0.0007)	ND (0.00049)	ND (0.0006)	ND (0.00081)	ND (0.00087)	ND (0.00056)	-
1,1,1-Trichloroethane	NA	0.0035	ND (0.00054)	ND (0.00069)	ND (0.00075)	ND (0.0005)	ND (0.00054)	0.011	0.0033	ND (0.00057)	0.26	0.00033 J	ND (0.0012)	ND (0.0007)	ND (0.00049)	ND (0.0006)	ND (0.00081)	ND (0.00087)	ND (0.00056)	ND (0.032)
1,1,2,2-Tetrachloroethane	NA	ND (0.00051)	ND (0.00054)	ND (0.00069) J	ND (0.00075)	ND (0.0005)	ND (0.00054)	ND (0.00064)	ND (0.00053)	ND (0.00057)	ND (0.086)	ND (0.00053)	ND (0.0012) J	ND (0.0007)	ND (0.00049)	ND (0.0006)	ND (0.00081)	ND (0.00087)	ND (0.00056)	-
1,1,2-Trichloroethane	NA	ND (0.001)	ND (0.0011)	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024)	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-
1,1-Dichloroethane	NA	ND (0.001)	ND (0.0011)	ND (0.0014)	ND (0.0015)	ND (0.001)	ND (0.0011)	0.016	0.00021 J	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024)	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-
1,1-Dichloroethene	NA	ND (0.001)	ND (0.0011)	ND (0.0014)	ND (0.0015)	ND (0.001)	ND (0.0011)	0.00053 J	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024)	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	ND (0.064)
1,1-Dichloropropene	NA	ND (0.00051)	ND (0.00054)	ND (0.00069) J	ND (0.00075)	ND (0.0005)	ND (0.00054)	ND (0.00064)	ND (0.00053)	ND (0.00057)	ND (0.086)	ND (0.00053)	ND (0.0012)	ND (0.0007)	ND (0.00049)	ND (0.0006)	ND (0.00081)	ND (0.00087)	ND (0.00056)	-
1,2,3-Trichlorobenzene	NA	ND (0.002)	ND (0.0022)	0.0028 R	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	0.0049 R	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-
1,2,3-Trichloropropane	NA	ND (0.002)	ND (0.0022)	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049) J	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-
1,2,4,5-Tetramethylbenzene	NA	ND (0.002)	ND (0.0022)	0.0028 R	ND (0.003)	ND (0.002)	ND (0.0021)	0.0008 J	ND (0.0021) J	ND (0.0023)	0.047 J	0.00028 J	ND (0.0049) J	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-
1,2,4-Trichlorobenzene	NA	ND (0.002)	ND (0.0022)	0.0028 R	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	0.0049 R	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-
1,2,4-Trimethylbenzene	NA	ND (0.002)	ND (0.0022)	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	0.00068 J	ND (0.0021)	ND (0.0023)	0.12 J	0.00057 J	ND (0.0049) J	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-
1,2-Dibromo-3-chloropropane (DBCP)	NA	ND (0.003)	ND (0.0032)	ND (0.0041) J	ND (0.0045)	ND (0.003)	ND (0.0032)	ND (0.0038)	ND (0.0032)	ND (0.0034)	ND (0.52)	ND (0.0032)	ND (0.0074) J	ND (0.0042)	ND (0.003)	ND (0.0036)	ND (0.0049)	ND (0.0052)	ND (0.0033)	-
1,2-Dibromoethane (Ethylene Dibromide)	NA	ND (0.001)	ND (0.0011)	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024)	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-
1,2-Dichlorobenzene	NA	ND (0.002)	ND (0.0022)	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049) J	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-
1,2-Dichloroethane	10	ND (0.001)	ND (0.0011)	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024)	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-
1,2-Dichloroethene (total)	NA	ND (0.001)	ND (0.0011)	ND (0.0014)	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024)	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-
1,2-Dichloropropane	NA	ND (0.001)	ND (0.0011)	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024)	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-
1,3,5-Trimethylbenzene	NA	ND (0.002)	ND (0.0022)	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	0.0004 J	ND (0.0021)	ND (0.0023)	0.096 J	ND (0.0021)	ND (0.0049) J	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-
1,3-Dichlorobenzene	NA	ND (0.002)	ND (0.0022)	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049) J	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-
1,3-Dichloropropane	NA	ND (0.002)	ND (0.0022)	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049)	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-
1,3-Dichloropropene	NA	ND (0.00051)	ND (0.00054)	ND (0.00069)	ND (0.00075)	ND (0.0005)	ND (0.00054)	ND (0.00064)	ND (0.00053)	ND (0.00057)	ND (0.086)	ND (0.00053)	ND (0.0012)	ND (0.0007)	ND (0.00049)	ND (0.0006)	ND (0.00081)	ND (0.00087)	ND (0.00056)	-
1,4-Dichlorobenzene	20	ND (0.002)	ND (0.0022)	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049) J	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-
1,4-Diethylbenzene	NA	ND (0.002)	ND (0.0022)	0.0028 R	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	0.23 J	ND (0.0021)	ND (0.0049)	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-
1,4-Dioxane	0.1	ND (0.081)	ND (0.087)	ND (0.11)	ND (0.12)	ND (0.08)	ND (0.086)	ND (0.1)	ND (0.085)	ND (0.091)	ND (14)	ND (0.084)	ND (0.2)	ND (0.11)	ND (0.079)	ND (0.096)	ND (0.13)	ND (0.14)	ND (0.089)	-
2,2-Dichloropropane	NA	ND (0.002)	ND (0.0022)	ND (0.0028)	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049)	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-
2-Butanone (Methyl Ethyl Ketone)	100	ND (0.01)	ND (0.011)	ND (0.014)	ND (0.015)	ND (0.01)	ND (0.011)	ND (0.013)	ND (0.011)	ND (0.011)	ND (1.7)	ND (0.01)	ND (0.024) J	ND (0.014)	ND (0.0099) J	ND (0.012)	ND (0.016)	ND (0.017)	0.008 J	-
2-Chlorotoluene	NA	ND (0.002)	ND (0.0022)	0.0028 R	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049) J	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-
2-Hexanone (Methyl Butyl Ketone)	NA	ND (0.01)	ND (0.011)	ND (0.014) J	ND (0.015)	ND (0.01)	ND (0.011)	ND (0.013)	ND (0.011)	ND (0.011)	ND (1.7)	ND (0.01)	ND (0.024) J	ND (0.014)	ND (0.0099)	ND (0.012)	ND (0.016)	ND (0.017)	ND (0.011)	-
2-Phenylbutane (sec-Butylbenzene)	NA	ND (0.001)	ND (0.0011)	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	0.00026 J	ND (0.0024) J	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-
4-Chlorotoluene	NA	ND (0.002)	ND (0.0022)	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049) J	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	ND (0.002)	ND (0.0022)	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049) J	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	ND (0.01)	ND (0.011)	ND (0.014) J	ND (0.015)	ND (0.01)	ND (0.011)	ND (0.013)	ND (0.011)	ND (0.011)	ND (1.7)	ND (0.01)	ND (0.024)	ND (0.014)	ND (0.0099)	ND (0.012)	ND (0.016)	ND (0.017)	ND (0.011)	-
Acetone	2.2	ND (0.01)	ND (0.011)	0.028 J	ND (0.015)	ND (0.016)	ND (0.013)	0.055	ND (0.011)	ND (0.011)	ND (1.7)	ND (0.022)	ND (0.024)	ND (0.014)	ND (0.0099)	ND (0.012)	ND (0.016)	ND (0.017)	0.03	-
Acrylonitrile	NA	ND (0.0041)	ND (0.0043)	ND (0.0055) J	ND (0.006)	ND (0.004)	ND (0.0043)	ND (0.0051)	ND (0.0043)	ND (0.0046)	ND (0.69)	ND (0.0042)	ND (0.0098) J	ND (0.0056)	ND (0.004)	ND (0.0048)	ND (0.0065)	ND (0.007)	ND (0.0045)	-
Benzene	70	ND (0.00051)	ND (0.00054)	ND (0.00069) J	ND (0.00075)	ND (0.0005)	0.00035 J	0.00071	ND (0.00053)	ND (0.00057)	ND (0.086)	0.00027 J	ND (0.0012)	ND (0.0007)	0.00026 J	ND (0.0006)	ND (0.00081)	ND (0.00087)	ND (0.00056)	-
Bromobenzene	NA	ND (0.002)	ND (0.0022)	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049) J	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-
Bromodichloromethane	NA	ND (0.00051)	ND (0.00054)	ND (0.00069) J	ND (0.00075)	ND (0.0005)	ND (0.00054)	ND (0.00064)	ND (0.00053)	ND (0.00057)	ND (0.086)	ND (0.00053)	ND (0.0012)	ND (0.0007)	ND (0.00049)	ND (0.0006)	ND (0.00081)	ND (0.00087)	ND (0.00056)	-
Bromoform	NA	ND (0.0041)	ND (0.0043)	ND (0.0055) J	ND (0.006)	ND (0.004)	ND (0.0043)	ND (0.0051)	ND (0.0043)	ND (0.0046)	ND (0.69)	ND (0.0042)	ND (0.0098) J	ND (0.0056)	ND (0.004)	ND (0.0048)	ND (0.0065)	ND (0.007)	ND (0.0045)	-
Bromomethane (Methyl Bromide)	NA	ND (0.002)	ND (0.0022)	ND (0.0028)	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049)	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-
Carbon disulfide	NA	ND (0.01)	ND (0.011)	ND (0.014) J	ND (0.015)	ND (0.01)	ND (0.011)	ND (0.013)	ND (0.011)	ND (0.011)	ND (1.7)	ND (0.01)	ND (0.024)	ND (0.014)	ND (0.0099)	ND (0.012)	ND (0.016)	ND (0.017)	ND (0.011)	-
Carbon tetrachloride	NA	ND (0.001)	ND (0.0011)	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024)	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	ND (0.064)
Chlorobenzene	40	ND (0.00051)	ND (0.00054)	ND (0.00069) J	ND (0.00075)	ND (0.0005)	ND (0.00054)	ND (0.00064)	ND (0.00053)	ND (0.00057)	ND (0.086)	ND (0.00053)	ND (0.0012) J	ND (0.0007)	ND (0.00049)	ND (0.0006)	ND (0.00081)	ND (0.00087)	ND (0.00056)	-
Chlorobromomethane	NA	ND (0.002)	ND (0.0022)	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049)	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-
Chloroethane	NA	ND (0.002)	ND (0.0022)	ND (0.0028)	ND (0.003)	ND (0.002)	ND (0.0021)	0.0018 J	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049)	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-
Chloroform (Trichloromethane)	12	ND (0.0015)	ND (0.0016)	ND (0.0021) J	ND (0.0022)	ND (0.0015)	ND (0.0016)	ND (0.0019)	ND (0.0016)	ND (0.0017)	ND (0.26)	ND (0.0016)	ND (0.0037)	ND (0.0021)	ND (0.0015)	ND (0.0018)	ND (0.0024)	ND (0.0026)	ND (0.0017)	-
Chloromethane (Methyl Chloride)	NA	ND (0.0041)	ND (0.0043)	ND (0.0055)	ND (0.006)	ND (0.004)	ND (0.0043)	ND (0.0051)	ND (0.0043)	ND (0.0046)	ND (0.69)	ND (0.0042)	ND (0.0098)	ND (0.0056)	ND (0.004)	ND (0.0048)	ND (0.0065)	ND (0.007)	ND (0.0045)	-
cis-1,2-Dichloroethene	NA	ND (0.001)	ND (0.0011)	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024)	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	ND (0.064)
cis-1,3-Dichloropropene	NA	ND (0.00051)	ND (0.00054)	ND (0.00069) J	ND (0.00075)	ND (0.0005)	ND (0.00054)	ND (0.00064)	ND (0.00053)	ND (0.00057)	ND (0.086)	ND (0.00053)	ND (0.0012)	ND (0.0007)	ND (0.00049)	ND (0.0006)	ND (0.00081)	ND (0.00087)	ND (0.00056)	-
Cymene (p-Isopropyltoluene)	NA	ND (0.001)	ND (0.0011)	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	0.00077 J	ND (0.0011)	ND (0.0011)	0.22	0.00086 J	ND (0.0024) J	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-
Dibromochloromethane	NA	ND (0.001)	ND (0.0011)	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024)	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-
Dibromomethane	NA	ND (0.002)	ND (0.0022)	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049)	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-
Dichlorodifluoromethane (CFC-12)	NA	ND (0.01)	ND (0.011)	ND (0.014)	ND (0.015)	ND (0.01)	ND (0.011)	ND (0.013)	ND (0.011)	ND (0.011)	ND (1.7)	ND (0.01)	ND (0.024)	ND (0.014)	ND (0.0099)	ND (0.012)	ND (0.016)	ND (0.017)	ND (0.011)	-
Ethyl Ether	NA	ND (0.002)	ND (0.0022)	ND (0.0028)	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049)	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-
Ethylbenzene	NA	ND (0.001)	ND (0.0011)	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024) J	0.0012 J	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-
Hexachlorobutadiene	NA	ND (0.0041)	ND (0.0043)	0.0055 R	ND (0.006)	ND (0.004)	ND (0.0043)	ND (0.0051)	ND (0.0043)	ND (0.0046)	ND (0.69)	ND (0.0042)	0.0098 R	ND (0.0056)	ND (0.004)	ND (0.0048)	ND (0.0065)	ND (0.007)	ND (0.0045)	-
Isopropylbenzene (Cumene)	NA	ND (0.001)	ND (0.0011)	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024) J	0.00026 J	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-
m,p-Xylenes	NA	ND (0.002)	ND (0.0022)	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049) J	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-
Methyl Tert Butyl Ether (MTBE)	NA	ND (0.002)	ND (0.0022)	ND (0.0028)	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049)	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-
Methylene chloride (Dichloromethane)	12	ND (0.0051)	ND (0.0054)	ND (0.0069) J	ND (0.0075)	ND (0.005)	ND (0.0054)	ND (0.0064)	ND (0.0053)	ND (0.0057)	ND (0.86)	ND (0.0053)	ND (0.012)	ND (0.007)	ND (0.0049)	ND (0.006)	ND (0.0081)	ND (0.0087)	ND (0.0056)	ND (0.32)
Naphthalene	NA	ND (0.0041)	ND (0.0043)	ND (0.0055) J	ND (0.006)	ND (0.004)	ND (0.0043)	0.0067	ND (0.0043)	ND (0.0046)	ND (0.69)	ND (0.0042)	ND (0.0098) J	ND (0.0056)	ND (0.004)	ND (0.0048)	ND (0.0065)	ND (0.007)	ND (0.0045)	-
n-Butylbenzene	NA	ND (0.001)	ND (0.0011)	0.0014 R	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	0.035 J	ND (0.001)	ND (0.0024) J	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-
n-Propylbenzene	NA	ND (0.001)	ND (0.0011)	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024) J	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-
o-Xylene	NA	ND (0.001)	ND (0.0011)	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024) J	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-
Styrene	NA	ND (0.001)	ND (0.0011)	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024) J	0.0048	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-
tert-Butylbenzene	NA	ND (0.002)	ND (0.0022)	ND (0.0028) J	ND (0.003)	ND (0.002)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0023)	ND (0.35)	ND (0.0021)	ND (0.0049) J	ND (0.0028)	ND (0.002)	ND (0.0024)	ND (0.0032)	ND (0.0035)	ND (0.0022)	-
Tetrachloroethene	2	ND (0.00051)	ND (0.00054)	ND (0.00069) J	ND (0.00075)	ND (0.0005)	ND (0.00054)	ND (0.00064)	ND (0.00053)	ND (0.00057)	ND (0.086)	ND (0.00053)	0.0027 J	0.00077	0.00045 J	ND (0.0006)	0.00037 J	0.00051 J	ND (0.00056)	3.1
Toluene	36	ND (0.001)	ND (0.0011)	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	0.00078 J	ND (0.0024) J	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-
trans-1,2-Dichloroethene	NA	ND (0.0015)	ND (0.0016)	ND (0.0021) J	ND (0.0022)	ND (0.0015)	ND (0.0016)	ND (0.0019)	ND (0.0016)	ND (0.0017)	ND (0.26)	ND (0.0016)	ND (0.0037)	ND (0.0021)	ND (0.0015)	ND (0.0018)	ND (0.0024)	ND (0.0026)	ND (0.0017)	-
trans-1,3-Dichloropropene	NA	ND (0.001)	ND (0.0011)	ND (0.0014) J	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024) J	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-
trans-1,4-Dichloro-2-butene	NA	ND (0.0051)	ND (0.0054)	ND (0.0069) J	ND (0.0075)	ND (0.005)	ND (0.0054)	ND (0.0064)	ND (0.0053)	ND (0.0057)	ND (0.86)	ND (0.0053)	ND (0.012) J	ND (0.007)	ND (0.0049)	ND (0.006)	ND (0.0081)	ND (0.0087)	ND (0.0056)	-
Trichloroethene	2	ND (0.00051)	ND (0.00054)	ND (0.00069) J	ND (0.00075)	ND (0.0005)	ND (0.00054)	ND (0.00064)	0.0014	0.0014	35	0.014	ND (0.0012)	ND (0.0007)	ND (0.00049)	ND (0.0006)	ND (0.00081)	ND (0.00087)	ND (0.00056)	0.12 J
Trichlorofluoromethane (CFC-11)	NA	ND (0.0041)	ND (0.0043)	ND (0.0055)	ND (0.006)	ND (0.004)	ND (0.0043)	ND (0.0051)	ND (0.0043)	ND (0.0046)	ND (0.69)	ND (0.0042)	ND (0.0098)	ND (0.0056)	ND (0.004)	ND (0.0048)	ND (0.0065)	ND (0.007)	ND (0.0045)	-
Vinyl acetate	NA	ND (0.01)	ND (0.011)	ND (0.014) J	ND (0.015) J	ND (0.01)	ND (0.011)	ND (0.013)	ND (0.011)	ND (0.011)	ND (1.7)	ND (0.01)	0.024 R	ND (0.014)	ND (0.0099)	ND (0.012)	ND (0.016)	ND (0.017)	ND (0.011)	-
Vinyl chloride	NA	ND (0.001)	ND (0.0011)	ND (0.0014)	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024)	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	ND (0.064)
Xylene (Total)	0.26	ND (0.001)	ND (0.0011)	ND (0.0014)	ND (0.0015)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.17)	ND (0.001)	ND (0.0024)	ND (0.0014)	ND (0.00099)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0011)	-

TABLE 3
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																				
Location Name	Restricted Use Soil	RI-SB-15	RI-SB-16	RI-SB-16	RI-SB-16	RI-SB-17	RI-SB-17	RI-SB-17	RI-SB-17	RI-SB-18	RI-SB-18	RI-SB-18	RI-SB-19	RI-SB-19	RI-SB-19	RI-SB-20	RI-SB-20	RI-SB-20	RI-SB-20	SB-103
Sample Name	Cleanup Objectives -	RI-SB-15_24-26	RI-SB-16_0-2	RI-SB-16_3-5	RI-SB-16_10-12	RI-SB-17_0-2	RI-SB-17_10-12	RI-SB-17_20-22	RI-SB-17_22-24	RI-SB-18_0-2	RI-SB-18_14-16	RI-SB-18_20-22	RI-SB-19_0-2	RI-SB-19_7-9	RI-SB-19_10-12	RI-SB-20_0-2	DUP-03_20260205	RI-SB-20_8-10	RI-SB-20_11-13	SB-103_0-2_RS
Sample Date	Protection Ecological	03/16/2026	02/03/2026	02/03/2026	02/03/2026	02/16/2026	02/16/2026	02/16/2026	03/16/2026	02/16/2026	02/16/2026	02/16/2026	02/06/2026	02/06/2026	02/06/2026	02/05/2026	02/05/2026	02/05/2026	02/05/2026	03/16/2026
Lab Sample ID	Resources	L2614269-15	L2605921-10	L2605921-11	L2605921-12	L2608462-03	L2608462-04	L2608462-05	L2614269-05	L2608462-06	L2608462-07	L2608462-08	L2606929-02	L2606929-03	L2606929-04	L2606574-06	L2606574-07	L2606574-08	L2606574-09	L2614270-06
Sample Depth (bgs)	2025	24 - 26 (ft)	0 - 2 (ft)	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 2 (ft)	14 - 16 (ft)	20 - 22 (ft)	0 - 2 (ft)	7 - 9 (ft)	10 - 12 (ft)	0 - 2 (ft)	0 - 2 (ft)	8 - 10 (ft)	11 - 13 (ft)	0 - 2 (ft)
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4,5-Tetrachlorobenzene	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
1,2,4-Trichlorobenzene	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
1,2-Dichlorobenzene	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
1,3-Dichlorobenzene	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9) J	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
1,4-Dichlorobenzene	20	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
1,4-Dioxane	0.1	ND (0.029)	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.031)	ND (0.03)	0.5	ND (0.028)	ND (0.03)	ND (0.028)	ND (0.03)	ND (0.14)	ND (0.027)	ND (0.028)	ND (0.14)	ND (0.027)	ND (0.03)	ND (0.03)	-
2,2'-oxybis(1-Chloropropane)	NA	ND (0.23)	ND (0.23)	ND (0.22)	ND (0.22)	ND (0.24)	ND (0.24)	ND (0.25)	ND (0.22)	ND (0.24)	ND (0.23)	ND (0.24)	ND (1.1) J	ND (0.21)	ND (0.22)	ND (1.1)	ND (0.22)	ND (0.24)	ND (0.24)	-
2,4,5-Trichlorophenol	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
2,4,6-Trichlorophenol	NA	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.54)	ND (0.11)	ND (0.11)	ND (0.54)	ND (0.11)	ND (0.12)	ND (0.12)	-
2,4-Dichlorophenol	NA	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.81)	ND (0.16)	ND (0.17)	ND (0.81)	ND (0.16)	ND (0.18)	ND (0.18)	-
2,4-Dimethylphenol	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
2,4-Dinitrophenol	NA	ND (0.93)	ND (0.91)	0.9 R	ND (0.89)	ND (0.98)	ND (0.96)	ND (0.99)	ND (0.9)	ND (0.97)	ND (0.91)	ND (0.95)	4.3 R	ND (0.85)	ND (0.89)	ND (4.3)	ND (0.87)	ND (0.95)	ND (0.96)	-
2,4-Dinitrotoluene	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
2,6-Dinitrotoluene	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9) J	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
2-Chloronaphthalene	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
2-Chlorophenol	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
2-Methylnaphthalene	NA	ND (0.23)	0.093 J	ND (0.22)	ND (0.22)	0.026 J	ND (0.24)	0.059 J	ND (0.22)	ND (0.24)	0.11 J	ND (0.24)	0.11 J	0.068 J	0.081 J	12 J	1.5 J	0.061 J	ND (0.24)	-
2-Methylphenol (o-Cresol)	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	0.15 J	ND (0.18)	ND (0.2)	ND (0.2)	-
2-Nitroaniline	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
2-Nitrophenol	NA	ND (0.42)	ND (0.41)	ND (0.4)	ND (0.4)	ND (0.44)	ND (0.43)	ND (0.44)	ND (0.41)	ND (0.44)	ND (0.41)	ND (0.43)	ND (1.9)	ND (0.38)	ND (0.4)	ND (2)	ND (0.39)	ND (0.43)	ND (0.43)	-
3&4-Methylphenol	NA	ND (0.28)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.29)	ND (0.29)	ND (0.3)	ND (0.27)	ND (0.29)	ND (0.27)	ND (0.28)	ND (1.3)	ND (0.26)	ND (0.27)	0.59 J	0.079 J	ND (0.29)	ND (0.29)	-
3,3'-Dichlorobenzidine	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9) J	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
3-Nitroaniline	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
4,6-Dinitro-2-methylphenol	NA	ND (0.5)	ND (0.49)	0.49 R	ND (0.48)	ND (0.53)	ND (0.52)	ND (0.54)	ND (0.49)	ND (0.53)	ND (0.49)	ND (0.51)	2.3 R	ND (0.46)	ND (0.48)	ND (2.4)	ND (0.47)	ND (0.52)	ND (0.52)	-
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
4-Chloro-3-methylphenol	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
4-Chloroaniline	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9) J	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
4-Chlorophenyl phenyl ether	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9) J	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
4-Nitroaniline	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
4-Nitrophenol	NA	ND (0.27)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.29)	ND (0.28)	ND (0.29)	ND (0.26)	ND (0.28)	ND (0.26)	ND (0.28)	ND (1.3)	ND (0.25)	ND (0.26)	ND (1.3)	ND (0.25)	ND (0.28)	ND (0.28)	-
Acenaphthene	20	ND (0.15)	0.29	ND (0.15)	ND (0.15)	0.048 J	ND (0.16)	0.063 J	ND (0.15)	ND (0.16)	0.062 J	0.02 J	0.21 J	0.059 J	0.099 J	12 J	1 J	0.039 J	ND (0.16)	-
Acenaphthylene	NA	ND (0.15)	0.11 J	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)	0.24	ND (0.16)	ND (0.72)	0.19	0.14 J	19 J	1.5 J	0.047 J	ND (0.16)	-
Acetophenone	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
Anthracene	NA	ND (0.12)	0.96	ND (0.11)	ND (0.11)	0.12	0.058 J	0.15	ND (0.11)	ND (0.12)	0.15	0.061 J	0.53 J	0.34	0.29	50 J	3.7 J	0.14	ND (0.12)	-
Benzo(a)anthracene	NA	0.13	2.4	ND (0.11)	ND (0.11)	0.4	0.19	0.37	ND (0.11)	0.045 J	0.98	0.15	0.7 J	0.9	0.92	82 J	5.5 J	0.47	ND (0.12)	-
Benzo(a)pyrene	2.6	0.13 J	2.3	ND (0.15)	ND (0.15)	0.39	0.19	0.37	ND (0.15)	ND (0.16)	1	0.14 J	0.54 J	0.94	0.89	66 J	4.3 J	0.44	ND (0.16)	-
Benzo(b)fluoranthene	NA	0.16	2.7	ND (0.11)	ND (0.11)	0.5	0.24	0.44	ND (0.11)	0.054 J	1.8	0.18	0.67 J	1.2	1.1	82 J	5.2 J	0.58	0.034 J	-
Benzo(g,h,i)perylene	NA	0.083 J	1.5	ND (0.15)	ND (0.15)	0.26	0.13 J	0.22	ND (0.15)	0.035 J	0.75	0.081 J	0.3 J	0.58	0.53	26 J	1.9 J	0.32	ND (0.16)	-
Benzo(k)fluoranthene	NA	0.055 J	0.81	ND (0.11)	ND (0.11)	0.16	0.088 J	0.14	ND (0.11)	ND (0.12)	0.52	0.061 J	0.22 J	0.4	0.37	21 J	1.9 J	0.21	ND (0.12)	-
Benzoic acid	NA	ND (0.63)	0.61 R	ND (0.61)	0.6 R	ND (0.66)	ND (0.64)	ND (0.67)	ND (0.61)	ND (0.66)	ND (0.61)	ND (0.64)	2.9 R	ND (0.58)	ND (0.6)	ND (2.9)	ND (0.59)	ND (0.64)	ND (0.64)	-
Benzyl Alcohol	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
Biphenyl	NA	ND (0.44)	0.04 J	ND (0.43)	ND (0.42)	ND (0.47)	ND (0.45)	ND (0.47)	ND (0.43)	ND (0.46)	0.027 J	ND (0.45)	ND (2)	ND (0.4)	0.029 J	2.1	0.28 J	ND (0.45)	ND (0.45)	-
bis(2-Chloroethoxy)methane	NA	ND (0.21)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.22)	ND (0.21)	ND (0.22)	ND (0.2)	ND (0.22)	ND (0.2)	ND (0.21)	ND (0.97)	ND (0.19)	ND (0.2)	ND (0.98)	ND (0.2)	ND (0.21)	ND (0.21)	-
bis(2-Chloroethyl)ether	NA	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.81)	ND (0.16)	ND (0.17)	ND (0.81)	ND (0.16)	ND (0.18)	ND (0.18)	-
bis(2-Ethylhexyl)phthalate	NA	ND (0.19)	0.16 J	ND (0.19)	ND (0.18)	0.08 J	0.15 J	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	0.48	0.096 J	ND (0.9)	ND (0.18)	0.11 J	ND (0.2)	-
Butyl benzylphthalate (BBP)	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
Carbazole	NA	ND (0.19)	0.26	ND (0.19)	ND (0.18)	0.065 J	0.035 J	0.062 J	ND (0.19)	ND (0.2)	0.32	0.039 J	0.18 J	0.064 J	0.13 J	11 J	1.5 J	0.056 J	ND (0.2)	-
Chrysene	NA	0.13	2.4	ND (0.11)	ND (0.11)	0.36	0.18	0.36	ND (0.11)	0.043 J	1.4	0.14	0.57 J	0.83	0.92	71 J	5.1 J	0.54	0.047 J	-
Dibenz(a,h)anthracene	NA	ND (0.12)	0.32	ND (0.11)	ND (0.11)	0.057 J	0.027 J	0.045 J	ND (0.11)	ND (0.12)	0.21	ND (0.12)	ND (0.54) J	0.13	0.13	8.1 J	0.62 J	0.08 J	ND (0.12)	-
Dibenzofuran	NA	ND (0.19)	0.15 J	ND (0.19)	ND (0.18)	0.032 J	ND (0.2)	0.043 J	ND (0.19)	ND (0.2)	0.053 J	ND (0.2)	0.16 J	0.066 J	0.098 J	14 J	1.5 J	0.04 J	ND (0.2)	-
Diethyl phthalate	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
Dimethyl phthalate	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9) J	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
Di-n-butylphthalate (DBP)	NA	ND (0.19)	12	0.081 J	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
Di-n-octyl phthalate (DnOP)	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
Fluoranthene	NA	0.25	4.8	ND (0.11)	ND (0.11)	0.78	0.37	0.79	ND (0.11)	0.077 J	2.4	0.3	1.3 J	1.6	1.8	160 J	12 J	0.8	0.028 J	-
Fluorene	30	ND (0.19)	0.26	ND (0.19)	ND (0.18)	0.037 J	0.02 J	0.068 J	ND (0.19)	ND (0.2)	0.1 J	0.02 J	0.3 J	0.08 J	0.12 J	33 J	2.6 J	0.049 J	ND (0.2)	-
Hexachlorobenzene	NA	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.54)	ND (0.11)	ND (0.11)	ND (0.54)	ND (0.11)	ND (0.12)	ND (0.12)	-
Hexachlorobutadiene	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
Hexachlorocyclopentadiene	NA	ND (0.55)	ND (0.54)	ND (0.54) J	ND (0.53)	ND (0.58)	ND (0.57)	ND (0.59)	ND (0.54)	ND (0.58)	ND (0.54)	ND (0.56)	2.6 R	ND (0.51)	ND (0.53)	ND (2.6)	ND (0.52)	ND (0.57)	ND (0.57)	-
Hexachloroethane	NA	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.72) J	ND (0.14)	ND (0.15)	ND (0.72)	ND (0.14)	ND (0.16)	ND (0.16)	-
Indeno(1,2,3-cd)pyrene	NA	0.08 J	1.3	ND (0.15)	ND (0.15)	0.26	0.12 J	0.21	ND (0.15)	0.029 J	0.78	0.079 J	0.29 J	0.54	0.54	27 J	2.1 J	0.29	ND (0.16)	-
Isophorone	NA	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.81)	ND (0.16)	ND (0.17)	ND (0.81)	ND (0.16)	ND (0.18)	ND (0.18)	-
Naphthalene	NA	ND (0.19)	0.13 J	ND (0.19)	ND (0.18)	0.053 J	ND (0.2)	0.11 J	ND (0.19)	ND (0.2)	0.099 J	ND (0.2)	0.18 J	0.2	0.1 J	12 J	2.1 J	0.089 J	ND (0.2)	-
Nitrobenzene	2	ND (0.039)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.038)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.81)	ND (0.16)	ND (0.17)	ND (0.81)	ND (0.16)	ND (0.18)	ND (0.18)	-
N-Nitrosodi-n-propylamine	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	ND (0.9)	ND (0.18)	ND (0.2)	ND (0.2)	-
N-Nitrosodiphenylamine	NA	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.72)	ND (0.14)	ND (0.15)	ND (0.72)	ND (0.14)	ND (0.16)	ND (0.16)	-
Pentachlorophenol	0.8	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.72)	ND (0.14)	ND (0.15)	ND (0.72)	ND (0.14)	ND (0.16)	ND (0.16)	-
Phenanthrene	NA	0.15	4.2	ND (0.11)	ND (0.11)	0.51	0.21	0.79	ND (0.11)	0.038 J	1.9	0.23	1.4 J	0.74	1.2	190 J	19 J	0.61	ND (0.12)	-
Phenol	30	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.9)	ND (0.18)	ND (0.18)	0.41 J	0.071 J	ND (0.2)	ND (0.2)	-
Pyrene	NA	0.23	4.9	ND (0.11)	0.028 J	0.67	0.32	0.74	ND (0.11)	0.066 J	1.7	0.26	0.98 J	1.4	1.5	140 J	10 J	0.73	0.042 J	-

TABLE 3
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																				
Location Name	Restricted Use Soil	RI-SB-15	RI-SB-16	RI-SB-16	RI-SB-16	RI-SB-17	RI-SB-17	RI-SB-17	RI-SB-17	RI-SB-18	RI-SB-18	RI-SB-18	RI-SB-19	RI-SB-19	RI-SB-19	RI-SB-20	RI-SB-20	RI-SB-20	RI-SB-20	SB-103
Sample Name	Cleanup Objectives -	RI-SB-15_24-26	RI-SB-16_0-2	RI-SB-16_3-5	RI-SB-16_10-12	RI-SB-17_0-2	RI-SB-17_10-12	RI-SB-17_20-22	RI-SB-17_22-24	RI-SB-18_0-2	RI-SB-18_14-16	RI-SB-18_20-22	RI-SB-19_0-2	RI-SB-19_7-9	RI-SB-19_10-12	RI-SB-20_0-2	DUP-03_20260205	RI-SB-20_8-10	RI-SB-20_11-13	SB-103_0-2_RS
Sample Date	Protection Ecological	03/16/2026	02/03/2026	02/03/2026	02/03/2026	02/16/2026	02/16/2026	02/16/2026	03/16/2026	02/16/2026	02/16/2026	02/16/2026	02/06/2026	02/06/2026	02/06/2026	02/05/2026	02/05/2026	02/05/2026	02/05/2026	03/16/2026
Lab Sample ID	Resources	L2614269-15	L2605921-10	L2605921-11	L2605921-12	L2608462-03	L2608462-04	L2608462-05	L2614269-05	L2608462-06	L2608462-07	L2608462-08	L2606929-02	L2606929-03	L2606929-04	L2606574-06	L2606574-07	L2606574-08	L2606574-09	L2614270-06
Sample Depth (bgs)	2025	24 - 26 (ft)	0 - 2 (ft)	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 2 (ft)	14 - 16 (ft)	20 - 22 (ft)	0 - 2 (ft)	7 - 9 (ft)	10 - 12 (ft)	0 - 2 (ft)	0 - 2 (ft)	8 - 10 (ft)	11 - 13 (ft)	0 - 2 (ft)
PFAS (mg/kg)																				
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.000791)	ND (0.000808)	ND (0.000808)	ND (0.000796)	ND (0.000801)	ND (0.000792)	ND (0.000799)	ND (0.00079)	ND (0.0008)	ND (0.000801)	ND (0.000799)	ND (0.000804)	ND (0.00079)	ND (0.000808)	ND (0.000796)	ND (0.000795)	ND (0.000799)	ND (0.000797)	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.00494)	ND (0.00505)	ND (0.00505)	ND (0.00498)	ND (0.00501)	ND (0.00495)	ND (0.005)	ND (0.00494)	ND (0.005)	ND (0.00501)	ND (0.00499)	ND (0.00503) J	ND (0.00494) J	ND (0.00505) J	ND (0.00498) J	ND (0.00497) J	ND (0.005) J	ND (0.00498) J	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.00494)	ND (0.00505)	ND (0.00505)	ND (0.00498)	ND (0.00501)	ND (0.00495)	ND (0.005)	ND (0.00494)	ND (0.005)	ND (0.00501)	ND (0.00499)	ND (0.00503)	ND (0.00494)	ND (0.00505)	ND (0.00498)	ND (0.00497)	ND (0.005)	ND (0.00498)	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.000989)	ND (0.00101)	ND (0.00101)	ND (0.000996)	ND (0.001)	ND (0.00099)	ND (0.000999)	ND (0.000988)	ND (0.001)	ND (0.001)	ND (0.000999)	ND (0.001)	ND (0.000987)	ND (0.00101)	ND (0.000996)	ND (0.000994)	ND (0.000999)	ND (0.000997)	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.000791)	ND (0.000808)	ND (0.000808)	ND (0.000796)	ND (0.000801)	ND (0.000792)	ND (0.000799)	ND (0.00079)	ND (0.0008)	ND (0.000801)	ND (0.000799)	ND (0.000804)	ND (0.00079)	ND (0.000808)	ND (0.000796)	ND (0.000795)	ND (0.000799)	ND (0.000797)	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.000791)	ND (0.000808)	ND (0.000808)	ND (0.000796)	ND (0.000801)	ND (0.000792)	ND (0.000799)	ND (0.00079)	ND (0.0008)	ND (0.000801)	ND (0.000799)	ND (0.000804)	ND (0.00079)	ND (0.000808)	ND (0.000796)	ND (0.000795)	ND (0.000799)	ND (0.000797)	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.000791)	ND (0.000808)	ND (0.000808)	ND (0.000796)	ND (0.000801)	ND (0.000792)	ND (0.000799)	ND (0.00079)	ND (0.0008)	ND (0.000801)	ND (0.000799)	ND (0.000804)	ND (0.00079)	ND (0.000808)	ND (0.000796)	ND (0.000795)	ND (0.000799)	ND (0.000797)	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	ND (0.000791)	ND (0.000808)	ND (0.000808)	ND (0.000796)	ND (0.000801)	ND (0.000792)	ND (0.000799)	ND (0.00079)	ND (0.0008)	ND (0.000801)	ND (0.000799)	ND (0.000804)	ND (0.00079)	ND (0.000808)	ND (0.000796)	ND (0.000795)	ND (0.000799)	ND (0.000797)	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.000791)	ND (0.000808)	ND (0.000808)	ND (0.000796)	ND (0.000801)	ND (0.000792)	ND (0.000799)	ND (0.00079)	ND (0.0008)	ND (0.000801)	ND (0.000799)	ND (0.000804)	ND (0.00079)	ND (0.000808)	ND (0.000796)	ND (0.000795)	ND (0.000799)	ND (0.000797)	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.000198)	ND (0.000202)	ND (0.000202)	ND (0.000199)	ND (0.0002) J	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.000199)	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.000198) J	ND (0.000202)	ND (0.000202) J	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198) J	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.000199)	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00198) J	ND (0.00202) J	ND (0.00202) J	ND (0.00199)	ND (0.002) J	ND (0.00198)	ND (0.002) J	ND (0.00198) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.00201)	ND (0.00197)	ND (0.00202)	ND (0.00199)	ND (0.00199)	ND (0.002)	ND (0.00199)	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NA	ND (0.000198)	ND (0.000202)	ND (0.000202)	ND (0.000199)	ND (0.0002) J	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.000199)	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.000198) J	ND (0.000202)	ND (0.000202)	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198) J	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.000199)	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00198) J	ND (0.00202) J	ND (0.00202) J	ND (0.00199)	ND (0.002) J	ND (0.00198)	ND (0.002) J	ND (0.00198) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.00201)	ND (0.00197) J	ND (0.00202)	ND (0.00199)	ND (0.00199)	ND (0.002)	ND (0.00199)	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.000396)	ND (0.000404)	ND (0.000404)	ND (0.000398)	ND (0.000401)	ND (0.000396)	ND (0.0004)	ND (0.000395)	ND (0.0004)	ND (0.000401)	ND (0.0004)	0.000402 R	0.000395 R	0.000404 R	0.000398 R	0.000398 R	0.0004 R	0.000399 R	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.000396)	ND (0.000404)	ND (0.000404)	ND (0.000398)	ND (0.000401)	ND (0.000396)	ND (0.0004)	ND (0.000395)	ND (0.0004)	ND (0.000401)	ND (0.0004)	ND (0.000402)	ND (0.000395)	ND (0.000404)	ND (0.000398)	ND (0.000398)	ND (0.0004)	ND (0.000399)	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.000396)	ND (0.000404)	ND (0.000404)	ND (0.000398)	ND (0.000401)	ND (0.000396)	ND (0.0004)	ND (0.000395)	ND (0.0004)	ND (0.000401)	ND (0.0004)	ND (0.000402)	ND (0.000395)	ND (0.000404)	ND (0.000398)	ND (0.000398)	ND (0.0004)	ND (0.000399)	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.000791)	ND (0.000808)	ND (0.000808)	ND (0.000796)	ND (0.000801)	ND (0.000792)	ND (0.000799)	ND (0.00079)	ND (0.0008)	ND (0.000801)	ND (0.000799)	ND (0.000804)	ND (0.00079)	ND (0.000808)	ND (0.000796)	ND (0.000795)	ND (0.000799)	ND (0.000797)	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.000396)	ND (0.000404)	ND (0.000404)	ND (0.000398)	ND (0.000401)	ND (0.000396)	ND (0.0004)	ND (0.000395)	ND (0.0004)	ND (0.000401)	ND (0.0004)	ND (0.000402)	ND (0.000395)	ND (0.000404)	ND (0.000398)	ND (0.000398)	ND (0.0004)	ND (0.000399)	-
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.000198)	ND (0.000202)	ND (0.000202)	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.000199)	-
Perfluorobutanoic acid (PFBA)	NA	ND (0.000791)	ND (0.000808)	ND (0.000808)	ND (0.000796)	ND (0.000801)	ND (0.000792)	ND (0.000799)	ND (0.00079)	ND (0.0008)	ND (0.000801)	ND (0.000799)	ND (0.000804)	ND (0.00079)	ND (0.000808)	ND (0.000796)	ND (0.000795)	ND (0.000799)	ND (0.000797)	-
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.000198)	ND (0.000202)	ND (0.000202)	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198)	0.000296	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	0.000126 J	ND (0.000199)	-
Perfluorodecanoic acid (PFDA)	NA	ND (0.000198)	ND (0.000202)	ND (0.000202)	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198)	0.000124 J	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	0.000121 J	0.000115 J	0.000092 J	ND (0.000199)	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.000198)	ND (0.000202) J	ND (0.000202) J	ND (0.000199) J	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.000199)	-
Perfluorododecanoic acid (PFDoDA)	NA	ND (0.000198)	ND (0.000202)	ND (0.000202)	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198)	0.0001 J	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.000199)	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.000198)	ND (0.000202)	ND (0.000202)	0.000315	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.000199)	-
Perfluoroheptanoic acid (PFHpA)	NA	ND (0.000198)	ND (0.000202)	ND (0.000202)	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	0.000125 J	0.000115 J	0.000244	ND (0.000199)	-
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.000198)	ND (0.000202)	ND (0.000202)	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198)	0.000054 J	0.000084 J	0.000054 J	0.00007 J	0.000061 J	ND (0.000202)	ND (0.000199)	0.000054 J	0.00009 J	ND (0.000199)	-
Perfluorohexanoic acid (PFHxA)	NA	ND (0.000198)	ND (0.000202)	ND (0.000202)	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	0.000264	ND (0.000199)	-
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.000198)	ND (0.000202)	ND (0.000202)	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.000199)	-
Perfluorononanoic acid (PFNA)	NA	ND (0.000198)	ND (0.000202)	ND (0.000202)	0.000032 J	0.00004 J	ND (0.000198)	ND (0.0002)	ND (0.000198)	0.00008 J	ND (0.0002)	0.000034 J	ND (0.000201)	ND (0.000197)	ND (0.000202)	0.000141 J	0.000179 J	0.000056 J	ND (0.000199)	-
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.000198)	ND (0.000202)	ND (0.000202)	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.000199)	-
Perfluorooctanesulfonic acid (PFOS)	NA	ND (0.000198)	0.00707	0.00899	0.0412	0.000575	0.000311	0.000296	ND (0.000198)	0.000852	0.00123	0.0012	0.000553	0.000636	0.000343	0.000277	0.000278	0.00389	0.000126 J	-
Perfluorooctanoic acid (PFOA)	NA	ND (0.000198)	ND (0.000202)	0.000044 J	ND (0.000199)	0.000312	0.000222	0.000132 J	0.000275	0.000188 J	ND (0.0002)	0.00013 J	0.000165 J	0.000101 J	0.000049 J	0.000163 J	0.000191 J	0.000438	0.000048 J	-
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.000198)	ND (0.000202)	ND (0.000202)	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.000199)	-
Perfluoropentanoic acid (PFPeA)	NA	ND (0.000396)	ND (0.000404)	ND (0.000404)	ND (0.000398)	ND (0.000401)	ND (0.000396)	ND (0.0004)	ND (0.000395)	ND (0.0004)	ND (0.000401)	ND (0.0004)	ND (0.000402)	ND (0.000395)	ND (0.000404)	0.000193 J	ND (0.000398)	0.000344 J	ND (0.000399)	-
Perfluorotetradecanoic acid (PFTeDA)	NA	ND (0.000198) J	ND (0.000202) J	ND (0.000202) J	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198) J	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199) J	ND (0.0002) J	ND (0.000199)	-
Perfluorotridecanoic acid (PFTrDA)	NA	ND (0.000198) J	ND (0.000202) J	ND (0.000202) J	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198) J	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199) J	ND (0.0002) J	ND (0.000199)	-
Perfluoroundecanoic acid (PFUnDA)	NA	ND (0.000198)	ND (0.000202)	ND (0.000202)	ND (0.000199)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.000198)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.000201)	ND (0.000197)	ND (0.000202)	ND (0.000199)	ND (0.000199)	ND (0.0002)	ND (0.000199)	-
Pesticides (mg/kg)																				
4,4'-DDD	0.0033	ND (0.00184)	ND (0.00174)	ND (0.00171)	ND (0.00178)	0.00445	0.00322	ND (0.00197)	ND (0.00175)	ND (0.00189)	ND (0.00179)	0.00268	0.00488	0.0486	0.0118	ND (0.00166)	ND (0.00169)	0.0372	ND (0.00189)	-
4,4'-DDE	0.0033	ND (0.00184)	ND (0.00174)	ND (0.00171)	ND (0.00178)	0.00285	0.00183 J	ND (0.00197)	ND (0.00175)	0.000706 J	ND (0.00179)	0.00129 J	0.00168 J	0.0116	0.00774	ND (0.00166)	ND (0.00169)	0.0139	ND (0.00189)	-
4,4'-DDT	0.0033	ND (0.00184)	ND (0.00174)	ND (0.00171)	ND (0.00178)	0.0105	0.00616	ND (0.00197)	ND (0.00175)	ND (0.00189) J	ND (0.00179)	0.00428	ND (0.00175) J	0.068	0.00501	ND (0.00166)	ND (0.00169)	0.0197 J	ND (0.00189)	-
Aldrin	0.14	ND (0.00184)	ND (0.00174)	ND (0.00171)	ND (0.00178)	ND (0.00193)	ND (0.00194)	ND (0.00197)	ND (0.00175)	ND (0.00189)	ND (0.00179)	ND (0.00185)	ND (0.00175)	ND (0.0017)	ND (0.00174)	ND (0.00166)	ND (0.00169)	ND (0.00191)	ND (0.00189)	-
alpha-BHC	0.04	ND (0.000768)	ND (0.000727)	ND (0.000711)	ND (0.000742)	ND (0.000803)	ND (0.000811)	ND (0.000822)	ND (0.000728)	ND (0.000789)	ND (0.000746)	ND (0.00077)	ND (0.00073)	ND (0.000706)	ND (0.000725)	ND (0.000694)	ND (0.000706)	ND (0.000796)	ND (0.000788)	-
alpha-Chlordane (cis)	1.3	ND (0.0023)	ND (0.00218)	ND (0.00213)	ND (0.00223)	0.00477 J	0.00277 J	ND (0.00246)	ND (0.00218)	0.00231 J	ND (0.00224)	0.00362 J	0.00284	0.0233	0.00342 J	ND (0.00208)	ND (0.00212)	ND (0.00239)	ND (0.00236)	-
beta-BHC	0.6	ND (0.00184)	ND (0.00174)	ND (0.00171)	ND (0.00178)	ND (0.00193)	ND (0.00194)	ND (0.00197)	ND (0.00175)	ND (0.00189)	ND (0.00179)	ND (0.00185)	ND (0.00175)	ND (0.0017)	ND (0.00174)	ND (0.00166)	ND (0.00169)	ND (0.00191)	ND (0.00189)	-
Chlordane	NA	ND (0.0154)	ND (0.0145)	ND (0.0142)	ND (0.0148)	0.0577	0.0342	ND (0.0164)	ND (0.0146)	0.0186 J	ND (0.0149)	0.0391	0.0249	0.0908	ND (0.0145)	ND (0.0139)	ND (0.0141)	ND (0.0159)	ND (0.0158)	-
delta-BHC	0.04	ND (0.00184)	ND (0.00174)	ND (0.00171)	ND (0.00178)	ND (0.00193)	ND (0.00194)	ND (0.00197)	ND (0.00175)	ND (0.00189)	ND (0.00179)	ND (0.00185)	ND (0.00175)	ND (0.0017)	ND (0.00174)	ND (0.00166)	ND (0.00169)	ND (0.00191)	ND (0.00189)	-
Dieldrin	0.006	ND (0.00115)	ND (0.00109)	ND (0.00107)	ND (0.00111)	ND (0.0012)	ND (0.00122)	ND (0.00123)	ND (0.00109)	ND (0.00118)	ND (0.00112)	ND (0.00116)	ND (0.0011)	0.0107	ND (0.00109)	ND (0.00104)	ND (0.00106)	ND (0.00119)	ND (0.00118)	-
Endosulfan I	NA	ND (0.00184)	ND (0.00174)	ND (0.00171)	ND (0.00178)	ND (0.00193)	ND (0.00194)	ND (0.00197)	ND (0.00175)	ND (0.00189)	ND (0.00179)	ND (0.00185)	ND (0.00175)	ND (0.0017)	ND (0.00174)	ND (0.00166)	ND (0.00169)	ND (0.00191)	ND (0.00189)	-
Endosulfan II	NA	ND (0.00184)	ND (0.00174)	ND (0.00171)	ND (0.00178)	ND (0.00193)	ND (0.00194)	ND (0.00197)	ND (0.00175)	ND (0.00189)	ND (0.00179)	ND (0.00185)	ND (0.00175)	ND (0.0017)	ND (0.00174)	ND (0.00166)	ND (0.00169)	ND (0.00191)	ND (0.00189)	-
Endosulfan sulfate	NA	ND (0.000768)	ND (0.000727)	ND (0.000711)	ND (0.000742)	ND (0.000803)	ND (0.000811)	ND (0.000822)	ND (0.000728)	ND (0.000789)	ND (0.000746)	ND (0.00077)	ND (0.00073)	ND (0.000706)	ND (0.000725)	ND (0.000694)	ND (0.000706)	ND (0.000796)	ND (0.000788)	-
Endrin	0.014	ND (0.000768)	ND (0.000727)	ND (0.000711)	ND (0.000742)	ND (0.000803)	ND (0.000811)	ND (0.000822)	ND (0.000728)	ND (0.000789)	ND (0.000746)	ND (0.00077)	ND (0.00073)	ND (0.000706)	ND (0.000725)	ND (0.000694)	ND (0.000706)	ND (0.000796)	ND (0.000788)	-
Endrin aldehyde	NA	ND (0.0023)	ND (0.00218)	ND (0.00213)	ND (0.00223)	ND (0.00241)	ND (0.00243)	ND (0.00246)	ND (0.00218)	ND (0.00237)	ND (0.00224)	ND (0.00231)	ND (0.00219)	ND (0.00212)	ND (0.00218)	ND (0.00208)	ND (0.00212)	ND (0.00239)	ND (0.00236)	-
Endrin ketone	NA	ND (0.00184)	ND (0.00174)	ND (0.00171)	ND (0.00178)	ND (0.00193)	ND (0.00194)	ND (0.00197)	ND (0.00175)	ND (0.00189)	ND (0.00179)	ND (0.00185)	ND (0.00175)	ND (0.0017)	ND (0.00174)	ND (0.00166)	ND (0.00169)	ND (0.00191)	ND (0.00189)	-
gamma-BHC (Lindane)	6	ND (0.000768)	ND (0.000727)	ND (0.000711)	ND (0.000742)	ND (0.000803)	ND (0.000811)	ND (0.000822)	ND (0.000728)	ND (0.000789)	ND (0.000746)	ND (0.00077)	ND (0.00073)	ND (0.000706)	ND (0.000725)	ND (0.000694)	ND (0.000706)	ND (0.000796)	ND (0.000788)	-
gamma-Chlordane (trans)	NA	ND (0.0023)	ND (0.00218)	ND (0.00213)	ND (0.00223)	0.00543 J	0.0033	ND (0.00246)	ND (0.00218)	0.00244 J	ND (0.00224)	0.0048	0.00253	0.0167	0.00307 J	ND (0.00208)	ND (0.00212)	ND (0.00239)	ND (0.00236)	-
Heptachlor	0.14	ND (0.000922)	ND (0.000873)	ND (0.000853)	ND (0.000891)	ND (0.000963) J	ND (0.000973)	ND (0.000986)	ND (0.000874)	ND (0.000947)	ND (0.000895)	0.00047 J	ND (0.000876)	ND (0.000848)	ND (0.00087)	ND (0.000832)	ND (0.000847)	ND (0.000955)	ND (0.000945)	-
Heptachlor epoxide	NA	ND (0.00346)	ND (0.00327)	ND (0.0032)	ND (0.00334)	ND (0.00361)	ND (0.00365)	ND (0.0037)	ND (0.00328)	ND (0.00355)	ND (0.00336)	ND (0.00346)	ND (0.00328)	ND (0.00318)	ND (0.00326)	ND (0.00312)	ND (0.00318)	ND (0.00358)	ND (0.00354)	-
Methoxychlor	NA	ND (0.00346)	ND (0.00327)	ND (0.0032)	ND (0.00334)	ND (0.00361)	ND (0.00365)	ND (0.0037)	ND (0.00328)	ND (0.00355)	ND (0.00336)	ND (0.00346)	ND (0.00328)	ND (0.00318)	ND (0.00326)	ND (0.00312)	ND (0.00318)	ND (0.00358)	ND (0.00354)	-
Toxaphene	NA	ND (0.0346)	ND (0.0327)	ND (0.032)	ND (0.0334)	ND (0.0361)	ND (0.0365)	ND (0.037)	ND (0.0328)	ND (0.0355)	ND (0.0336)	ND (0.0346)	ND (0.0328)	ND (0.0318)	ND (0.0326)	ND (0.0312)	ND (0.0318)	ND (0.0358)	ND (0.0354)	-
Polychlorinated Biphenyls (mg/kg)																				
Aroclor-1016 (PCB-1016)	NA	ND (0.0578)	ND (0.274)	ND (0.0554)	ND (0.0564)	ND (0.0589)	ND (0.0563)	ND (0.0618)	ND (0.0553)	ND (0.0595)	ND (0.0567)	ND (0.0563)	ND (0.0522)	ND (0.0535)	ND (0.0551)	ND (0.0535)	ND (0.0518)	ND (0.0575)	ND (0.0601)	-
Aroclor-1221 (PCB-1221)	NA	ND (0.0578)	ND (0.274)	ND (0.0554)	ND (0.0564)	ND (0.0589)	ND (0.0563)	ND (0.0618)	ND (0.0553)	ND (0.0595)	ND (0.0567)	ND (0.0563)	ND (0.0522)	ND (0.0535)	ND (0.0551)	ND (0.0535)	ND (0.0518)	ND (0.0575)	ND (0.0601)	-
Aroclor-1232 (PCB-1232)	NA	ND (0.0578)	ND (0.274)	ND (0.0554)	ND (0.0564)	ND (0.0589)	ND (0.0563)	ND (0.0618)	ND (0.0553)	ND (0.0595)	ND (0.0567)	ND (0.0563)	ND (0.0522)	ND (0.0535)	ND (0.0551)	ND (0.0535)	ND (0.0518)	ND (0.0575)	ND (0.0601)	-
Aroclor-1242 (PCB-1242)	NA	ND (0.0578)	ND (0.274)	ND (0.0554)	ND (0.0564)	ND (0.0589)	ND (0.0563)	ND (0.0618)	ND (0.0553)	ND (0.0595)	ND (0.0567)	ND (0.0563)	ND (0.0522)	ND (0.0535)	ND (0.0551)	ND (0.0535)	ND (0.0518)	ND (0.0575)	ND (0.0601)	-
Aroclor-1248 (PCB-1248)	NA	ND (0.0578)	ND (0.274)	ND (0.0554)	ND (0.0564)	0.0269 J	0.0372 J	ND (0.0618)	ND (0.0553)	ND (0.0595)	ND (0.0567)	0.0232 J	0.0194 J	ND (0.0535)	ND (0.0551)	ND (0.0535)	ND (0.0518)	ND (0.0575)	ND (0.0601)	-
Aroclor-1254 (PCB-1254)	NA	ND (0.0578)	2.98	0.0352 J	0.014 J	0.0568 J	0.039 J	ND (0.0618)	ND (0.0553)	ND (0.0595)	ND (0.0567)	0.0389 J	0.0195 J	0.0456 J	0.0149 J	0.954 J	0.398 J	0.227	ND (0.0601)	-
Aroclor-1260 (PCB-1260)	NA	ND (0.0578)	ND (0.274)	ND (0.0554)	ND (0.0564)	0.132	0.0765	ND (0.0618)	ND (0.0553)	ND (0.0595)	ND (0.0567)	0.107	0.0157 J	0.0141 J	0.0126 J	ND (0.0535) J	0.107 J	0.168	ND (0.0601)	-
Aroclor-1262 (PCB-1262)	NA	ND (0.0578)	ND (0.274)	ND (0.0554)	ND (0.0564)	ND (0.0589)	ND (0.0563)	ND (0.0618)	ND (0.0553)	ND (0.0595)	ND (0.0567)	ND (0.0563)	ND (0.0522)	ND (0.0535)	ND (0.0551)	ND (0.0535)	ND (0.0518)	ND (0.0575)	ND (0.0601)	-
Aroclor-1268 (PCB-1268)	NA	ND (0.0578)	ND (0.274)	ND (0.0554)	ND (0.0564)	0.133	0.0653	ND (0.0618)	ND (0.0553)	ND (0.0595)	ND (0.0567)	0.1	ND (0.0522)	ND (0.0535)	ND (0.0551)	ND (0.0535)	ND (0.0518)	ND (0.0575)	ND (0.0601)	-
Polychlorinated biphenyls (PCBs)	1	ND (0.0578)	2.98	0.0352 J	0.014 J	0.349 J	0.218 J	ND (0.0618)	ND (0.0553)	ND (0.0595)	ND (0.0567)	0.269 J	0.0546 J	0.0597 J	0.0275 J	0.954 J	0.505 J	0.395	ND (0.0601)	-

TABLE 3
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria																				
Location Name	Restricted Use Soil	RI-SB-15	RI-SB-16	RI-SB-16	RI-SB-16	RI-SB-17	RI-SB-17	RI-SB-17	RI-SB-17	RI-SB-18	RI-SB-18	RI-SB-18	RI-SB-19	RI-SB-19	RI-SB-19	RI-SB-20	RI-SB-20	RI-SB-20	RI-SB-20	SB-103
Sample Name	Cleanup Objectives -	RI-SB-15_24-26	RI-SB-16_0-2	RI-SB-16_3-5	RI-SB-16_10-12	RI-SB-17_0-2	RI-SB-17_10-12	RI-SB-17_20-22	RI-SB-17_22-24	RI-SB-18_0-2	RI-SB-18_14-16	RI-SB-18_20-22	RI-SB-19_0-2	RI-SB-19_7-9	RI-SB-19_10-12	RI-SB-20_0-2	DUP-03_20260205	RI-SB-20_8-10	RI-SB-20_11-13	SB-103_0-2_RS
Sample Date	Protection Ecological	03/16/2026	02/03/2026	02/03/2026	02/03/2026	02/16/2026	02/16/2026	02/16/2026	03/16/2026	02/16/2026	02/16/2026	02/16/2026	02/06/2026	02/06/2026	02/06/2026	02/05/2026	02/05/2026	02/05/2026	02/05/2026	03/16/2026
Lab Sample ID	Resources	L2614269-15	L2605921-10	L2605921-11	L2605921-12	L2608462-03	L2608462-04	L2608462-05	L2614269-05	L2608462-06	L2608462-07	L2608462-08	L2606929-02	L2606929-03	L2606929-04	L2606574-06	L2606574-07	L2606574-08	L2606574-09	L2614270-06
Sample Depth (bgs)	2025	24 - 26 (ft)	0 - 2 (ft)	3 - 5 (ft)	10 - 12 (ft)	0 - 2 (ft)	10 - 12 (ft)	20 - 22 (ft)	22 - 24 (ft)	0 - 2 (ft)	14 - 16 (ft)	20 - 22 (ft)	0 - 2 (ft)	7 - 9 (ft)	10 - 12 (ft)	0 - 2 (ft)	0 - 2 (ft)	8 - 10 (ft)	11 - 13 (ft)	0 - 2 (ft)
Inorganic Compounds (mg/kg)																				
Aluminum	NA	9010	6600	9670	7030	8950	8530	9240	9450	7870	7290	10100	2530	7730	8000	9230	8560	3520	10800	-
Antimony	NA	ND (4.47)	ND (4.49) J	ND (4.28) J	ND (4.47) J	ND (4.78)	ND (4.71)	ND (4.96)	ND (4.56)	ND (4.66)	ND (8.91)	ND (4.73)	ND (8.82) J	ND (4.33) J	ND (4.35) J	ND (4.16) J	ND (4.42) J	ND (4.85) J	ND (4.85) J	-
Arsenic	13	1.94	2.08	3.92	1.99	4.66	3.49	5.32	1.42	1.68	6.76	2.39	3.37	2.86	6.66	4.55 J-	2.85 J-	11.5 J-	5.56 J-	-
Barium	433	65	33.6	47.8	35.2	72.8	67.9	60.9	61	57.5	103	60.6	17.7	59.6	193	64.9	45.1	162	93.6	-
Beryllium	10	0.199 J	0.333 J	0.512	0.364 J	0.36 J	0.353 J	0.443 J	0.365 J	0.258 J	0.388 J	0.478	0.184 J	0.083 J	0.373 J	0.342 J	0.308 J	0.285 J	0.584	-
Cadmium	4	0.147 J	0.172 J	0.341 J	0.127 J	0.357 J	0.14 J	0.102 J	0.182 J	0.081 J	ND (1.78)	ND (0.946)	ND (1.76) J	0.049 J-	0.336 J-	ND (0.832)	ND (0.883)	0.612 J	0.338 J	-
Calcium	NA	7560	6050	1260	1560	12900	15000	14900	2560	8710	44200	19600	78600	10300	25800	2980	3860	3250	1510	-
Chromium	NA	21.8	19.9	12.8	21	22	24.1	24.7	17.1	19.6	16.4	27.4	6.66 J+	21.6 J+	15.6 J+	20.2 J-	18.8 J-	13.5 J-	16.3 J-	-
Chromium VI (Hexavalent)	20	ND (0.933)	0.207 J	0.509 J	0.318 J	ND (0.998)	ND (0.978)	ND (1.02)	ND (0.925)	ND (0.984)	ND (0.922)	ND (0.971)	ND (0.885)	ND (0.869)	ND (0.893)	ND (0.88)	0.499 J	ND (0.979)	ND (0.977)	-
Cobalt	NA	8.19	5.23	5.79	5.76	7.47	6.74	6.68	8.33	7.29	5.02	7.67	3.62	6.58	5.21	6.95	6.48	5.25	5.06	-
Copper	50	60.2	45.8	15.2	14.2	49	40.6	44	26.6	28.4	29.7	31.6	9.37 J+	32.1 J+	51.1 J+	27.5 J-	23.4 J-	75 J-	19.4 J-	-
Iron	NA	15800	11300	13500	11800	23100	15500	20500	16800	15000	15200	16600	12900	12600	12800	15800	13900	9340	13500	-
Lead	63	22	13 J-	74.8 J-	4.83 J-	113	88.2	75.3	7.64	34.4	96.8	44.8	9.26	27.9	314	69 J-	19.1 J-	262 J-	182 J-	-
Magnesium	NA	5980	5150	2230	3330	6970	9190	4500	4390	8040	4820	13600	42000	6600	2640	3730	3700	2250	3040	-
Manganese	1600	282	356	212	494	416	276	397	296	231	226	336	134 J+	137 J+	326 J+	328	291	204	285	-
Mercury	0.18	ND (0.074)	ND (0.09)	0.056 J	ND (0.08)	0.096 J	0.091 J	0.112	ND (0.076)	0.059 J	ND (0.077)	0.065 J	ND (0.091)	0.057 J	0.563	0.098	0.063 J	0.132	0.494	-
Nickel	30	17.1	16.3	12.9	13.8	20	18	16.4	12.8	17.4	12	18	8.26 J	16.8 J	11.7 J	15.5	13.8	20.1	10.7	-
Potassium	NA	2410	817	524	666	1560	1760	886	1090	2190	1040	1970	370 J+	3150 J+	955 J+	1140 J-	1330 J-	635 J-	672 J-	-
Selenium	3.9	ND (1.79)	ND (1.8)	ND (1.71)	ND (1.79)	ND (1.91)	ND (1.88)	ND (1.98)	ND (1.83)	ND (1.86)	0.641 J	ND (1.89)	ND (3.53)	ND (1.73)	0.581 J	ND (1.66)	ND (1.77)	0.727 J	0.588 J	-
Silver	2	0.813	ND (0.449)	0.273 J	ND (0.447)	0.341 J	0.846	1.45	ND (0.456)	ND (0.466)	1.59	0.38 J	ND (0.882)	ND (0.433)	ND (0.435)	0.308 J	ND (0.442)	0.325 J	0.365 J	-
Sodium	NA	163 J	164 J	145 J	200	103 J	154 J	248	110 J	ND (186)	ND (356)	136 J	ND (353)	178	136 J	ND (166)	ND (177)	340 J+	1170 J+	-
Thallium	NA	ND (1.79)	ND (1.8)	ND (1.71)	ND (1.79)	ND (1.91)	ND (1.88)	ND (1.98)	ND (1.83)	ND (1.86)	ND (3.56)	ND (1.89)	ND (3.53)	ND (1.73)	ND (1.74)	ND (1.66)	ND (1.77)	ND (1.94)	ND (1.94)	-
Vanadium	NA	25.5	17	17	18.8	29.5	27.4	22.7	27.9	27.8	21.1	31.7	20 J-	30.6 J-	21.6 J-	28 J-	24 J-	25.4 J-	20.2 J-	-
Zinc	109	54.4	37.1 J-	106 J-	28.1 J-	139	116	66.1	36	75.9	170	84.7	15.8 J	55 J	211 J	89.8 J-	45.1 J-	229 J-	1140 J-	-
TCLP Inorganic Compounds (mg/L)																				
Lead	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other																				
Total Solids (%)	NA	85.7	86.8	88.4	88.1	80.2	81.8	78.5	86.5	81.3	86.8	82.4	90.4	92.1	89.6	90.9	90.2	81.7	81.9	88.1
Cyanide (mg/kg)	NA	ND (1.1)	ND (1.1) J	ND (1.1) J	ND (1) J	ND (1.2) J	ND (1.1) J	ND (1.2) J	ND (1.1)	ND (1.1) J	0.34 J-	ND (1.1) J	ND (1.1)	ND (1)	ND (1.1)	ND (1) J	ND (1.1) J	ND (1.2) J	ND (1.2) J	-

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram
mg/L: milligram per liter
-: Not Analyzed
B: Compound was found in the blank and the associated sample.
bgs: below ground surface
F: Results are considered to be an estimated maximum concentration
ft: feet
I: The lower value for the two columns has been reported due to obvious interference.
J-: Value is estimated, low bias.
J: Value is estimated.
J+: Value is estimated, high bias.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
P: The RPD between the results for the two columns exceeds the method-specified criteria.
R: Rejected

- 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 Protection of Ecological Resources Soil Cleanup Objectives (SCO).
- Grey shading indicates an exceedance of the Protection of Ecological Resources Soil Cleanup Objectives (SCO).

TABLE 3
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria				
Location Name	Restricted Use Soil	SB-103	SB-103	SB-103	SB-106
Sample Name	Cleanup Objectives -	DUP-02_20260316	SB-103_3-5_RS	SB-103_7-9_RS	SB-106_D_3-5_US
Sample Date	Protection Ecological	03/16/2026	03/16/2026	03/16/2026	02/05/2026
Lab Sample ID	Resources	L2614270-07	L2614270-08	L2614270-09	L2606574-03
Sample Depth (bgs)	2025	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	3 - 5 (ft)
Volatile Organic Compounds (mg/kg)					
1,1,1,2-Tetrachloroethane	NA	-	-	-	-
1,1,1-Trichloroethane	NA	ND (0.031)	ND (0.027)	ND (0.027)	-
1,1,2,2-Tetrachloroethane	NA	-	-	-	-
1,1,2-Trichloroethane	NA	-	-	-	-
1,1-Dichloroethane	NA	-	-	-	-
1,1-Dichloroethene	NA	ND (0.062)	ND (0.054)	ND (0.054)	-
1,1-Dichloropropene	NA	-	-	-	-
1,2,3-Trichlorobenzene	NA	-	-	-	-
1,2,3-Trichloropropane	NA	-	-	-	-
1,2,4,5-Tetramethylbenzene	NA	-	-	-	-
1,2,4-Trichlorobenzene	NA	-	-	-	-
1,2,4-Trimethylbenzene	NA	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	-	-	-
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	-	-	-
1,2-Dichlorobenzene	NA	-	-	-	-
1,2-Dichloroethane	10	-	-	-	-
1,2-Dichloroethene (total)	NA	-	-	-	-
1,2-Dichloropropane	NA	-	-	-	-
1,3,5-Trimethylbenzene	NA	-	-	-	-
1,3-Dichlorobenzene	NA	-	-	-	-
1,3-Dichloropropane	NA	-	-	-	-
1,3-Dichloropropene	NA	-	-	-	-
1,4-Dichlorobenzene	20	-	-	-	-
1,4-Diethylbenzene	NA	-	-	-	-
1,4-Dioxane	0.1	-	-	-	-
2,2-Dichloropropane	NA	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	100	-	-	-	-
2-Chlorotoluene	NA	-	-	-	-
2-Hexanone (Methyl Butyl Ketone)	NA	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	NA	-	-	-	-
4-Chlorotoluene	NA	-	-	-	-
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	-	-	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	-	-	-
Acetone	2.2	-	-	-	-
Acrylonitrile	NA	-	-	-	-
Benzene	70	-	-	-	-
Bromobenzene	NA	-	-	-	-
Bromodichloromethane	NA	-	-	-	-
Bromoform	NA	-	-	-	-
Bromomethane (Methyl Bromide)	NA	-	-	-	-
Carbon disulfide	NA	-	-	-	-
Carbon tetrachloride	NA	ND (0.062)	ND (0.054)	ND (0.054)	-
Chlorobenzene	40	-	-	-	-
Chlorobromomethane	NA	-	-	-	-
Chloroethane	NA	-	-	-	-
Chloroform (Trichloromethane)	12	-	-	-	-
Chloromethane (Methyl Chloride)	NA	-	-	-	-
cis-1,2-Dichloroethene	NA	ND (0.062)	ND (0.054)	3.2	-
cis-1,3-Dichloropropene	NA	-	-	-	-
Cymene (p-Isopropyltoluene)	NA	-	-	-	-
Dibromochloromethane	NA	-	-	-	-
Dibromomethane	NA	-	-	-	-
Dichlorodifluoromethane (CFC-12)	NA	-	-	-	-
Ethyl Ether	NA	-	-	-	-
Ethylbenzene	NA	-	-	-	-
Hexachlorobutadiene	NA	-	-	-	-
Isopropylbenzene (Cumene)	NA	-	-	-	-
m,p-Xylenes	NA	-	-	-	-
Methyl Tert Butyl Ether (MTBE)	NA	-	-	-	-
Methylene chloride (Dichloromethane)	12	ND (0.31)	ND (0.27)	ND (0.27)	-
Naphthalene	NA	-	-	-	-
n-Butylbenzene	NA	-	-	-	-
n-Propylbenzene	NA	-	-	-	-
o-Xylene	NA	-	-	-	-
Styrene	NA	-	-	-	-
tert-Butylbenzene	NA	-	-	-	-
Tetrachloroethene	2	2	0.92	6.1	-
Toluene	36	-	-	-	-
trans-1,2-Dichloroethene	NA	-	-	-	-
trans-1,3-Dichloropropene	NA	-	-	-	-
trans-1,4-Dichloro-2-butene	NA	-	-	-	-
Trichloroethene	2	0.086 J	0.028	1.4	-
Trichlorofluoromethane (CFC-11)	NA	-	-	-	-
Vinyl acetate	NA	-	-	-	-
Vinyl chloride	NA	ND (0.062)	ND (0.054)	ND (0.054)	-
Xylene (Total)	0.26	-	-	-	-

TABLE 3
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria				
Location Name	Restricted Use Soil	SB-103	SB-103	SB-103	SB-106
Sample Name	Cleanup Objectives -	DUP-02_20260316	SB-103_3-5_RS	SB-103_7-9_RS	SB-106_D_3-5_US
Sample Date	Protection Ecological	03/16/2026	03/16/2026	03/16/2026	02/05/2026
Lab Sample ID	Resources	L2614270-07	L2614270-08	L2614270-09	L2606574-03
Sample Depth (bgs)	2025	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	3 - 5 (ft)
Semi-Volatile Organic Compounds (mg/kg)					
1,2,4,5-Tetrachlorobenzene	NA	-	-	-	-
1,2,4-Trichlorobenzene	NA	-	-	-	-
1,2-Dichlorobenzene	NA	-	-	-	-
1,3-Dichlorobenzene	NA	-	-	-	-
1,4-Dichlorobenzene	20	-	-	-	-
1,4-Dioxane	0.1	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	-	-	-	-
2,4,5-Trichlorophenol	NA	-	-	-	-
2,4,6-Trichlorophenol	NA	-	-	-	-
2,4-Dichlorophenol	NA	-	-	-	-
2,4-Dimethylphenol	NA	-	-	-	-
2,4-Dinitrophenol	NA	-	-	-	-
2,4-Dinitrotoluene	NA	-	-	-	-
2,6-Dinitrotoluene	NA	-	-	-	-
2-Chloronaphthalene	NA	-	-	-	-
2-Chlorophenol	NA	-	-	-	-
2-Methylnaphthalene	NA	-	-	-	-
2-Methylphenol (o-Cresol)	NA	-	-	-	-
2-Nitroaniline	NA	-	-	-	-
2-Nitrophenol	NA	-	-	-	-
3&4-Methylphenol	NA	-	-	-	-
3,3'-Dichlorobenzidine	NA	-	-	-	-
3-Nitroaniline	NA	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	-	-	-	-
4-Chloro-3-methylphenol	NA	-	-	-	-
4-Chloroaniline	NA	-	-	-	-
4-Chlorophenyl phenyl ether	NA	-	-	-	-
4-Nitroaniline	NA	-	-	-	-
4-Nitrophenol	NA	-	-	-	-
Acenaphthene	20	-	-	-	-
Acenaphthylene	NA	-	-	-	-
Acetophenone	NA	-	-	-	-
Anthracene	NA	-	-	-	-
Benzo(a)anthracene	NA	-	-	-	-
Benzo(a)pyrene	2.6	-	-	-	-
Benzo(b)fluoranthene	NA	-	-	-	-
Benzo(g,h,i)perylene	NA	-	-	-	-
Benzo(k)fluoranthene	NA	-	-	-	-
Benzoic acid	NA	-	-	-	-
Benzyl Alcohol	NA	-	-	-	-
Biphenyl	NA	-	-	-	-
bis(2-Chloroethoxy)methane	NA	-	-	-	-
bis(2-Chloroethyl)ether	NA	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-
Carbazole	NA	-	-	-	-
Chrysene	NA	-	-	-	-
Dibenz(a,h)anthracene	NA	-	-	-	-
Dibenzofuran	NA	-	-	-	-
Diethyl phthalate	NA	-	-	-	-
Dimethyl phthalate	NA	-	-	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-
Fluoranthene	NA	-	-	-	-
Fluorene	30	-	-	-	-
Hexachlorobenzene	NA	-	-	-	-
Hexachlorobutadiene	NA	-	-	-	-
Hexachlorocyclopentadiene	NA	-	-	-	-
Hexachloroethane	NA	-	-	-	-
Indeno(1,2,3-cd)pyrene	NA	-	-	-	-
Isophorone	NA	-	-	-	-
Naphthalene	NA	-	-	-	-
Nitrobenzene	2	-	-	-	-
N-Nitrosodi-n-propylamine	NA	-	-	-	-
N-Nitrosodiphenylamine	NA	-	-	-	-
Pentachlorophenol	0.8	-	-	-	-
Phenanthrene	NA	-	-	-	-
Phenol	30	-	-	-	-
Pyrene	NA	-	-	-	-

TABLE 3
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria				
Location Name	Restricted Use Soil	SB-103	SB-103	SB-103	SB-106
Sample Name	Cleanup Objectives -	DUP-02_20260316	SB-103_3-5_RS	SB-103_7-9_RS	SB-106_D_3-5_US
Sample Date	Protection Ecological	03/16/2026	03/16/2026	03/16/2026	02/05/2026
Lab Sample ID	Resources	L2614270-07	L2614270-08	L2614270-09	L2606574-03
Sample Depth (bgs)	2025	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	3 - 5 (ft)
PFAS (mg/kg)					
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NA	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	NA	-	-	-	-
Perfluorooctanoic acid (PFOA)	NA	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	-	-	-	-
Pesticides (mg/kg)					
4,4'-DDD	0.0033	-	-	-	-
4,4'-DDE	0.0033	-	-	-	-
4,4'-DDT	0.0033	-	-	-	-
Aldrin	0.14	-	-	-	-
alpha-BHC	0.04	-	-	-	-
alpha-Chlordane (cis)	1.3	-	-	-	-
beta-BHC	0.6	-	-	-	-
Chlordane	NA	-	-	-	-
delta-BHC	0.04	-	-	-	-
Dieldrin	0.006	-	-	-	-
Endosulfan I	NA	-	-	-	-
Endosulfan II	NA	-	-	-	-
Endosulfan sulfate	NA	-	-	-	-
Endrin	0.014	-	-	-	-
Endrin aldehyde	NA	-	-	-	-
Endrin ketone	NA	-	-	-	-
gamma-BHC (Lindane)	6	-	-	-	-
gamma-Chlordane (trans)	NA	-	-	-	-
Heptachlor	0.14	-	-	-	-
Heptachlor epoxide	NA	-	-	-	-
Methoxychlor	NA	-	-	-	-
Toxaphene	NA	-	-	-	-
Polychlorinated Biphenyls (mg/kg)					
Aroclor-1016 (PCB-1016)	NA	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	-	-	-	-

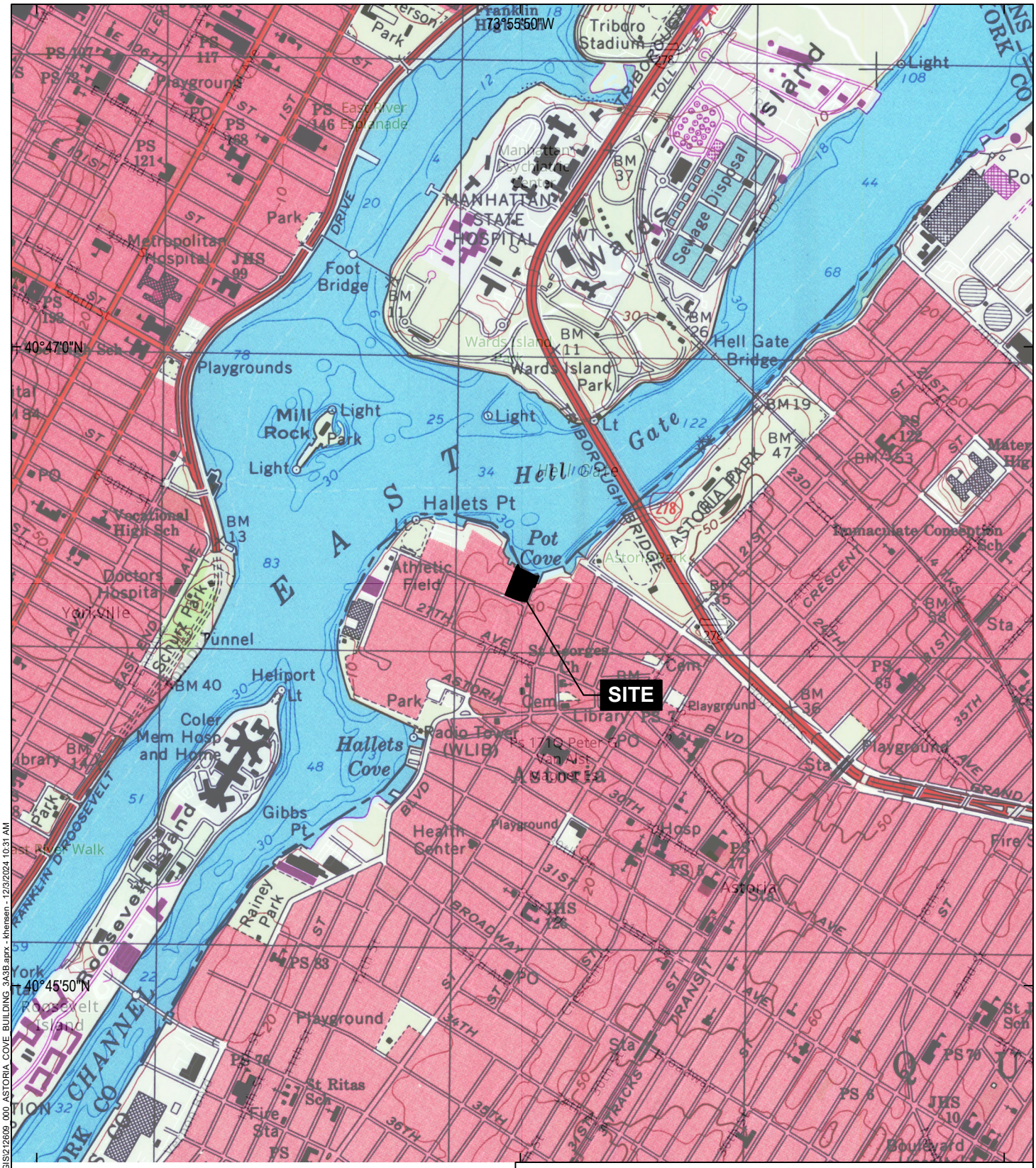
TABLE 3
SUMMARY OF SOIL QUALITY DATA
FORMER TILSDALE LUMBER AND COAL REDEVELOPMENT SITE
QUEENS, NEW YORK
FILE NO. 0212609

	Criteria				
Location Name	Restricted Use Soil	SB-103	SB-103	SB-103	SB-106
Sample Name	Cleanup Objectives -	DUP-02_20260316	SB-103_3-5_RS	SB-103_7-9_RS	SB-106_D_3-5_US
Sample Date	Protection Ecological	03/16/2026	03/16/2026	03/16/2026	02/05/2026
Lab Sample ID	Resources	L2614270-07	L2614270-08	L2614270-09	L2606574-03
Sample Depth (bgs)	2025	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	3 - 5 (ft)
Inorganic Compounds (mg/kg)					
Aluminum	NA	-	-	-	-
Antimony	NA	-	-	-	-
Arsenic	13	-	-	-	-
Barium	433	-	-	-	-
Beryllium	10	-	-	-	-
Cadmium	4	-	-	-	-
Calcium	NA	-	-	-	-
Chromium	NA	-	-	-	-
Chromium VI (Hexavalent)	20	-	-	-	-
Cobalt	NA	-	-	-	-
Copper	50	-	-	-	-
Iron	NA	-	-	-	-
Lead	63	-	-	-	24.8 J-
Magnesium	NA	-	-	-	-
Manganese	1600	-	-	-	-
Mercury	0.18	-	-	-	-
Nickel	30	-	-	-	-
Potassium	NA	-	-	-	-
Selenium	3.9	-	-	-	-
Silver	2	-	-	-	-
Sodium	NA	-	-	-	-
Thallium	NA	-	-	-	-
Vanadium	NA	-	-	-	-
Zinc	109	-	-	-	-
TCLP Inorganic Compounds (mg/L)					
Lead	NA	-	-	-	ND (0.5)
Other					
Total Solids (%)	NA	87.8	93.3	91.9	85.7
Cyanide (mg/kg)	NA	-	-	-	-

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram
mg/L: milligram per liter
-: Not Analyzed
B: Compound was found in the blank and the associated sample.
bgs: below ground surface
F: Results are considered to be an estimated maximum concentration
ft: feet
I: The lower value for the two columns has been reported due to obvious interference.
J-: Value is estimated, low bias.
J: Value is estimated.
J+: Value is estimated, high bias.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
P: The RPD between the results for the two columns exceeds the method-specified criteria.
R: Rejected

- 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 Protection of Ecological Resources Soil Cleanup Objectives (SCO).
- Grey shading indicates an exceedance of the Protection of Ecological Resources Soil Cleanup Objectives (SCO).

FIGURES



MAP SOURCE: USGS
SITE COORDINATES: 40°46'34"N, 73°55'50"W

HALEY ALDRICH

8-01 AND 8-51 26TH AVENUE
QUEENS, NEW YORK

PROJECT LOCUS

APPROXIMATE SCALE: 1 IN = 2000 FT
JUNE 2026

FIGURE 1

GIS: \\haleyaldrich.com\share\CF\Projects\021141\7\GIS\212609_000_ASTORIA_COVE_BUILDING_3A38.apprx - khensen - 12/3/2024 10:31 AM

LEGEND

SITE BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

N

0 2,000 4,000

SCALE IN FEET

HALEY ALDRICH

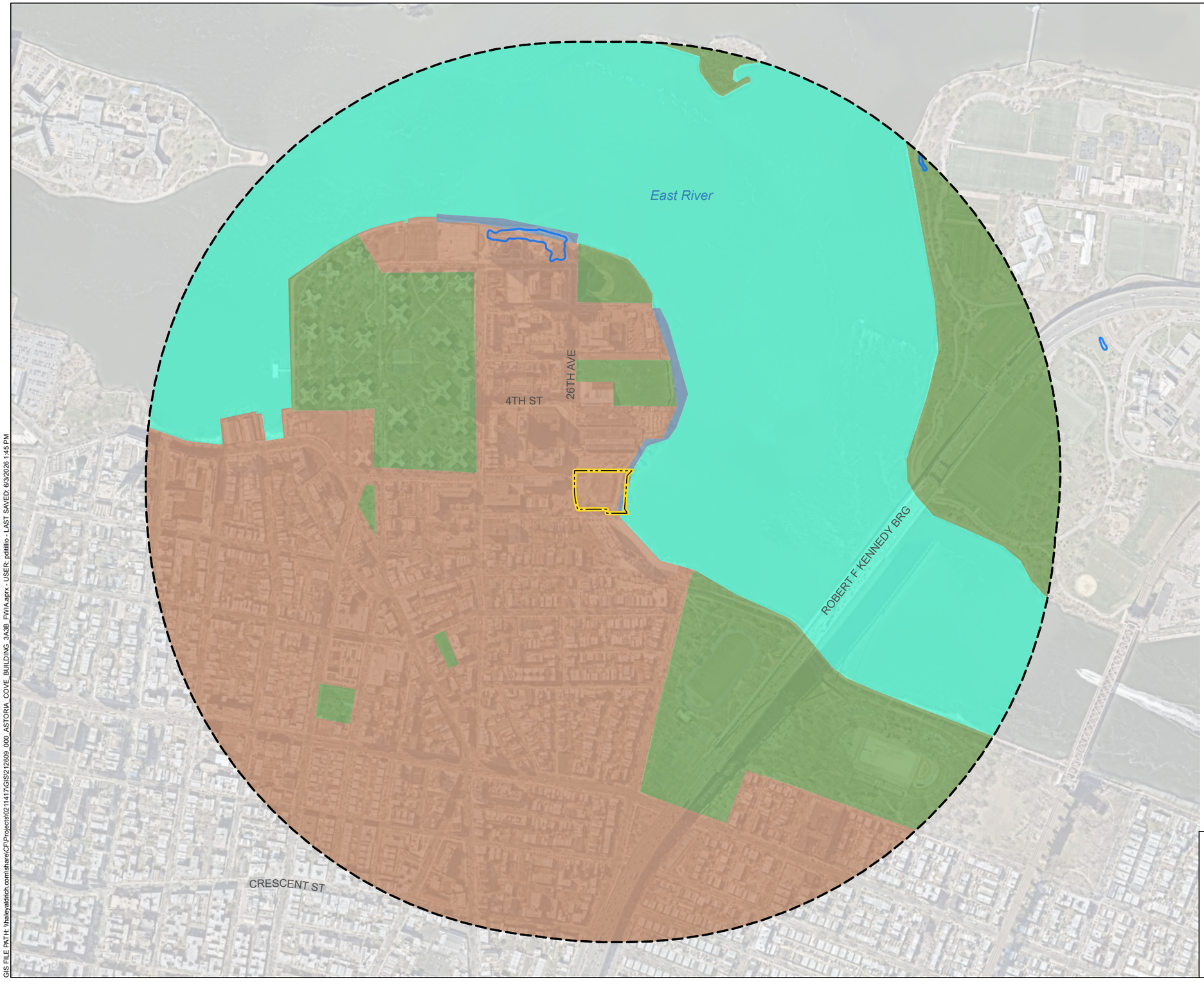
8-01 AND 8-51 26TH AVENUE
QUEENS, NEW YORK

TOPOGRAPHIC MAP

JUNE 2026

FIGURE 2

GIS FILE PATH: \\haleyaldrich.com\share\CFI\Projects\0211417\GIS\212809_000_ASTORIA_COVE_BUILDING_3A3B_FWIA.aprx - USER: pdilillo - LAST SAVED: 6/5/2026 5:24 PM



LEGEND

- SITE BOUNDARY
- HALF-MILE BUFFER OF SITE BOUNDARY
- FRESHWATER WETLAND

HABITAT COVER TYPE

- ESTUARINE RIPRAP/ARTIFICIAL SHORE
- ESTUARINE SUBTIDAL
- MOWED LAWN/MOWED LAWN WITH TREES
- URBAN STRUCTURE EXTERIOR/PAVED ROAD/URBAN VACANT LOT

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

2. WETLANDS DATA SOURCE: NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC), ENVIRONMENTAL RESOURCE MAPPER (ERM)

3. AERIAL IMAGERY SOURCE: NEARMAP, APRIL 9, 2026

N

0 600 1,200

SCALE IN FEET

HALEY ALDRICH

8-01 AND 8-51 26TH AVENUE
QUEENS, NEW YORK

COVER TYPE MAP

JUNE 2026

FIGURE 3

GIS FILE PATH: \\haleyaldrich.com\share\CP\Projects\0211417\GIS\212609_000_ASTORIA_COVE_BUILDING_3A3B_FWIA.aprx - USER: pdifillio - LAST SAVED: 6/3/2026 1:45 PM

LEGEND

- SURFACE WATER FLOW DIRECTION
- TOPOGRAPHIC ELEVATION CONTOUR, 2-FT INTERVAL
- SITE BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. TOPOGRAPHIC ELEVATION CONTOURS GENERATED FROM 2017 NYC TOPOBATHY LiDAR, NAVD88
3. AERIAL IMAGERY SOURCE: NEARMAP, APRIL 9, 2026

N

0 80 160
SCALE IN FEET

HALEY ALDRICH

8-01 AND 8-51 26TH AVENUE
QUEENS, NEW YORK

DRAINAGE MAP

JUNE 2026

FIGURE 4

GIS FILE PATH: \\haleyaldrich.com\share\CP\Projects\0211417\GIS\212609_000_ASTORIA_COVE_BUILDING_3A3B_FWIA.aprx - USER: pdilillo - LAST SAVED: 6/3/2026 2:05 PM

APPENDIX A
Site Photographs

Photo 1: View of the southern Site area, facing RFK bridge to the north.

Photo 2: View of northern Site area, facing west.

Photo 3: View of southern Site area property line, facing north.

Photo 4: View of northern Site area, facing west.

Photo 5: View of eastern Site area, facing northwest.

Photo 6: View of central Site area, facing south.

***Photo 9*: *View of eastern Site boundary area, facing southwest*.**

Photo 10: View of east Site boundary area, facing northeast.

Photo 11: View of area bordering the Site area to the north, facing south.

Photo 12: View of Site cover, facing northwest.

Photo 13: View of southwest Site boundary area, facing southwest.

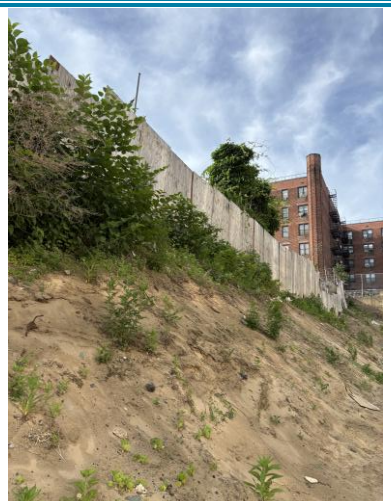


Photo 14: View of area bordering the Site boundary to the southeast, facing south.

Astoria Cove Offsite Land Cover
Queens, New York
File No. 0211417
Date Photographs Taken: 5/22/2026

Photo 1: Vegetated area south of Site, facing northeast.

Photo 2: Vegetation along Shore Blvd, facing southwest.

Photo 3: Astoria Park, facing northeast.

Photo 4: Astoria Park, facing northeast

Photo 5: Van Alst Playground, facing northeast.

Photo 6: Van Alst Playground, facing northeast.

Photo 7: Two Coves Community Garden, facing north.

Photo 8: Rip Rap along East River, facing north.

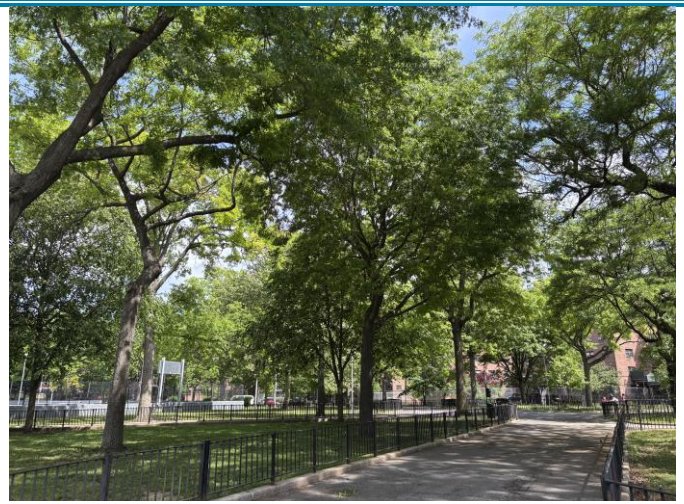


Photo 9: Vegetation within Astoria Houses complex, facing north.

Photo 10: Hallets Cove Playground, facing west.

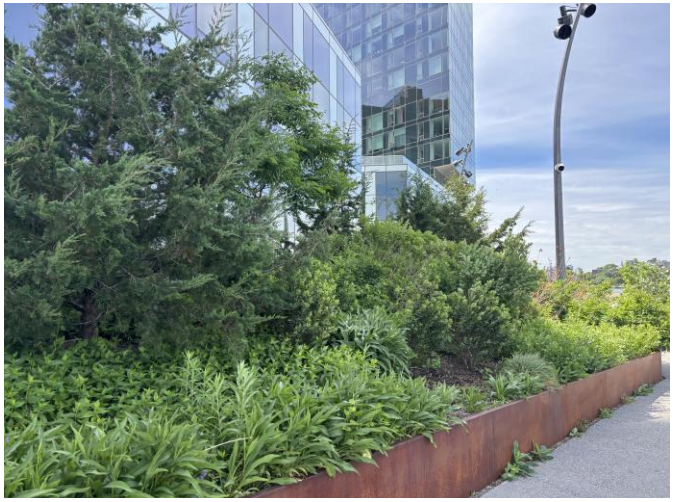


Photo 11: 20 Halletts Point, facing southeast.

Photo 12: Whitey Ford Park, facing northeast.

APPENDIX B
Correspondence

Simmel, Zachary

From: Kerrigan, Rebecca L (DEC) <rebecca.kerrigan@dec.ny.gov>
Sent: Tuesday, May 12, 2026 3:41 PM
To: Bellew, James
Cc: Simmel, Zachary; Bell, Suzanne; david.gardner
Subject: RE: Former Tilsdale Lumber and Coal Redevelopment Site RAWP C241295

External Sender: Use extra caution with links and actions.

Hi James,

Thank you, noted about Emily and Zach.

For BCP sites, the BCA application dictates the need for an FWIA, not Appendix 3C. As such, per this site's BCA, an FWIA Part 1 is required. Please ensure it includes all of the elements required in DER-10 Section 3.10.1.

The draft RIR and RAWP are currently under review for appropriateness of posting for public comment. We will continue our review while H&A drafts the FWIA and will post for public comment if they are deemed substantially complete.

Becky Kerrigan

From: Bellew, James <JBellew@haleyaldrich.com>
Sent: Monday, May 11, 2026 10:32 PM
To: Kerrigan, Rebecca L (DEC) <rebecca.kerrigan@dec.ny.gov>
Cc: Simmel, Zachary <ZSimmel@haleyaldrich.com>; Bell, Suzanne <SBell@HaleyAldrich.com>; Gardner, David R (DEC) <david.gardner@dec.ny.gov>
Subject: RE: Former Tilsdale Lumber and Coal Redevelopment Site RAWP C241295

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Becky,

Good evening, thank you for the heads up. As an FYI, Zach will be taking the role as Project Manager on the Site as Emily has moved on to other pastures. I went through the process of the Key Decision matrix and our results lead to not having to proceed further. This is predominantly based off that the entirety of the Site historically included paved surfaces and/or structures in the past and the foundations/pavement have remained in place. I included the aerials for the Site which show that the rear of the site was historically used for parking. While we have contamination on the Site it is localized to pockets. The CVOC's in soil were delineated which is the source of the soil vapor issues.

If this is acceptable, we can update the RIR with this. If Fish and Wildlife see it differently, it would be appreciated if we could have some feedback so that we can start the process.

On an aside, and I know that DEC is working as fast as they can with the significant workload there, is there a path that the FWIA process can run concurrently to a public comment, assuming that DEC deems the data sufficient for the conceptual site model and the remedial action about to be submitted to public comment? We ask predominantly

because the BCA holder is close to default on their loan obligations to the bank and the bank needs to understand the process to remediation otherwise they will lose funding for the Site.

Please let me know and thank you for all of your help with this Site.

-James

James M. Bellew
Principal

Haley & Aldrich
213 West 35th Street, 7th Floor
New York, NY 10001

T: (646) 277-5686
C: (347) 640-2759

www.haleyaldrich.com

From: Kerrigan, Rebecca L (DEC) <rebecca.kerrigan@dec.ny.gov>
Sent: Wednesday, May 6, 2026 10:03 AM
To: Butler, Emily <EButler@haleyaldrich.com>
Cc: Bellew, James <JBellew@haleyaldrich.com>; Simmel, Zachary <ZSimmel@haleyaldrich.com>; Bell, Suzanne <SBell@HaleyAldrich.com>; david.gardner <david.gardner@dec.ny.gov>
Subject: RE: Former Tilsdale Lumber and Coal Redevelopment Site RAWP C241295

External Sender: Use extra caution with links and actions.

Good morning Emily,

The RIR and RAWP review is underway with NYSDEC and NYSDOH. While review continues, I did want to give you a heads up that a Fish and Wildlife Resource Impact Analysis Part I is required to be submitted with the RIR. Per the BCA Application Section III, the site meets the requirements for the FWRIA.

FWRIA Part 1 Resource Characterization deliverables are defined in DER-10 Section 3.10.1, including, but not limited to: topographic and general cover type maps; a description of resources; and the identification of contaminant migration pathways and any fish and wildlife exposure pathways, among other relevant information.

Becky Kerrigan

From: Butler, Emily <EButler@haleyaldrich.com>
Sent: Tuesday, April 14, 2026 1:58 PM
To: Kerrigan, Rebecca L (DEC) <rebecca.kerrigan@dec.ny.gov>
Cc: Bellew, James <JBellew@haleyaldrich.com>; Simmel, Zachary <ZSimmel@haleyaldrich.com>; Bell, Suzanne <SBell@HaleyAldrich.com>
Subject: RE: Former Tilsdale Lumber and Coal Redevelopment Site RAWP C241295

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hi Becky,

I have re-uploaded the RIR to Aspera. Let me know if you have any issues.

Thanks,
Emily

Emily Butler
Project Manager, Geologist

Haley & Aldrich
213 West 35th Street, 7th Floor
New York, NY 10001

C: (646) 532-8478

www.haleyaldrich.com

From: Kerrigan, Rebecca L (DEC) <rebecca.kerrigan@dec.ny.gov>
Sent: Tuesday, April 14, 2026 10:48 AM
To: Butler, Emily <EButler@haleyaldrich.com>
Cc: Bellew, James <JBellew@haleyaldrich.com>; Simmel, Zachary <ZSimmel@haleyaldrich.com>; Bell, Suzanne <SBell@HaleyAldrich.com>
Subject: RE: Former Tilsdale Lumber and Coal Redevelopment Site RAWP C241295

External Sender: Use extra caution with links and actions.

Hi Emily,

I'm having an issue accessing the RIR sent March 27. It looks like the file got corrupted on my end, and now the link is expired. Can I ask you to re-upload it to Aspera?

Thank you,

BECKY KERRIGAN *(she/her)*
Assistant Engineer | Project Manager

New York State Department of Environmental Conservation
Division of Environmental Remediation | Bureau B | Section E
625 Broadway, Albany, NY 12233-4500
w: (518) 402-9690 | c: (518) 860-0040
rebecca.kerrigan@dec.ny.gov
dec.ny.gov | @NYSDEC on Social Media | Podcast

NYSDEC has a new File Transfer System. We no longer accept third-party links.
You can send me files here: https://mysend.ny.gov:443/nys/send/to/user/rebeccakerrigandecnygov

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From: Butler, Emily <EButler@haleyaldrich.com>
Sent: Friday, April 10, 2026 4:43 PM
To: Kerrigan, Rebecca L (DEC) <rebecca.kerrigan@dec.ny.gov>
Cc: Bellew, James <JBellew@haleyaldrich.com>; Simmel, Zachary <ZSimmel@haleyaldrich.com>; Bell, Suzanne

<SBell@HaleyAldrich.com>
Subject: RE: Former Tilsdale Lumber and Coal Redevelopment Site RAWP C241295

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hi Becky,

Try now.

Thanks,
Emily

Emily Butler
Project Manager, Geologist

Haley & Aldrich
213 West 35th Street, 7th Floor
New York, NY 10001

C: (646) 532-8478

www.haleyaldrich.com

From: Kerrigan, Rebecca L (DEC) <rebecca.kerrigan@dec.ny.gov>
Sent: Friday, April 10, 2026 4:11 PM
To: Butler, Emily <EButler@haleyaldrich.com>
Cc: Bellew, James <JBellew@haleyaldrich.com>; Simmel, Zachary <ZSimmel@haleyaldrich.com>; Bell, Suzanne <SBell@HaleyAldrich.com>
Subject: RE: Former Tilsdale Lumber and Coal Redevelopment Site RAWP C241295

External Sender: Use extra caution with links and actions.

Hi Emily,

I haven't received anything, can you try the link below again?

Thanks,

BECKY KERRIGAN *(she/her)*
Assistant Engineer | Project Manager

New York State Department of Environmental Conservation
Division of Environmental Remediation | Bureau B | Section E
625 Broadway, Albany, NY 12233-4500
w: (518) 402-9690 | c: (518) 860-0040
rebecca.kerrigan@dec.ny.gov
dec.ny.gov | @NYSDEC on Social Media | Podcast

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You can send me files here: https://mysend.ny.gov:443/nys/send/to/user/rebeccakerrigandecnygov

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From: Butler, Emily <EButler@haleyaldrich.com>
Sent: Friday, April 10, 2026 3:25 PM
To: Kerrigan, Rebecca L (DEC) <rebecca.kerrigan@dec.ny.gov>
Cc: Bellew, James <JBellew@haleyaldrich.com>; Simmel, Zachary <ZSimmel@haleyaldrich.com>; Bell, Suzanne <SBell@HaleyAldrich.com>
Subject: Former Tilsdale Lumber and Coal Redevelopment Site RAWP C241295

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hi Becky,

I have uploaded the Remedial Action Work Plan for the Former Tilsdale Lumber and Coal Redevelopment Site (C241295) using your large file transfer link. Please let me know if you have any questions.

Thanks,
Emily

Emily Butler
Project Manager, Geologist

Haley & Aldrich
213 West 35th Street, 7th Floor
New York, NY 10001

C: (646) 532-8478

www.haleyaldrich.com

APPENDIX C
Sensitive Species Reports

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

New York and Queens counties, New York

Local office

Long Island Ecological Services Field Office

(631) 286-0485
(631) 286-4003

340 Smith Road
Shirley, NY 11967-2258

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Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Birds

NAME	STATUS
Piping Plover Charadrius melodus There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/6039	Threatened
Roseate Tern Sterna dougallii dougallii No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/2083	Endangered
Rufa Red Knot Calidris canutus rufa Wherever found There is **proposed** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/1864	Threatened

Insects

NAME	STATUS
Monarch Butterfly Danaus plexippus Wherever found There is **proposed** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/9743	Proposed Threatened

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Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

Bald & Golden Eagles

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act [2] and the Migratory Bird Treaty Act (MBTA) [1]. Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their habitats, should follow appropriate regulations and consider implementing appropriate avoidance and minimization measures, as described in the various links on this page.

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide avoidance and minimization measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

There are Bald Eagles and/or Golden Eagles in your project area.

Measures for Proactively Minimizing Eagle Impacts
For information on how to best avoid and minimize disturbance to nesting bald eagles, please review the National Bald Eagle Management Guidelines. You may employ the timing and activity-specific distance recommendations in this document when designing your project/activity to avoid and minimize eagle impacts. For bald eagle information specific to Alaska, please refer to Bald Eagle Nesting and Sensitivity to Human Activity.

The FWS does not currently have guidelines for avoiding and minimizing disturbance to nesting Golden Eagles. For site-specific recommendations regarding nesting Golden Eagles, please consult with the appropriate Regional Migratory Bird Office or Ecological Services Field Office.

If disturbance or take of eagles cannot be avoided, an incidental take permit may be available to authorize any take that results from, but is not the purpose of, an otherwise lawful activity. For assistance making this determination for Bald Eagles, visit the Do I Need A Permit Tool. For assistance making this determination for golden eagles, please consult with the appropriate Regional Migratory Bird Office or Ecological Services Field Office.

Ensure Your Eagle List is Accurate and Complete
If your project area is in a poorly surveyed area in IPaC, your list may not be complete and you may need to rely on other resources to determine what species may be present (e.g. your local FWS field office, state surveys, your own surveys). Please review the Supplemental Information on Migratory Birds and Eagles, to help you properly interpret the report for your specified location, including determining if there is sufficient data to ensure your list is accurate.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to bald or golden eagles on your list, see the "Probability of Presence Summary" below to see when these bald or golden eagles are most likely to be present and breeding in your project area.

Review the FAQs
The FAQs below provide important additional information and resources.

NAME	BREEDING SEASON
Bald Eagle Haliaeetus leucocephalus This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Oct 15 to Aug 31

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "Supplemental Information on Migratory Birds and Eagles", specifically the FAQ section titled "Proper Interpretation and Use of Your

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Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

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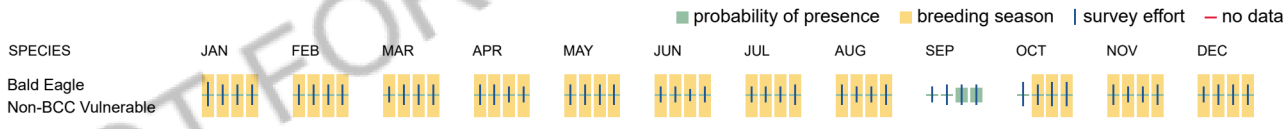

Bald & Golden Eagles FAQs

What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are an eagle (Bald and Golden Eagle Protection Act requirements may apply).

Proper interpretation and use of your eagle report
On the graphs provided, please look carefully at the survey effort (indicated by the black vertical line) and for the existence of the "no data" indicator (a red horizontal line). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort line or no data line (red horizontal) means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list and associated information help you know what to look for to confirm presence and helps guide you in knowing when to implement avoidance and minimization measures to eliminate or reduce potential impacts from your project activities or get the appropriate permits should presence be confirmed.

How do I know if eagles are breeding, wintering, or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating, or resident), you may query your location using the RAIL Tool and view the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If an eagle on your IPaC migratory bird species list has a breeding season associated with it (indicated by yellow vertical bars on the phenology graph in your “IPaC PROBABILITY OF PRESENCE SUMMARY” at the top of your results list), there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

Interpreting the Probability of Presence Graphs

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. A taller bar indicates a higher probability of species presence. The survey effort can be used to establish a level of confidence in the presence score.

How is the probability of presence score calculated? The calculation is done in three steps:
The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.

The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

Breeding Season ()
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort ()
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data ()
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

Migratory birds

The Migratory Bird Treaty Act (MBTA) [1] prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior authorization by the Department of Interior U.S. Fish and Wildlife Service (Service).

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide avoidance and minimization measures for birds
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

Measures for Proactively Minimizing Migratory Bird Impacts

Your IPaC Migratory Bird list showcases birds of concern, including Birds of Conservation Concern (BCC), in your project location. This is not a comprehensive list of all birds found in your project area. However, you can help proactively minimize significant impacts to all birds at your project location by implementing the measures in the Nationwide avoidance and minimization measures for birds document, and any other project-specific avoidance and minimization measures suggested at the link Measures for avoiding and minimizing impacts to birds for the birds of concern on your list below.

Ensure Your Migratory Bird List is Accurate and Complete

If your project area is in a poorly surveyed area, your list may not be complete and you may need to rely on other resources to determine what species may be present (e.g. your local FWS field office, state surveys, your own surveys). Please review the Supplemental Information on Migratory Birds and Eagles document, to help you properly interpret the report for your specified location, including determining if there is sufficient data to ensure your list is accurate.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the "Probability of Presence Summary" below to see when these birds are most likely to be present and breeding in your project area.

Review the FAQs
The FAQs below provide important additional information and resources.

NAME	BREEDING SEASON
American Oystercatcher Haematopus palliatus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/8935	Breeds Apr 15 to Aug 31

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Bald Eagle Haliaeetus leucocephalus — Breeds Oct 15 to Aug 31

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.
https://ecos.fws.gov/ecp/species/1626

Black Skimmer Rynchops niger — Breeds May 20 to Sep 15

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/5234

Black-billed Cuckoo Coccyzus erythropthalmus — Breeds May 15 to Oct 10

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9399

Blue-winged Warbler Vermivora cyanoptera — Breeds May 1 to Jun 30

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Bobolink Dolichonyx oryzivorus — Breeds May 20 to Jul 31

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Canada Warbler Cardellina canadensis — Breeds May 20 to Aug 10

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Chimney Swift Chaetura pelagica — Breeds Mar 15 to Aug 25

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Eastern Whip-poor-will Antrostomus vociferus — Breeds May 1 to Aug 20

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Grasshopper Sparrow Ammodramus savannarum perpallidus — Breeds Jun 1 to Aug 20

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA
https://ecos.fws.gov/ecp/species/8329

Least Tern Sternula antillarum antillarum — Breeds Apr 25 to Sep 5

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Lesser Yellowlegs Tringa flavipes — Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9679

Pectoral Sandpiper Calidris melanotos — Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Prairie Warbler Setophaga discolor — Breeds May 1 to Jul 31

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Purple Sandpiper Calidris maritima — Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Red-headed Woodpecker Melanerpes erythrocephalus — Breeds May 10 to Sep 10

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

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Ruddy Turnstone Arenaria interpres morinella This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds elsewhere
Rusty Blackbird Euphagus carolinus This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds elsewhere
Saltmarsh Sparrow Ammospiza caudacuta This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9719	Breeds May 15 to Sep 5
Scarlet Tanager Piranga olivacea This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds May 10 to Aug 10
Semipalmated Sandpiper Calidris pusilla This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds elsewhere
Short-billed Dowitcher Limnodromus griseus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9480	Breeds elsewhere
Willet Tringa semipalmata This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Apr 20 to Aug 5
Wood Thrush Hylocichla mustelina This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Aug 31

NOT FOR CONSULTATION

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "Supplemental Information on Migratory Birds and Eagles", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

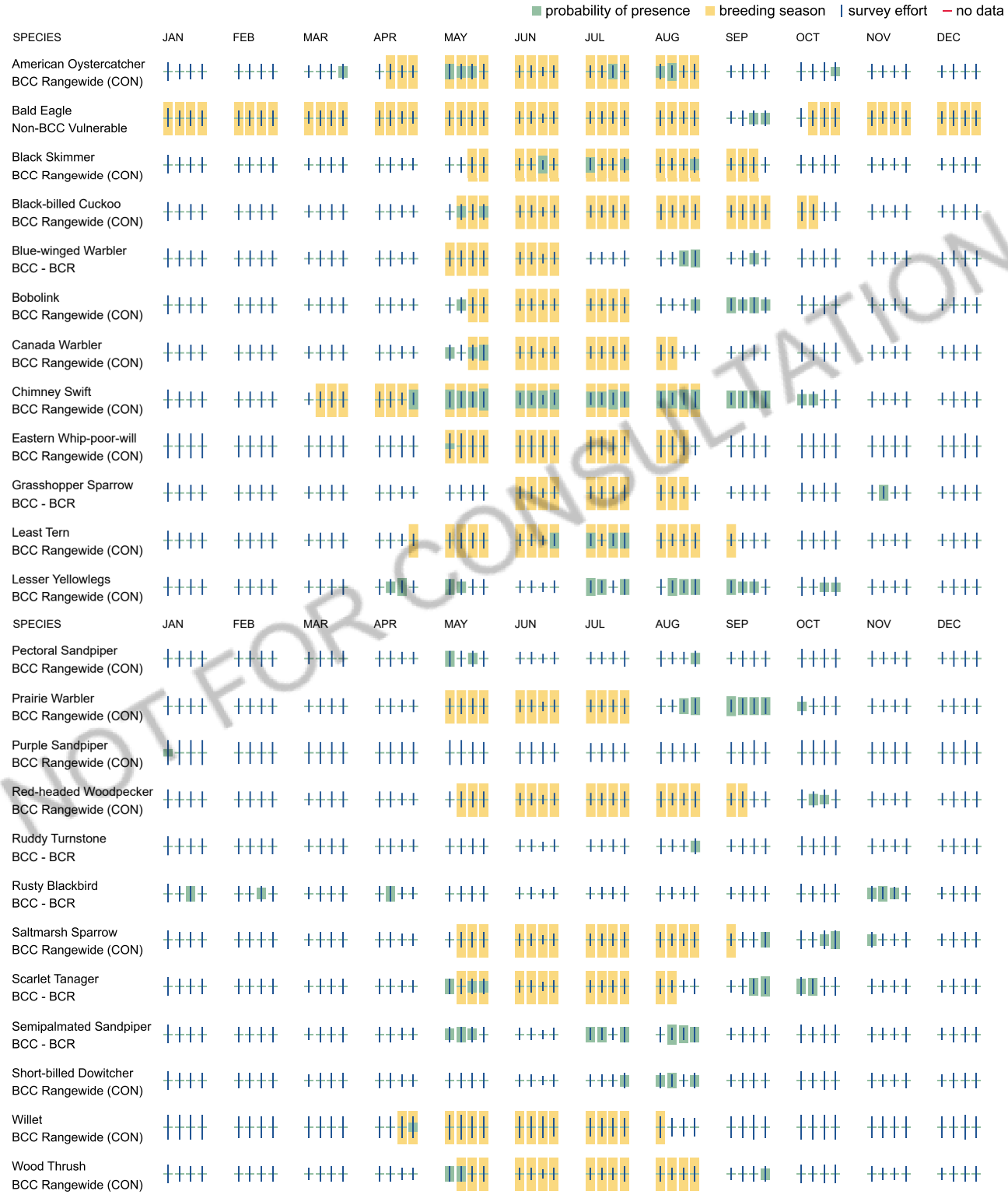
Breeding Season (■)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



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Migratory Bird FAQs

Tell me more about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Avoidance & Minimization Measures for Birds describes measures that can help avoid and minimize impacts to all birds at any location year-round. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is one of the most effective ways to minimize impacts. To see when birds are most likely to occur and breed in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location, such as those listed under the Endangered Species Act or the Bald and Golden Eagle Protection Act and those species marked as "Vulnerable". See the FAQ "What are the levels of concern for migratory birds?" for more information on the levels of concern covered in the IPaC migratory bird species list.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) with which your project intersects. These species have been identified as warranting special attention because they are BCC species in that area, an eagle (Bald and Golden Eagle Protection Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, and to verify survey effort when no results present, please visit the Rapid Avian Information Locator (RAIL) Tool.

Why are subspecies showing up on my list?

Subspecies profiles are included on the list of species present in your project area because observations in the AKN for **the species** are being detected. If the species are present, that means that the subspecies may also be present. If a subspecies shows up on your list, you may need to rely on other resources to determine if that subspecies may be present (e.g. your local FWS field office, state surveys, your own surveys).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go to the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating, or resident), you may query your location using the RAIL Tool and view the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your IPaC migratory bird species list has a breeding season associated with it (indicated by yellow vertical bars on the phenology graph in your "IPaC PROBABILITY OF PRESENCE SUMMARY" at the top of your results list), there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Bald and Golden Eagle Protection Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially BCC species. For more information on avoidance and minimization measures you can implement to help avoid and minimize migratory bird impacts, please see the FAQ "Tell me more about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds".

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Proper interpretation and use of your migratory bird report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please look carefully at the survey effort (indicated by the black vertical line) and for the existence of the "no data" indicator (a red horizontal line). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list does not represent all birds present in your project area. It is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be

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present). The list and associated information help you know what to look for to confirm presence and helps guide implementation of avoidance and minimization measures to eliminate or reduce potential impacts from your project activities, should presence be confirmed. To learn more about avoidance and minimization measures, visit the FAQ "Tell me about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds".

Interpreting the Probability of Presence Graphs
Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. A taller bar indicates a higher probability of species presence. The survey effort can be used to establish a level of confidence in the presence score.

How is the probability of presence score calculated? The calculation is done in three steps:
The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.

The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

Breeding Season ()
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort ()
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data ()
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

This location overlaps the following wetlands:

ESTUARINE AND MARINE
DEEPWATER
E1UBL

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A full description for each wetland code can be found at the National Wetlands Inventory website

NOTE: This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

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Drawn Action Area and Overlapping Section 7 Consultation Areas

Area of Interest (AOI) Information

Length : 1,709.47 ft

Jun 5 2026 13:03:32 Eastern Daylight Time

Summary

Name	Count	Area(ft²)	Length(ft)
Atlantic Sturgeon	2	N/A	N/A
Shortnose Sturgeon	1	N/A	N/A
Atlantic Salmon	0	N/A	N/A
Sea Turtles	4	N/A	N/A
Atlantic Large Whales	0	N/A	N/A
In or Near Critical Habitat	0	N/A	N/A

Atlantic Sturgeon

#	Feature ID	Species	Life Stage	Behavior	Zone
1	ANS_EAS_SUB_MAF	Atlantic sturgeon	Subadult	Migrating & Foraging	East River
2	ANS_EAS_ADU_MAF	Atlantic sturgeon	Adult	Migrating & Foraging	East River

#	From	Until	From (2)	Until (2)	Area(ft²)
1	01/01	12/31	Sturgeon	Acipenser oxyrinchus oxyrinchus	N/A
2	01/01	12/31	Sturgeon	Acipenser oxyrinchus oxyrinchus	N/A

Shortnose Sturgeon

#	Feature ID	Species	Life Stage	Behavior	Zone
1	SNS_EAS_ADU_MAF	Shortnose sturgeon	Adult	Migrating & Foraging	East River

#	From	Until	From (2)	Until (2)	Area(ft²)
1	04/01	11/30	N/A	N/A	N/A

Sea Turtles

#	Feature ID	Species	Life Stage	Behavior	Zone
1	GRN_STS_AJV_MAF	Green sea turtle	Adults and juveniles	Migrating & Foraging	Massachusetts (S of Cape Cod) through Virginia
2	KMP_STS_AJV_MAF	Kemp's ridley sea turtle	Adults and juveniles	Migrating & Foraging	Massachusetts (S of Cape Cod) through Virginia
3	LTR_STS_AJV_MAF	Leatherback sea turtle	Adults and juveniles	Migrating & Foraging	Massachusetts (S of Cape Cod) through Virginia
4	LOG_STS_AJV_MAF	Loggerhead sea turtle	Adults and juveniles	Migrating & Foraging	Massachusetts (S of Cape Cod) through Virginia

#	From	Until	From (2)	Until (2)	Area(ft²)
1	5/1	11/30	*No Data*	*No Data*	N/A
2	5/1	11/30	*No Data*	*No Data*	N/A
3	5/1	11/30	*No Data*	*No Data*	N/A
4	5/1	11/30	*No Data*	*No Data*	N/A

DISCLAIMER: Use of this App does NOT replace the Endangered Species Act (ESA) Section 7 consultation process; it is a first step in determining if a proposed Federal action overlaps with listed species or critical habitat presence. Because the data provided through this App are updated regularly, reporting results must include the date they were generated. The report

outputs (map/tables) depend on the options picked by the user, including the shape and size of the action area drawn, the layers marked as visible or selectable, and the buffer distance specified when using the "Draw your Action Area" function. Area calculations represent the size of overlap between the user-drawn Area of Interest (with buffer) and the specified S7 Consultation Area. Summary table areas represent the sum of these overlapping areas for each species group.

EFH Mapper Report

EFH Data Notice

Essential Fish Habitat (EFH) is defined by textual descriptions contained in the fishery management plans developed by the regional fishery management councils. In most cases mapping data can not fully represent the complexity of the habitats that make up EFH. This report should be used for general interest queries only and should not be interpreted as a definitive evaluation of EFH at this location. A location-specific evaluation of EFH for any official purposes must be performed by a regional expert. Please refer to the following links for the appropriate regional resources.

Greater Atlantic Regional Office
Atlantic Highly Migratory Species Management Division

Query Results

Degrees, Minutes, Seconds: Latitude = 40º 46' 33" N, Longitude = 74º 4' 9" W
Decimal Degrees: Latitude = 40.776, Longitude = -73.931

The query location intersects with spatial data representing EFH and/or HAPCs for the following species/management units.

***** W A R N I N G *****

Please note under "Life Stage(s) Found at Location" the category "ALL" indicates that all life stages of that species share the same map and are designated at the queried location.

EFH

Link	Data Caveats	Species/Management Unit	Lifestage(s) Found at Location	Management Council	FMP
		Atlantic Butterfish	Larvae	Mid-Atlantic	Atlantic Mackerel, Squid,& Butterfish Amendment 11
		Atlantic Herring	Adult, Juvenile, Larvae	New England	Amendment 3 to the Atlantic Herring FMP
		Bluefish	Adult, Juvenile	Mid-Atlantic	Bluefish
		Clearnose Skate	Adult, Juvenile	New England	Amendment 2 to the Northeast Skate Complex FMP
		Little Skate	Adult, Juvenile	New England	Amendment 2 to the Northeast Skate Complex FMP
		Longfin Inshore Squid	Eggs	Mid-Atlantic	Atlantic Mackerel, Squid,& Butterfish Amendment 11

Link	Data Caveats	Species/Management Unit	Lifestage(s) Found at Location	Management Council	FMP
		Red Hake	Adult, Eggs/Larvae/Juvenile	New England	Amendment 14 to the Northeast Multispecies FMP
		Summer Flounder	Adult, Juvenile, Larvae	Mid-Atlantic	Summer Flounder, Scup, Black Sea Bass
		Windowpane Flounder	Adult, Eggs, Juvenile, Larvae	New England	Amendment 14 to the Northeast Multispecies FMP
		Winter Flounder	Eggs, Juvenile, Larvae/Adult	New England	Amendment 14 to the Northeast Multispecies FMP
		Winter Skate	Adult, Juvenile	New England	Amendment 2 to the Northeast Skate Complex FMP

Freshwater Pacific Salmon EFH

No freshwater Pacific Salmon Essential Fish Habitat (EFH) were identified at the report location.

Atlantic Salmon

No Atlantic Salmon were identified at the report location.

HAPCs

Link	Data Caveats	HAPC Name	Management Council
		Summer Flounder SAV	Mid-Atlantic Fishery Management Council

EFH Areas Protected from Fishing

No EFH Areas Protected from Fishing (EFHA) were identified at the report location.

Spatial data does not currently exist for all the managed species in this area. The following is a list of species or management units for which there is no spatial data.
****For links to all EFH text descriptions see the complete data inventory: open data inventory -->**

All EFH species have been mapped for the Greater Atlantic region,
Atlantic Highly Migratory Species EFH,
Bigeye Sand Tiger Shark,
Bigeye Sixgill Shark,
Caribbean Sharpnose Shark,
Galapagos Shark,
Narrowtooth Shark,
Sevengill Shark,
Sixgill Shark,
Smooth Hammerhead Shark,
Smalltail Shark

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Fish and Wildlife, New York Heritage Program

625 Broadway, Fifth Floor, Albany, NY 12233-4757
Phone: (518) 402-8935 | Fax: (518) 402-8925
www.dec.ny.gov

05/26/2026

The attached report from the Environmental Resource Mapper includes information from the New York Natural Heritage Program database with respect to the location indicated on the map below. This letter, together with the attached report from the Environmental Resource Mapper, is equivalent to, and carries the same validity, as a letter from the New York Natural Heritage Program, including for projects where a Natural Heritage letter is required.

If your location of interest does not fall within an area covered by the Rare Plants and Rare Animals layer or in the Significant Natural Communities layer, then New York Natural Heritage has no records to report in the vicinity of your project site. Submitting a project screening request to NY Natural Heritage is not necessary.

If the attached report lists that your location of interest is in the vicinity of state-listed animals, including state-listed bats, please consult the **EAF Mapper** to obtain a list of the species involved. (You do not have to be filling out an Environmental Assessment Form in order to use the EAF Mapper). Then consult the appropriate **NYSDEC Regional Office** for information on any project requirements or permit conditions.

If the attached report lists unlisted animals, rare plants, or significant natural communities, and if you would like more information on these, please submit a project screening request to **New York Natural Heritage**. For more information, please see the DEC webpage **Request Natural Heritage Information for Project Screening**.

The absence of data does not necessarily mean that rare or state-listed species, significant natural communities, or other significant habitats do not exist on or adjacent to the proposed site. Rather, NYNHP files currently do not contain information that indicates their presence. For most sites, comprehensive field surveys have not been conducted. NYNHP cannot provide a definitive statement on the presence or absence of all rare or state-listed species or significant natural communities. Depending on the nature of the project and the conditions at the project site, further information from on-site surveys or other resources may be required to fully assess impacts on biological resources from a proposed project.

This response applies only to known occurrences of rare or state-listed animals and plants, significant natural communities, and other significant habitats maintained in the NYNHP database.

New York Natural Heritage Program

https://www.nynhp.org/.

Environmental Resource Mapper

The coordinates of the point you clicked on are:

UTM 18	**Easting:**	590266.2533959473	**Northing:**	4514450.517850044
Longitude/Latitude	**Longitude:**	-73.93032169342095	**Latitude:**	40.776087092550334

The approximate address of the point you clicked on is:
2518 9th St, Astoria, New York, 11102

County: Queens
City: New York
USGS Quad: CENTRAL PARK, NY-NJ

Rare Plants and Rare Animals

This location is in the vicinity of Leatherback – Listed as Endangered – Contact NYSDEC Regional Office

This location is in the vicinity of Animals Listed as Endangered or Threatened - Contact NYSDEC Regional Office

Base Flood Elevation Plus 72/75 Inches Sea-level Rise

This area is projected to be inundated during a 100-year flood with 72/75 inches of sea-level rise.

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.

Print Preview

Short Environmental Assessment Form
Part 1 - Project Information

Instructions for Completing

Part 1 – Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

Part 1 – Project and Sponsor Information		
Name of Action or Project:		
Project Location (describe, and attach a location map):		
Brief Description of Proposed Action:		
Name of Applicant or Sponsor:	Telephone: E-Mail:	
Address:		
City/PO: q	State:	Zip Code:

	NO	YES
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.	☐	☐
2. Does the proposed action require a permit, approval or funding from any other government Agency? If Yes, list agency(s) name and permit or approval:	NO ☐	YES ☐

3. a. Total acreage of the site of the proposed action? _____ acres
   b. Total acreage to be physically disturbed? _____ acres
   c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? _____ acres

4. Check all land uses that occur on, are adjoining or near the proposed action:

5. ☐ Urban ☐ Rural (non-agriculture) ☐ Industrial ☐ Commercial ☐ Residential (suburban)
   ☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other(Specify):
   ☐ Parkland

	NO	YES	N/A
5. Is the proposed action,			
a. A permitted use under the zoning regulations?	☐	☐	☐
b. Consistent with the adopted comprehensive plan?	☐	☐	☐
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?		NO ☐	YES ☐
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area? If Yes, identify: _____		NO ☑	YES ☐
8. a. Will the proposed action result in a substantial increase in traffic above present levels?		NO ☐	YES ☐
b. Are public transportation services available at or near the site of the proposed action?		☐	☐
c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action?		☐	☐
9. Does the proposed action meet or exceed the state energy code requirements? If the proposed action will exceed requirements, describe design features and technologies: _____ _____		NO ☐	YES ☐
10. Will the proposed action connect to an existing public/private water supply? If No, describe method for providing potable water: _____ _____		NO ☐	YES ☐
11. Will the proposed action connect to existing wastewater utilities? If No, describe method for providing wastewater treatment: _____ _____		NO ☐	YES ☐
12. a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places?		NO ☑	YES ☐
b. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?		☐	☑
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?		NO ☐	YES ☑
b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody?		☐	☐
If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____ _____ _____			

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:

☐ Shoreline ☐ Forest ☐ Agricultural/grasslands ☐ Early mid-successional

☐ Wetland ☐ Urban ☐ Suburban

	NO	YES
15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered? Peregrine Falcon, Leatherback	☐	☑
16. Is the project site located in the 100-year flood plan?	☐	☑
17. Will the proposed action create storm water discharge, either from point or non-point sources?	☐	☐
If Yes,		
a. Will storm water discharges flow to adjacent properties?	☐	☐
b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)?	☐	☐
If Yes, briefly describe: _____ _____		
18. Does the proposed action include construction or other activities that would result in the impoundment of water or other liquids (e.g., retention pond, waste lagoon, dam)? If Yes, explain the purpose and size of the impoundment: _____ _____	☐	☐
~~1~~9. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility? If Yes, describe: _____ _____	☐	☐
20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste? If Yes, describe: _____ _____	☐	☑

I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

Applicant/sponsor/name: _____ Date: _____

Signature: _____ Title: _____

PRINT FORM

EAF Mapper Summary Report

Tuesday, May 26, 2026 10:09 AM

Disclaimer: The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources to confirm data provided by the Mapper or to obtain data not provided by the Mapper.

Part 1 / Question 7 [Critical Environmental Area]	No
Part 1 / Question 12a [National or State Register of Historic Places or State Eligible Sites]	No
Part 1 / Question 12b [Archeological Sites]	Yes
Part 1 / Question 13a [Wetlands or Other Regulated Waterbodies]	Yes - Digital mapping information on local, New York State, and federal wetlands and waterbodies is known to be incomplete. Refer to the EAF Workbook.
Part 1 / Question 15 [Threatened or Endangered Animal]	Yes
Part 1 / Question 15 [Threatened or Endangered Animal - Name]	Peregrine Falcon, Leatherback
Part 1 / Question 16 [100 Year Flood Plain]	Yes
Part 1 / Question 20 [Remediation Site]	Yes

APPENDIX D
Qualifications

SUZANNE BELL, PE

Program Manager, Environmental Engineer

EDUCATION

BS, Biosystems Engineering, University of Arizona

PROFESSIONAL REGISTRATIONS

AZ: Environmental Engineer (Reg. No. 61995)
NY: Professional Engineer (Reg No. 106301)

PROFESSIONAL COMMITTEES

American Council of Engineering Companies of New York – New York State Department of Environmental Conservation Committee Member – 2024-2025

SPECIAL STUDIES AND COURSES

40-Hour OSHA Hazardous Waste and Operations Emergency Response Training (29 CFR 1910.120 and 40 CFR 265.16)
8-Hour HAZWOPER Refresher Course

Suzanne is a senior project manager with over 17 years of experience in the environmental consulting industry. She has worked on soil and groundwater environmental investigations, remediation projects, and prepared reports for private, industrial, and government clients. Her technical experience includes remediation systems; soil and groundwater feasibility studies; Phase I site investigations; environmental file review and historical research; stormwater assessments and SWPPP preparation; reclamation planning for the sand and gravel mining industry; air permitting; and data interpretation.

In New York, Suzanne has experience as an Engineer of Record in completing site closure documentation including Remedial Closure Reports reviewed by the Office of Environmental Remediation as well as Final Engineering Reports and Site Management Plans reviewed by the New York State Department of Environmental Conservation.

Suzanne has managed the investigation, remedial design, remediation and closeout of sites in the Brownfield Cleanup Program and petroleum spill case sites. Her background also includes developing and complying with approved site management plans overseeing the operation and maintenance of on-site engineering controls, such as soil vapor extraction systems, sub-slab depressurization systems, product recovery systems, and ensuring the protection of human health and the environment.

RELEVANT PROJECT EXPERIENCE

Bedford Beverly Redevelopment Site, Brooklyn, New York. Suzanne served as engineer of record for execution of Remedial Action Work Plans for an approximately 5.31-acre non-contiguous property located in the Flatbush neighborhood in the borough of Brooklyn, New York under the New York State Brownfield Cleanup Program (NYSBCP). The remedy included removal of thirteen undocumented underground storage tanks (USTs), removal of over 115,000 tons of non-hazardous and hazardous soil, hotspot excavations, injections of zerovalent iron to treat tetrachlorethylene in groundwater, injection of alkaline-activated persulfate to treat petroleum-based volatile organic compounds in groundwater and establishing a Site Management Plan (SMP) for Institutional and Engineering Controls. The site is being redeveloped from a vacant auto service center, vast open air parking lots, and a vacant commercial building into a vibrant community development. In addition to new residential housing, which includes affordable units, and commercial spaces, the project has preserved the highly recognizable Sears Roebuck & Company Department Store. This includes maintaining its historical architecture, updating the building to meet modern standards, introducing commercial spaces that were previously underutilizing, and maintaining the character of the neighborhood.

Development, EPA Site RCRA-02-2009-7306, NYSDEC Site 243016, Former Port Mobil Terminal, Staten Island, New York. Engineer and project manager responsible for the preparation of the feasibility study, preparation of the Interim Remedial Report, completion of the Interim Remedial Measure, completion of the remedial investigation stages, continued execution of the Monitoring and Natural Attenuation Program, preparation of the Remedial Action Work Plan/Remedial Designs, and RCRA Closure procedures for the Port Mobil Terminal Site under an Environmental Protection Agency and New York State DEC Consent Order. The Site has a footprint of approximately 240 acres with a planned development for commercial/industrial uses.

Rogers Snyder Brownfield Site, 858 Rogers Avenue and 2605 Snyder Avenue, Brooklyn, New York. Suzanne served as engineer of record for execution of Remedial Action Work Plan at the Rogers Snyder redevelopment project under the NYSBCP. Responsible for remedial oversight of excavation and removal of non-hazardous and hazardous soil, endpoint sample collection, air monitoring, communication with soil brokerage firm and environmental laboratory, preparation of the FER.

Former Garone Bros Auto Service Center Site, 352-362 Shepherd Avenue, Brooklyn, New York. Suzanne served as engineer of record for execution of Remedial Action Work Plan at the 352-362 Shepherd redevelopment project under the NYSBCP. Responsible for remedial oversight of excavation and removal of non-hazardous soil, removal of USTs, endpoint sample collection, air monitoring, communication with soil brokerage firm and environmental laboratory, preparation of the FER.

Former Fielder Waterproofing & Masonry Site, 91 Bruckner Boulevard, Bronx, New York. Suzanne served as engineer of record for execution of Remedial Action Work Plan at the 91 Bruckner redevelopment project under the NYSBCP. Responsible for remedial oversight of excavation and removal of non-hazardous and hazardous soil, removal of USTs, endpoint sample collection, air monitoring, communication with soil brokerage firm and environmental laboratory, preparation of the FER and SMP.

828 Metropolitan Avenue Site, 808-834 Metropolitan Avenue, Brooklyn, New York. Suzanne served as project manager and engineer of record for execution of Remedial Action Work Plan at the 828 Metropolitan Avenue redevelopment project under the NYSBCP. Responsible for remedial oversight of excavation and removal of non-hazardous soil, removal of USTs, endpoint sample collection, air monitoring, communication with soil brokerage firm and environmental laboratory, preparation of Daily Field Reports (DFRs) and the Final Engineering Report (FER).

Waterfront Property Management, 89-91 Gerry Street and 93 Gerry Street, Brooklyn, New York. Suzanne served as project manager for execution of Remedial Action Work Plans at the former Just4Wheels Site and Just4Wheels Site 2 under the New York State Brownfield Cleanup Program (NYSBCP). Responsible for remedial oversight of excavation and removal of non-hazardous and hazardous soil, endpoint sample collection, removal of USTs, air monitoring, dewatering system installation support, communication with soil brokerage firm and environmental laboratory, preparation of DFRs and the FER.

Multiple Clients, Remedial Investigation Work Plans and BCP Applications, New York City, New York. As project manager and engineer, Suzanne has prepared NYSBCP Applications and Remedial Investigation Work Plans for the New York State Department of Environmental Conservation (NYSDEC) for sites within the New York City boroughs.

Multiple Clients, Remedial Action Work Plans, New York City, New York. As project manager and engineer of record, Suzanne has prepared Remedial Action Work Plans for the NYSDEC for sites within the New York City boroughs.

Excavation Oversight and CAMP Monitoring, Various Sites, New York City, New York. Suzanne has served as project manager for projects under the New York City Office of Environmental Remediation (NYCOER) program and NYSBCP. Her responsibilities included managing excavation oversight, air monitoring, and logging trucks for off-site disposal.

Aerospace Manufacturing Facility, Feasibility Study and Remedial Action Plan, Chula Vista, CA. Suzanne co-authored feasibility studies for soil and ground water impacted by chlorinated solvents, metals, and PCBs. She screened ex-situ and in-situ remedial alternatives for effectiveness, implementability, and protectiveness of human health. She also assessed alternative cleanup levels for technical and economic feasibility of achieving background concentrations in accordance with State Water Resources Control Board Resolution 92-49. Additionally, she evaluated groundwater remedial alternatives, including bioremediation, monitored natural attenuation (MNA), pump and treat, chemical oxidation, chemical reduction, and engineered and institutional controls. Lastly, she prepared engineering cost estimates and conceptual designs. Assisted with the preparation of remedial action plans: a bioremediation remedy and MNA program for groundwater, and excavation of contaminated soil.

Aerospace Manufacturing Facility, Groundwater Remediation and Bioremediation Pilot Test, Riverside, CA. Suzanne assisted with data analysis and reporting for the bioremediation pilot test study for groundwater impacted by chlorinated solvents, hexavalent chromium, and 1,4-dioxane. She evaluated site data for trends indicative of MNA using statistical analysis.

Goodyear Tire & Rubber Company, Phoenix Goodyear Airport South Superfund Site, Goodyear, Arizona. Suzanne prepared reports and performed data analysis related to the groundwater monitoring program and operation and maintenance of groundwater treatment systems. Currently, two groundwater extraction and remediation systems are capable of treating more than 1 million gallons per day of groundwater contaminated with trichloroethylene. The upper groundwater zone is treated with an air stripper, while the lower zone is treated with granulated activated carbon. Treated groundwater is reinjected into their respective zones.

Soil and Groundwater Remediation Systems, Arizona. Suzanne **p**erformed operation, maintenance, and sampling activities for two soil vapor extraction systems to remove tetrachloroethylene from subsurface soils at two different dry-cleaning facilities. She prepared soil vapor extraction GAC system test reports in accordance with Maricopa County Air Quality Department Permits.

ASTM Phase I Environmental Site Assessments, Arizona. Suzanne assisted with ASTM Phase I ESAs at various industrial facilities in central and southern Arizona. She evaluated site conditions and regulatory implications as they related to the owner's or potential buyer's property development plans.

Phoenix-Goodyear Airport-North Superfund Site, Focused Feasibility Study, Goodyear, Arizona. Suzanne was a member of team that prepared a source area remediation focused feasibility study report. She evaluated several technologies and alternatives to treat groundwater contaminated with trichloroethylene (TCE) and perchlorate. She analyzed remedial alternatives, including in-well air stripping, a hydraulic barrier, nano- and macro-scale zero-valent iron, anaerobic reductive dechlorination, in-situ chemical oxidation (permanganate), and electrical resistive heating. She prepared cost estimates, conceptual designs, remediation technology summaries, and sustainability evaluation of the alternatives.

Enhanced In-Situ Bioremediation (EISB) and Chemical Reduction Using a Nanoscale, Zero-Valent Metallic Alloy to Treat Co-disposed Chloroethanes and Chloroethenes in Groundwater, Manufacturing Facility, Canton, MA. Suzanne performed data analysis and prepared status reports on effectiveness of EISB in treating chlorinated solvents in shallow groundwater. She reported on the performance monitoring results for the permeable reactive barrier in deep zone groundwater.

Hayden Facilities RI/FS, ASARCO LLC, Hayden, Arizona. Suzanne served as Quality Assurance Officer for the air monitoring program at a copper smelting facility. She developed site-specific data validation procedures according EPA guidelines for several analytical methods.

Market Evaluation for Nanoscale Zero-Valent Iron, Stamford, Connecticut. Suzanne used EPA CERCLIS Public Access Database and select State databases to estimate the market size for potential use of nanoscale zero-valent iron (nZVI) as a remediation technology. She compiled competing vendor information and quotes to estimate the average cost of similar products. She utilized the U.S. Patent and Trademark Office database to analyze competing technologies.

Arizona Pollutant Discharge Elimination System (AZPDES) and National Pollutant Discharge Elimination System (NPDES) Permits, Arizona. Suzanne prepared AZPDES and NPDES) permit renewal applications for a copper mining facility in Southern Arizona, which included updates to the facility's Storm Water Pollution Prevention Plan (SWPPP) and QA Manual.

Spill Prevention, Control and Countermeasure Plans, Aggregate Mining Facilities, Arizona. Suzanne assisted with a Spill Prevention, Control and Countermeasure Plans (SPCC) for aggregate mining facilities in Arizona. She performed site visit, evaluated fuel and oil tanks and secondary containment areas, assisted with calculations to verify compliance, and prepared report.

Copper Mining Facility, Miami, Arizona. Suzanne assisted with Toxic Release Inventory (TRI) and Toxic Substances Control Act (TSCA) reporting, both submitted to the EPA.

Storm Water Pollution Prevention Plan, Franciscan Friars of California, Gila County, Arizona. Suzanne updated the SWPPP for construction activities related to the closure of a historic Gibson copper mine, authorized under the Arizona Pollutant Discharge Elimination System "General Permit for Discharge from Construction Activities to Waters of the United States." The Former Gibson Mine is a small, historic copper mine, located approximately 7 miles southwest of Miami, Arizona, in Gila County. Construction activities covered under the updated SWPPP consisted of the excavation, hauling, and removal of approximately 80,000 tons of soil cover from the Mineral Creek side of the site to mine-scarred areas on the Pinto Creek side of the site. Also included was final grading of the site, which consisted of re-contouring and re-defining any portion of the drainages that were on site; and revegetation.

Stormwater Pollution Prevention Plans, Vulcan Materials Company, Western Division, Arizona. Suzanne prepared SWPPP for 11 aggregate mining facilities in Arizona. Performed site visits, analyzed stormwater flows, prepared reports, and completed Notices of Intent for the Arizona Department of Environmental Quality under a Multi-Sector General Permit.

Uranium Enrichment Facility, Lea County, New Mexico. Suzanne prepared quarterly and annual groundwater monitoring reports, semi-annual radioactive effluent release reports, and radiological environmental monitoring program reports in accordance with New Mexico Environment Department regulations and the Nuclear Regulatory Commission. Performed quarterly data validation on a variety of matrices and analytical methods. She prepared site-specific environmental monitoring procedures, which included field sampling techniques; data collection, management and validation; and an air modeling software package.

Rocket Testing and Research Facility, Western U.S. Suzanne analyzed and evaluated groundwater quality data, prepared reports, and managed data for this Resource Conservation and Recovery Act (RCRA) site. Assisted with management of sampling, analysis, and reporting of constituents of concern for fractured sandstone bedrock aquifer impacted by chlorinated solvents and emergent chemicals 1,4-dioxane, perchlorate, and n-nitrosodimethylamine (NDMA). Performed data validation of water quality data according to U.S. EPA National Functional Guidelines. Queried data from client environmental data management system and prepared summary tables, concentration plots, and water level hydrographs using Microsoft Excel programs. She prepared a quarterly analytical schedule using an Access database application, updated the site-specific Health & Safety Plan, and participated in lean training, which reduced cost of groundwater monitoring tasks by 25 percent.

Federal Superfund Site, Eastern Massachusetts. Suzanne performed data validation and quality assurance/quality control of soil and groundwater data according to U.S. EPA National Functional Guidelines. She performed third-party database updates.

Great Western Bank, Cortaro Ranch Property, Marana, Arizona. For site characterization of undeveloped land, Suzanne performed surficial soil sampling, analytical laboratory coordination, data analysis, and report preparation.

Twin Buttes Properties, Inc., Southern Arizona. Suzanne assisted with report and analytical table preparation for the characterization and analysis of current and historical hydrologic conditions at an inactive mine site near Sahuarita, Arizona in support of regulatory compliance.

Skyworks Solutions, Inc. Site, Newbury Park, California. Suzanne assisted with report and analytical table preparation for a subsurface investigation characterizing the lateral and vertical extent of soil and groundwater impacts from known releases of TCE, 1,4-dioxane and other organic compounds.

PUBLICATIONS

"Mixed Redox Catalytic Destruction of Chlorinated Solvents in Soils and Groundwater," with S. Gao, E. Rupp, M. Willinger, T. Foley, B. Barbaris, A.E., Saez, R.G. Arnold and E. Betterton. In Environmental Challenges in The Pacific Basin, 2008; Annals of the New York Academy of Sciences, Vol. 1140, pp 435-445. PMID: 18991945

INVITED LECTURER OR SPEAKER

"Catalytic Destruction of Perchloroethylene," with E. Betterton, R. Arnold and Eduardo Saez, Presenter - NASA Space Grant Student Symposium, Phoenix, Arizona. April 2007.

JAMES BELLEW

Principal

EDUCATION

M.S., Environmental Geology, Queens College
B.S., Geology, Pre-Law, Environmental Science, Binghamton University

PROFESSIONAL SOCIETIES

American Council of Engineering Companies, Member, 2017
Urban Land Institute, Member, 2016
Business Council of New York, Member, 2018

SPECIAL STUDIES AND COURSES

40-Hour OSHA Hazardous Waste Operations and Emergency Response Training (29 CFR 1910.120)
30-Hour OSHA Construction Safety and Heath
8-hour OSHA Site Supervisor Certification
OSHA Confined Space Entry Training Certification
Erosion and Sediment Control, New York, No. 006925
USDOT/IATA Training on the Shipping and/or Transportation of Hazardous Materials

James has a hands-on approach to every project. He believes that being present and putting himself into his clients' shoes is the best way to understand their needs. As a Principal, James's expertise includes due diligence, environmental risk development, building surveys, remedial investigations, remedial design, and technical oversight. Mr. Bellew has completed over 50 NYCOER E-Designation Sites and NYSDEC Brownfield Cleanup Program Sites which include preparation of all reports through to the certificate of completion and a certificate of occupancy.

Clients appreciate James' strategies from the inception of a project through closure under various regulatory programs nationwide. That comprehensive approach is what James loves the most about his job. He enjoys taking on complex projects and finding rational, cost-effective, remedial solutions.

RELEVANT PROJECT EXPERIENCE

Development, EPA Site RCRA-02-2009-7306, NYSDEC Site 243016, Former Port Mobil Terminal, Staten Island, New York. Principal responsible for the preparation of the feasibility study, preparation of the Interim Remedial Reports, completion of the Interim Remedial Measures, completion of the remedial investigation stages, continued execution of the Monitoring and Natural Attenuation Program, preparation of the Remedial Action Work Plan/Remedial Designs, and RCRA Closure procedures for the Port Mobil Terminal Site under an Environmental Protection Agency and New York State DEC Consent Order. The Site has a footprint of 240-Acres SF with a planned development for commercial/industrial uses.

Government, NYCDDC Shirley Chisholm Recreational Center, Brooklyn, New York. Principal for the project released by the New York City Department of Design and Construction, on behalf of the NYC Parks Department, for the design and construction of a new recreational center located at 3002 Foster Avenue in Brooklyn New York. Scope of services included execution of a Phase II Environmental Site Assessment, soil characterization, remedial oversight, geotechnical percolation testing and closure with the NYC Department of Environmental Protection.

Development's, New York State Superfund Site 224136, Former NuHart Plastics Site, New York State Superfund Site (NuHart West) and NYSDEC Brownfield Program Site C224287 (NuHart East), Brooklyn, New York. Principal for the preparation of the feasibility study, offsite investigation reports, RCRA (Resource Conservation and Recovery Act) Closure Work Plan, execution of the RCRA Closure, preparation of the Brownfield Cleanup Application (NuHart East), 100% Remedial Design, preparation of all BCP related work plans (NuHart East), coordination to vest the Site for 421-, Final Engineering Reports, RCRA Closure Reports, Site Management Plan, Remedial Memorandum and all community

outreach programs for a former plasticizer facility with on- and off-site pollutant concerns. Responsible for all remedial cost and alternative analysis with the client to bring the Site to a certificate of completion. NuHart is a high-profile Site that requires coordination with the New York State Department of Environmental Conservation (NYSDEC), the New York City Office of Environmental Remediation (NYCOER), local regulatory agencies, community stakeholders and local elected officials. Remediation included shipping off a majority of the Site soil for thermal desorption under a nonhazardous contained in determination for thermal treatment, erection of a negative pressure enclosure in OU-1, groundwater extraction and treatment, underground storage tank (UST) removal, ex-situ chemical soil mixing of Zero Valent Iron (OU-1), In Situ Injection of Zero Valent Iron (OU-2), containment walls (OU-1 and OU-2), In Situ Soil Stabilization and Solidification, and automated LNAPL recovery (OU-2). The NuHart East Site has completed the remediation and received the Certificate of Completion from the NYSDEC in 2023 and the NuHart West Site is receiving its Certificate of Completion in 2025 with an anticipated transition from a Class 2 to a Class 4 Inactive Hazardous waste Site.

Development, NYSDEC Site C224345, 101 Fleet Place, Brooklyn, New York. Principal responsible for the due diligence during acquisition, preparation of the Brownfield Cleanup Program Application, Change of Use Documents, BCA Amendments, remedial investigation, remedial action design (BCP and OER) and Final Engineering Report for the former bus depot Site under the New York State Brownfield Cleanup program and NYCOER E-Designation Programs (Air/Noise). The Site has a footprint of 20,000 SF with a planned development of a 21-story mixed use building with approximately 292 units which include affordable housing. This Site received a NYSDEC Certificate of Completion in 2024.

Development, NYSDEC Site C231150 644 East 14th Street, New York, New York. Principal responsible for the due diligence during acquisition, preparation of the Brownfield Cleanup Program Application, Change of Use Documents, BCA Amendments, remedial investigation, remedial action design and Final Engineering Report for the 644 East 14th Street Site under the New York State Brownfield Cleanup program. The Site has a footprint of 10,000 SF with a planned development of a 24-story mixed use building with approximately 196 units which include affordable housing. The Site received a certificate of completion from the NYSDEC in 2024.

Development, NYSDEC Site C224338 Former Garone Bros Auto Site, 352-362 Shepherd, Brooklyn, New York. Principal responsible for the due diligence during acquisition, preparation of the Brownfield Cleanup Program Application, Change of Use Documents, BCA Amendments, remedial investigation, remedial action design (BCP and OER) and Final Engineering Report for the former Garone Bros Auto Site under the New York State Brownfield Cleanup program and NYCOER E-Designation Programs (Air/Noise). The Site has a footprint of 10,000 SF with a planned development of a 7-story mixed use building with approximately 56 units which include affordable housing. The Site received a certificate of completion from the NYSDEC in 2024.

Development's, NYSDEC Sites C224369, C224348, Speedway Portfolio, Multiple Boroughs, New York. Principal responsible for the expedited due diligence during acquisition of 5 former Speedway Sites of Phase I ESA's and Limited Phase II ESI's, preparation of the Brownfield Cleanup Program Applications, Remedial Investigation Work Plans, Interim Remedial Measure Work Plans, Air/Noise Remedial Action Work Plans (NYCOER), remedial investigations, remedial action designs (BCP and OER), Final Engineering Reports and Site Management Plans. Five of the Sites including 808-834 Metropolitan (C224368), 210 Greenpoint Avenue (C224348) 1885 Atlantic (C224347), 2864 Atlantic (C224349) and 401 West 207th (C231151), were accepted into the NYSDEC Brownfield Cleanup program. The remedial actions for the Sites included a variety of approaches which consisting of in situ chemical treatment for groundwater, soil vapor extraction, excavation and dewatering removal and treatment. All of the Sites received a certificate of completion from the NYSDEC in 2023 and 2024.

Development, NYSDEC Site C203127, 138 Bruckner Boulevard, Bronx, New York. Principal responsible for the due diligence during acquisition, preparation of the Brownfield Cleanup Program Application, Change of Use Documents, coordination to vest the Site for 421-a, BCA Amendments, remedial investigation, remedial action design (BCP and OER) and Final Engineering Report for the former Zaro's Bakery Site under the New York State Brownfield Cleanup program and NYCOER E-Designation Programs (Air/Noise). The Site has a footprint of 50,000 SF with a planned

development of a 12-story mixed use building with approximately 447 units which include affordable housing. The Site received a certificate of completion from the NYSDEC in 2023.

Development, NYSDEC Site C203156 Former Mill Sanitary Wiping Cloth Site, 40 Bruckner Boulevard, Bronx, New York. Principal responsible for the due diligence during acquisition, preparation of the Brownfield Cleanup Program Application, Change of Use Documents, BCA Amendments, remedial investigation, remedial action design (BCP and OER) and Final Engineering Report for the former Mill Sanitary Wiping Cloth Site under the New York State Brownfield Cleanup program and NYCOER E-Designation Programs (Air/Noise). The Site has a footprint of 45,000 SF with a planned development of a 12-story mixed use building with approximately 480 units which include affordable housing. The Site received a certificate of completion from the NYSDEC in 2023.

Development, NYSDEC Site C203121, 310 Grand Concourse, Bronx, New York. Principal responsible for environmental and construction management services required to successfully navigate this two-building redevelopment project through the NYSDEC Brownfield Cleanup Program (BCP) and NYCOER E-Designation Program (Air/Noise). Project included site investigation, design, and remediation for development of two buildings within a 30,000 square-foot lot in the Bronx, New York. Remediation included excavation of approximately 20,000 cubic yards of soil, groundwater extraction and treatment, underground storage tank (UST) removal, design, and installation an ex-situ chemical in situ soil stabilization process for elevated levels of metals.

Development, NYSDEC Site C224299, 297 Wallabout Street, Brooklyn New York. Principal responsible for the due diligence during acquisition, preparation of the Brownfield Cleanup Program Application, Change of Use Documents, BCA Amendments, remedial investigation, and remedial action design (BCP and OER), Final Engineering Report and Site Management Plan for the 297 Wallabout Street Site under the New York State Brownfield Cleanup program and NYCOER E-Designation Programs (Air). Successfully delineated the onsite tetrachloroethene (PCE) plume in soil and groundwater. The Site is currently in the remedial implementation phase. Remediation included excavation of approximately 5,000 cubic yards of soil, groundwater extraction and treatment, underground storage tank (UST) removal, design, and installation an ex-situ chemical oxidation process for chlorinated solvents and monitoring and natural attenuation. The Site received a certificate of completion from the NYSDEC in 2024.

Development, NYSDEC Site C224239, Former Techtronics Site (8 Walworth Street), Brooklyn, New York. Principal for the remedial investigation, remedial action design and remedial action implementation for the former Techtronics Site under the New York State Brownfield Cleanup program as a Participant where trichloroethene (TCE) and tetrachloroethene (PCE) were encountered in soil and groundwater. James successfully delineated the vertical and lateral extents of the plumes which were identified as an upgradient, on-site. For this Site we have designed source removal to 20'bgs, Zero Valent Iron (ZVI) Reactive Barrier Wall, in situ ZVI injections sitewide and a vertical vapor mitigation system. The Site is currently in the remedial implementation phase.

Development, New York City OER Site - 346 Grand Concourse, Bronx, New York. Principal for the proposed 9-story, 60 key commercial building with one-level deep cellar. Design phase environmental services consist of guiding the Site through the New York City Office of Environmental of Remediation Voluntary Cleanup and E-Designation Programs, including Hazmat, Air Quality and Noise requirements. This program included submission of a Remedial Investigation Work Plan, implementation of a Remedial Investigation, submittal of a Remedial Investigation Report, Remedial Action Work Plans (Hazmat Air and Noise) and the Final Installation Report for the Certificate of Occupancy.

Development, New York City OER Site - 3294 Atlantic Avenue, Brooklyn, New York. Principal for the proposed 12-story, 80 key commercial building with one-level deep cellar. Design phase environmental services consist of guiding the Site through the New York City Office of Environmental of Remediation Voluntary Cleanup and E-Designation Programs, including Hazmat, Air Quality and Noise requirements. This program included submission of a Remedial Investigation Work Plan, implementation of a Remedial Investigation, submittal of a Remedial Investigation Report, Remedial Action Work Plans (Hazmat Air and Noise) and the Final Installation Report for the Certificate of Occupancy.

Development, New York City OER Site - 590-594 Myrtle Avenue, Brooklyn, New York. Principal for the proposed 6-story, 12-unit residential building with one-level deep cellar. Design phase environmental services consist of guiding the Site through the New York City Office of Environmental of Remediation Voluntary Cleanup and E-Designation Programs, including Hazmat, Air Quality and Noise requirements. This program included submission of a Remedial Investigation Work Plan, implementation of a Remedial Investigation, submittal of a Remedial Investigation Report, Remedial Action Work Plans (Hazmat Air and Noise) and the Final Installation Report for the Certificate of Occupancy.

Development, New York City OER Site - 3530 Webster Avenue, Bronx, New York. Principal for the proposed 8-story, 75 key commercial building with one-level deep cellar. Design phase environmental services consist of guiding the Site through the New York City Office of Environmental of Remediation Voluntary Cleanup and E-Designation Programs, including Hazmat, Air Quality and Noise requirements. This program included submission of a Remedial Investigation Work Plan, implementation of a Remedial Investigation, submittal of a Remedial Investigation Report, Remedial Action Work Plans (Hazmat Air and Noise). The project is currently in the construction phase of the NYCOER program.

Development, Former BP Station, Elmhurst Queens, New York. Principal for the preparation of a full environmental impact statement with respect to a mixed-use development proposed in Elmhurst Queens for submission to the NYC Department of City Planning to rezone the project. The work included a full impact assessment of the proposed construction with respect to the neighborhood, evaluation of green/open spaces for the community and environmental site investigation and remediation services.

Development, NYSDEC Site C224204, Former Delta Metals Site, Brooklyn, New York. Senior Project manager for the remedial investigation and remedial action design for the former Delta Metal Products Company. Project is under the New York State Brownfield Cleanup program as a Participant where TCE and tetrachloroethene (PCE) were encountered in soil and groundwater. James successfully delineated the vertical and lateral extents of the plumes which were identified as an upgradient, on-site and downgradient plume. Investigation results triggered the NYSDEC to utilize its call-out contract to perform a plume track down for the immediate area and identify additional Potentially Responsible Parties. The design for an Air Sparge Soil Vapor Extraction system has been accepted and the project is currently under construction.

Manufacturing-Industrial, Hess Amerada, Bogota and Edgewater, New Jersey. Senior Project Manager and technical Lead for the construction management services for the demolition of two waterfront terminals on the Hackensack and Hudson rivers. Services included demolition design, submittal review, site execution and coordination of activities related to asbestos abatement, demolition of buildings, thirty holding tanks, piping structures, containment structures and storm water structures.

Manufacturing-Industrial, PQ Corporation, Northeastern United States. Senior Project Manager responsible for the design and implementation of a three phased program for handling polychlorinated biphenyl (PCB) containing materials on approximately 100 tank structures at large, active industrial sites, which included coating removal, encapsulation, demolition, and Toxic Substances Control Act (TSCA) remediation. He was responsible for development of the overall program, specifications, drawings, bid packages, construction oversight and project administration until closure. The program also included design and oversight of a new façade and roof upgrades completed concurrently to client operations.

Development, NYSDEC Site C224194, Former Cascade Laundry, Brooklyn, New York. Senior Project Manager responsible for environmental and construction management services required to successfully navigate a seven-building redevelopment project through the NYSDEC Brownfield Cleanup Program (BCP) and NYCOER E-Designation Program (Air/Noise). Project included site investigation, design, and remediation for development of seven buildings within a 2-acre site in Brooklyn, New York. Remediation included excavation of approximately 40,000 cubic yards of soil, groundwater extraction and treatment, underground storage tank (UST) removal, design, and installation of a sub slab depressurization system (SSDS) and ex situ chemical oxidation of groundwater impacted by petroleum.

Development, New York City OER Site - 520-534 West 29th Street, New York, New York. James was responsible for environmental site investigation and remediation activities required to successfully navigate the project through the

NYCOER's E-Designation and Voluntary Cleanup Programs. This program included submission of a Remedial Investigation Work Plan, implementation of a Remedial Investigation, submittal of a Remedial Investigation Report, Remedial Action Work Plans (Hazmat Air and Noise). The project is currently in the construction phase of the NYCOER program.

Development, New York State Brownfield Site, BJ's Wholesale, Brooklyn, New York. Senior Project Manager for the remedial execution within the NYSDEC BCP and NYCOER E-Designation programs at an 8-acre peninsula in Gravesend Bay being redeveloped by BJ's Wholesale Club (BJ's) into a "big-box" warehouse and parking garage, and a publicly accessible, waterfront open space. He implemented a comprehensive community air monitoring plan (CAMP), managed the design and installation of a passive sub slab depressurization system, and oversaw handling and off-site disposal of impacted material generated by BJ's (the Lessee for the subject site) during their foundation construction activities.

Development, New York State Brownfield Site, Coney Island, Brooklyn, New York. Senior Project Manager responsible for the environmental design during the rehabilitation and expansion of a 1970s-era mixed-use complex, which covers an area equivalent to three city blocks. He facilitated the BCP applications for two adjacent parcels within the complex impacted by historic dry-cleaning uses. Site investigations performed had documented the presence of PCE in soil gas and was delineated over three separate structural slabs in commercial and residential space utilizing a mobile laboratory. He designed and installed two sub-slab depressurization systems and prepared Remedial Investigation Work Plan which outlined work required to delineate the vertical and horizontal extent of the impacted soils, soil vapor and groundwater at both BCP sites. The system was designed with below slab suction pits, remote sensing vacuum monitoring points, and a variable frequency drive blower tied into the monitoring points for optimization and power savings.

Development, New York City OER Site - Memorial Sloan Kettering Cancer Center (MSKCC), New York, New York. Project Manager for environmental remediation for this MSKCC development project. James was solely responsible for subsurface investigation and remediation activities, large, manufactured gas plant (MGP) gas holder removal (from former Con Edison Operations), UST removal, daily status updates to the NYCOER, implementation of the CAMP and the management, handling, characterization, and off-site disposal of MGP impacted soil and dewatering fluids.

New York State Spill Remediation, Metropolitan Transportation Agency Bridges and Tunnels, New York, New York. Project Manager responsible for execution of a remedial action scope which included UST removal, excavation of 600 cubic yards of petroleum impacted soil, design and installation of a groundwater extraction and treatment system and post remediation samples. He implemented the In Situ Chemical Oxidation program for the injection of 54,000 gallons of 8 percent solution Fenton's Reagent and the O&M (Operation & Maintenance) of the petroleum spill with respect to Fenton's performance and the plume migration.

Various Public Schools, New York City School Construction Authority, New York, New York. Project Manager responsible for environmental remediation proposed several school developments sites, including PS 312, P.S. 281, and PS 27K. Assisted in the design and implementation of the remediation programs for the sites for petroleum spills, PCB TSCA contamination and hazardous lead hot spots.

Development, i.Park Edgewater, Edgewater, New Jersey. Project Manager responsible for the design and environmental remediation on-site. Implemented the construction plan for remediation of arsenic, pitch- and PCB-impacted soil for excavation and off-site disposal of 20,000 tons. He managed the air monitoring system on-site which consisted of four permanent stations set upwind and downwind on-site for volatile organic compounds (VOCs) and particulate migration off-site. Also, James performed redesigns throughout the project to keep within the current schedule and budget.

Development, New York State Brownfield, Queens West, Long Island City, New York. Project Manager responsible for oversight of the Environmental Remediation on-site. James implemented the construction plan for remediation of 20,000 cubic yards of LNAPL on the Site; he assisted in design and oversight of the In Situ Chemical Oxidation mixing on-site. The project was eventually developed into three large towers and a new school.

Manufactured Gas Plant, National Grid, Rockaway, New York. James aided in the design and implementation of the soil characterization plan for MGP impacted sands. After delineation of the contamination plume, drafted work plans and site layout of the negative pressure tent. He performed and trained the on-site staff on the use of personal air monitoring equipment and aided with design considerations on the installation of a waterloo barrier to be advanced to minus 80 feet below grade surface. James also helped with the design and permitting for the groundwater treatment system installed on-site.

Manufactured Gas Plant, Con Edison, New York, New York. Environmental engineer for responsible party for all environmental issues associated with this job, including transportation and disposal of 8,000 tons of MGP contaminated soil from former Con Edison operations. James scheduled weekly work for all civil and environmental tasks on the job. He was responsible for the design and installation of the dewatering treatment system with a daily discharge of 25,000 gallons per day of MGP -impacted water.

New York State Superfund Project, NYSDEC, Hicksville, New York. James performed O&M and reporting on the Site's Potassium Permanganate Injection system, which was on a timed system; maintained the system, troubleshooting problems and ensuring that the proper ratios were being injected. He performed the fieldwork for analysis and drafted interim reports for the project manager.

Retail Petroleum, New York State Spills Program, Hess Amerada, Various Locations, New York. Environmental Engineer responsible for the design and installation of groundwater and soil vapor remedial systems at over 30 retail petroleum stations for Hess. Responsible for ensuring that the remedial systems were operating properly and performing repairs as necessary during operation. He performed groundwater and soil vapor monitoring and drafted O&M reports for the NYSDEC. Plume size ranged from within the retail station property with monitoring off-site impacts in local neighborhoods greater than a 3-mile radius.

Retail Petroleum, New York State Spills Program, British Petroleum (BP), Various Locations, New York. Environmental Engineer responsible for the design and installation of groundwater and soil vapor remedial systems at over 10 retail petroleum stations for BP. He was responsible for ensuring that the remedial systems were operating properly and performing repairs necessary during operation. He performed groundwater and soil vapor monitoring and drafted O&M reports for the NYSDEC. Plume size ranged from within the retail station property with monitoring off-site impacts in local neighborhoods greater than a 2-mile radius.

Development, 524 West 19th Street, New York, NY (Metal Shutter Homes). Project Engineer responsible party for all environmental and civil issues associated with this job, including transportation and disposal of 5,000 tons of MGP contaminated soil from former Con Edison operations. James scheduled weekly work for all civil and environmental tasks on the job. He successfully redesigned the grout cutoff wall connections to the installed steel sheeting with a secant wall installed off-site. He provided technical guidance for drilling 4-foot diameter exploratory casings for subsurface anomalies. Additionally, James was responsible for the design and installation of the dewatering treatment system with a daily discharge of 25,000 gallons per day of MGP impacted water.

EPA Superfund Site, Newtown Creek Superfund, Brooklyn, New York. Environmental Engineer who aided in the design of the pump and treat system installed at Peerless Importers. He also aided in the design and installation of the harbor boom set up. Operated and Maintained groundwater/LNAPL extraction systems on-site and performed monthly site gauging as part of the O&M plan.

ZACHARY SIMMEL

Project Manager | Environmental Engineer

EDUCATION

BS, Environmental Engineering, Syracuse University

SPECIAL STUDIES AND COURSES

40-Hour OSHA Hazardous Waste Operations and Emergency Response Training (29 CFR 1910.120)
8-Hour OSHA HAZWOPER Refresher Training
10-Hour OSHA Construction Safety Training
8-Hour DOT Hazmat Employee & RCRA Hazardous Waste Generator Training
American Red Cross First Aid Training and CPR Course
XRF Training
Asbestos Inspector Training

Zachary is an engineer with experience in remedial site investigations, subsurface investigations, observations of rock blasting/excavation, preparation of technical reports, and data collection and analysis. He also has extensive experience with conducting Phase I environmental site assessments and Phase II environmental site assessments, and other forms of environmental due diligence. He has performed groundwater sampling events, soil gas/vapor surveys, and assisted with preparation of soils management plans. Zachary regularly utilizes computer programs such as Microsoft Excel, Microsoft Word, and Bluebeam in his daily job functions.

He will focus his time at Haley & Aldrich serving the Building and Infrastructure markets with performing site reconnaissance to observe existing conditions, assess site access for subsurface explorations, and identify important site features. He will also monitor subsurface exploration activities to collect soil, bedrock, groundwater, as well as other pertinent information for project design, and assist in the development of remedial work plans.

RELEVANT PROJECT EXPERIENCE

Environmental

310 Grand Concourse Residential Construction, South Bronx, New York. As a field engineer, Zachary performed excavation oversight and was responsible for the collection of endpoint samples, air monitoring, and logging trucks for off-site disposal. He assisted in the development of a map that accounted for the different impacted zones on the site including hazardous lead and petroleum areas. He was exposed to general support of excavation (SOE) practices including the installation of soldier piles, structural piles, timber lagging, walers, and rakers. Approximately 24,000 tons of soil was excavated and transported off-site (includes hazardous lead, petroleum impacted, urban fill, and native soil) and approximately 10,250 tons of broken-up bedrock was removed from the site. Thirteen underground storage tanks containing gasoline were encountered and removed as part of the remediation. The site achieved the most stringent remediation standards in New York state.

Former Techtronics Facility, 8 Walworth Street, Brooklyn, New York. As field engineer, Zachary was responsible for the oversight of soil borings by Direct Push and installation of fifteen permanent groundwater monitoring wells using mud-rotary drilling. Cluster wells were installed to vertically delineate chlorinated volatile organic compounds (CVOCs) on-site plume and to evaluate other plumes migrating onto the site. Adjusted well locations due to site-specific challenges, specifically shallow refusal. His responsibilities included collecting soil and groundwater environmental samples, gauging wells, overseeing survey performed by license surveyor, and compiling laboratory data and hydrogeologic information to formulate an interim remedial measure (IRM) design involving soil vapor extraction/air sparging systems and implementing a bioremediation injection barrier wall.

297 Wallabout Street, Brooklyn, New York. As field engineer, Zachary was responsible for the oversight of soil borings and installation of five permanent groundwater monitoring wells. His responsibilities included classifying soil, developing/purging wells, collecting environmental soil samples, and conducting low-flow groundwater sampling for various analyses.

Excavation Oversight and CAMP Monitoring, Various Sites, Bronx and Brooklyn, New York. Zachary served as field engineer for several projects under the NYC Mayor's Office of Environmental Remediation (NYCOER) program. His responsibilities included performing excavation oversight, air monitoring, vapor barrier installation oversight, and logging trucks for off-site disposal.

Former NuHart Plastics Manufacturing Plant, Brooklyn, New York. Zachary worked as field engineer for multiple monitoring events which consisted of the removal of light non-aqueous-phase liquid (LNAPL) performed in compliance with the site-specific, NYSDEC-approved Operation, Maintenance, and Monitoring Plan (OM&M Plan) for the product recovery system.

Rock Brokerage Environmental Site Assessments, New York City, New York. Zachary served as field engineer for environmental waste characterization services as required by the disposal facility at several sites throughout the greater New York City area.

Building & Infrastructure Construction/Development

I-95 Express Lanes Fredericksburg Extension, Fredericksburg/Stafford, Virginia. As field engineer, Zachary was responsible for the oversight of geotechnical borings using (HSAs) along Interstate 95. Work areas included both road work and limited access areas (i.e. wetlands, medians). He provided quality real-time data under an intense project deadline and collaborated daily with earthwork firm (i.e. branch civil). Logged soils using Virginia Department of Transportation Classification System and collected both split spoon and Shelby tube samples. Equipment used for soil classification included a pocket penetrometer.

Greenwich Country Day School South Campus Addition, Greenwich, Connecticut. As field engineer, Zachary observed construction activities for south campus addition which included rock removal (line drilling and blasting), installing footings, preparing bearing surfaces, installing underslab and perimeter drainage systems, and earthworks. Project responsibilities also included collecting blast vibration monitoring information from the blaster and regularly checking in with surveyor to maintain elevation control of excavation.

Corbin Avenue Mixed-Use Residential Development, Darien, Connecticut. Zachary served field engineer for subsequent site investigation for a mixed-use residential development. The development will consist of several, mixed-use residential buildings, and an underground parking structure. His responsibilities included monitoring of test borings (using HAS and mud rotary) and rock drilling, collecting pertinent information from drill rig crews (monitored two at a time), collecting environmental samples, and gauging previously installed groundwater monitoring wells. Adjusted test boring locations due to site specific challenges including shallow refusal depth, utilities, and other site (i.e. parked vehicles, access restrictions).

Lambert Houses Parcel 5, Bronx, New York. As field engineer for site investigation of proposed development at E 179th Street, Zachary monitored 15 test borings and one test it to obtain information on subgrade and depth of bedrock across the site.

Lincoln Avenue Bridge Replacement, Trenton, New Jersey. As field engineer for site investigation of proposed replacement of bridge, Zachary monitored test borings to obtain information on subgrade and depth to bedrock. Test boring extended down to approximately 100 feet; 25 feet was rock cored. Both soil and rock cores were collected, observed, and properly identified in logs.

Keeler Brook Force Main Final Design, Connecticut Avenue, Norwalk, Connecticut. Zachary served as field engineer for site investigation of proposed installation of 2,475 linear feet (lf) of 16-in.-dia., HDPE-force main running along the south side on Connecticut Avenue. Final design included 1,100 lf horizontal directional drilling (HDD) and 725 lf pipe jacking area. His responsibilities included monitoring of test borings and rock drilling to obtain information on subgrade and depth to bedrock.

Environmental Remediation Experience

The Stanwich School, Environmental Remediation Investigation, Greenwich, Connecticut. As field engineer, Zachary was responsible for the oversight of the remediation of former hiking trails impacted by historical placement of fill material (e.g., primarily ash, coal, slag). Primary contaminants of concern included heavy metals, specifically arsenic and lead. Assisted with preliminary subsurface investigation involving the installation of test pits in order to characterize and assess distribution of fill material. Primary responsibilities included oversight of the removal of fill material, segregating cut stone for re-use, collecting endpoint samples to determine performance of the remedy, compiling laboratory data, oversight of the installation of filter fabric, and preparing a site remediation report with appropriate figures. Acted as liaison between general contractor and both soil brokerage firm and environmental laboratory.

Marc Service Station, Environmental Remediation, Stamford, Connecticut. As field engineer, Zachary was responsible for the remedial oversight of former gasoline service station. He conducted both Phase I and Phase II Environmental Site Assessments prior to remediation. Primary responsibilities included oversight of the excavation and removal of two abandoned in-ground hydraulic lifts, an out-of-service oil/water separator, and interior drain lines. Project also called for the removal of historic impacted soil in the vicinity of a former pump island and locations of former underground storage tanks grossly contaminated with primarily Benzene, Toluene, Ethylbenzene and Xylene (BTEX) contaminants and petroleum. He was responsible for the collection and analysis of soil samples, verification of completeness of the work, documentation, and preparation of a closure/soil remediation report.

Rubino Brothers Scrap Metal, Environmental Remediation Investigation, Stamford, Connecticut. As field engineer, Zachary was responsible for the remedial oversight of former storage lot operated by scrap metal yard. The storage lot was comprised of three different parcels which were formerly operated by a variety of light industrial and commercial businesses including a foundry and lumber yard. Assisted in the development of a grid system across the entirety of the site, each approximately 25 ft x 25 ft. Remediation was conducted in several phases: removal of top layer of asphalt and millings, removal of reinforced concrete slabs across the entirety of the site, and removal of impacted soil (primary contaminants of concern [Extractable Total Petroleum Hydrocarbons], arsenic, and lead). Encountered orphan underground gasoline storage tanks and a waste oil tank. Primary responsibilities included oversight of the removal of impacted soil, segregating non-native material, collecting endpoint samples, and documenting completion of work. Collected composite samples from stockpiles for waste characterization and disposal facility. Created spreadsheet and tables of laboratory results, prepared appropriate site plans, and assisted with compilation of remediation report.

Environmental Investigation Experience

Multiple Confidential Clients, Phase I ESAs and Due Diligence, Multiple Locations in Connecticut, New York, New Jersey. Zachary conducted Phase I ESAs, for buyer and vendor sides, on a variety of properties including commercial, industrial, and residential sites. Experience with conducting Phase I ESAs and Transaction Screens (in CT) on dry cleaners, auto body shops, and service stations.

Multiple Confidential Clients, Phase II, Multiple Locations, Connecticut. As field engineer, Zachary conducted Phase II ESAs and supplemental Phase III ESAs on a variety of different sites. His assisted with the development of sampling plans primarily based off previous environmental investigations and due diligence. Primary responsibilities for Phase II investigations included oversight of the installation of test borings and/or test pits and the installation of groundwater

monitoring wells. Some project scopes also called for the completion of a soil gas survey using a photoionization detector as a field instrument. Phase III investigations involved further intrusive environmental media sampling to further delineate the vertical and horizontal extent of contamination.

Other Experience

Spill Management and Closure Services, Multiple Sites, Connecticut. As field engineer, Zachary was responsible for spill closure activities including monitoring removal of underground storage tanks and at times, overseeing excavation of contaminated soil related to leaking underground storage tanks. Primary responsibilities for underground storage tank closure/removal included oversight of the removal of impacted soil, collecting endpoint samples, preparing soil samples for laboratory analysis, and preparing a closure report to be submitted to state agency.

Multiple Dry Cleaners, Stamford, Connecticut. Zachary's responsibilities included conducting quarterly groundwater sampling events using low flow sampling technique, preparing data and reports. Air monitoring and routine soil vapor extraction system maintenance checks were also required at several of the dry cleaners.