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September 23, 2025

Mr. Javier Perez-Maldonado  
Division of Environmental Remediation  
New York State Department of Environmental Conservation  
625 Broadway  
Albany, NY 12233

Re: Addendum to the Remedial Investigation Work Plan  
9 N. 15<sup>th</sup> Street Site  
9 North 15<sup>th</sup> Street, Brooklyn, New York  
BCP Site No. C224397

Dear Mr. Perez-Maldonado:

On behalf of the 9N15Inlet LLC and Solstice Equities LLC (collectively referred to herein as the Owner(s)), GZA GeoEnvironmental of New York (GZA) is submitting this Addendum to the Remedial Investigation Work Plan to continue to investigate the property located at 9 North 15<sup>th</sup> Street, Brooklyn, NY (Site) and will be implemented as part of the Owner's compliance to the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) requirements under Site No. C224397.

## REMEDIAL INVESTIGATION PROGRESS

Pursuant to the NYSDEC-approved RIWP, dated July 18, 2025, we have performed the following scope of work summarized below and on **Table 1**:

### Soil

- Advancement of eleven (11) soil borings to a depth of 20 to 30 feet below ground surface (ft bgs).
- Collection and laboratory analyses of twenty-two (22) soil samples for full suite analyses from the shallow fill and directly above the groundwater interface in all borings. Full suite analyses consisted of Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs) including 1,4-dioxane, Total metals including hexavalent chromium and cyanide, pesticides, herbicides, polychlorinated biphenyls (PCBs), and per- and polyfluoroalkyl substances (PFAS). Eleven (11) additional soil samples were collected from each soil boring for VOCs only at the depth of highest observed impacts.

### Groundwater

- Installation of four (4) permanent monitoring wells; MW-07S, MW-08S, MW-08M, MW-09S.
- Development of all new and existing groundwater monitoring wells excluding MW-06S as this monitoring well is located off-site and not part of the proposed sampling list.
- Collection and laboratory analyses of eight (8) groundwater samples for full-suite analyses and one (1) groundwater sample for VOCs only



- Completion of a groundwater tidal study to assess tidal impacts on the groundwater elevations.

#### Soil Gas and Indoor/Outdoor Air

- Advancement of four (4) sub-slab soil vapor points to 6-inches beneath the existing slab.
- Collection and laboratory analyses of four (4) soil vapor samples for VOCs.
- Collection and laboratory analyses of four (4) co-located indoor air samples and one (1) outdoor air sample for VOCs.

A full sample location map of the figures discussed above are presented on **Figure 1**.

GZA summarized and compared the preliminary soil laboratory analytical results to the 6 NYCRR 375-6.7(b) Soil Cleanup Objectives (SCOs), particularly the Unrestricted Use SCOs (UUSCOs), Commercial Use SCOs (CUSCOs), and the Protection of Groundwater Use SCOs (PGSCOs).

Contaminants of Concern (COCs) in soil included:

1. VOCs – naphthalene, trichloroethylene (TCE), tetrachloroethylene (PCE), cis-1,2-dichloroethylene (cis-1,2-DCE), and vinyl chloride;
2. SVOCs – benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene
3. Metals – Copper, Lead, Mercury, and Nickel; and
4. Perfluorooctanesulfonic acid (PFOS).

The preliminary soil analytical results are included in **Tables 2 to 6**. The soil exceedances are presented in spider diagrams included as **Figures 2A to 2C**.

The preliminary groundwater analytical results were compared to the NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards (AWQS). COCs in groundwater included:

1. VOCs – cis-1,2-DCE, TCE, PCE, vinyl chloride, and naphthalene;
2. SVOCs – benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, naphthalene, and 1,4-dioxne
3. Metals – Nickel and Cyanide; and
4. PFOS.

The preliminary groundwater analytical results are included on **Tables 7 to 11**. The groundwater exceedances are presented in a spider diagram included as **Figure 3**.

Soil vapor and co-located indoor air samples were compared to the New York State Department of Health (NYSDOH) Soil Vapor Intrusion Matrices (May 2017 and February 2024) as a comparison tool. COCs in soil vapor included cis-1,2-DCE, cyclohexane, methylene chloride, TCE, and PCE. The preliminary soil vapor, indoor air, and outdoor air data is presented on **Tables 12 and 13**. The soil vapor, indoor air, and outdoor air results are presented on **Figure 4**.



**DEVIATIONS FROM THE APPROVED REMEDIAL INVESTIGATION WORK PLAN**

Deviations to the approved RIWP included a reduction of installed groundwater monitoring wells and subsequent groundwater samples. As discussed in a meeting held between GZA and NYSDEC on July 25, 2025, proposed MW-01-D, MW-03-D, MW-04-D, MW-07-D, MW-08-D, and MW-09-D were not installed. Based on the lithology observed during the field activities at the site including the presence of a thick shallow clay layer in combination with the known contamination it was decided drilling though the locations of wells with observed contamination was not warranted. The clay layer was observed as shallow as 13.5 feet below ground surface (ft bgs) and up to 11.5 feet thick. The native clay layer was identified in all soil borings. Subsurface profiles are presented on **Figures 5A to 5C** and the draft soil boring logs are included as **Attachment A**.

GZA installed two wells at the location of SB-09, as MW-08-S and MW-08-M. MW-08S was screened in the shallow groundwater interval at 3-13 ft bgs and MW-08-M was screened from 10-20 ft bgs. Only one groundwater sample for VOCs was collected from MW-08-M.

**PROPOSED ADDENDUM TO THE REMEDIAL INVESTIGATION WORK PLAN**

In order to vertically delineate the extent of contamination in soil, GZA proposes to install borings at the former locations of SB-02, SB-03, SB-04, SB-06, SB-07, SB-08, SB-09, SB-10, and SB-11. The depths, quantity of samples, and analysis has been determined based on the results received from the Remedial Investigation. The additional soil data will help to fully characterize the site in order to develop the remedial objectives, design and a Remedial Action Work Plan (RAWP). The soil sample analysis will be completed by the RIWP approved methods and are outlined in the table below:

**Summary of Addendum to the Remedial Investigation Work Plan – Soil**

Sample Name	Sample / Boring Termination Depth (feet below ground surface (bgs))	Approximate Number of Samples	Rationale for Sampling	Sample Name and Laboratory Analysis
<b>Soil</b>				<b>Analyses</b>
SB-02	20 ft bgs	2	To vertically delineate soil exceeding commercial use and/or protection of groundwater soil cleanup objectives	SB-02 (13-15') & SB-02 (18-20') - SVOCs
SB-03	23 ft bgs	2		SB-03 (20') & SB-03 (22') - VOCs
SB-04	23 ft bgs	2		SB-04 (13-15') & SB-04 (20-22') - SVOCs
SB-06	20 ft bgs	2		SB-06 (13-15') & SB-06 (18-20') – SVOCs/Total Mercury/Total Nickel
SB-07	20 ft bgs	4		SB-07 (17') & SB-07 (20') – VOCs ; SB-07 (13-15') & SB-07 (18-20') - SVOCs
SB-08	20 ft bgs	4		SB-08 (18') & SB-08 (20') – VOCs ; SB-08 (13-15') & SB-08 (18-20') – Total Copper/Total Nickel, SVOCs, and PFAS



Sample Name	Sample / Boring Termination Depth (feet below ground surface (bgs))	Approximate Number of Samples	Rationale for Sampling	Sample Name and Laboratory Analysis
Soil				Analyses
SB-09	20 ft bgs	2		SB-09 (17') & SB-09 (20') – VOCs
SB-10	20 ft bgs	2		SB-10 (17') & SB-10 (20') – VOCs ; SB-10 (13-15') & SB-10 (18-20') – PFAS
SB-11	20 ft bgs	2		SB-11 (12-14') & SB-11 (17-19') – Total Copper/Total Lead/Total Nickel, SVOCs

To delineate the vertical extent of groundwater contamination, GZA proposes to install one deep groundwater monitoring well at the downgradient well location at existing MW-03S. The monitoring well will be installed and screened approximately 10 feet beneath the clay layer and designated as MW-03D. It is anticipated that the well will be screened from approximately 30-40 ft bgs based on existing soil boring information from the RI. A groundwater contour map from the wells gauged during the RI is presented on **Figure 6**.

To prevent vertical migration of contamination, a steel casing will be installed at 5-feet into the clay layer and grouted overnight to create a sealed pathway. The deep groundwater monitoring well will be installed through the grouted casing and set 10-feet beneath the clay interface. Procedures for well development and groundwater sampling as outlined in the approved RIWP. One groundwater sample will be collected from this well for the full suite parameter list:

- TCL VOCs with TICs by EPA Method 8260;
- TCL SVOC with TICs by EPA Method 8270 including 1-4 Dioxane by EPA Method 8270 SIM;
- Total and dissolved TAL Metals by EPA Method 6010C / 7471B, cyanide by EPA method 9010/9012, and hexavalent chromium;
- Pesticides by EPA Method 8081;
- PCBs by EPA Method 8082A;
- Herbicides by EPA method 8151; and
- PFAS by EPA Method 1633

Field QA/QC procedures will be used to document that samples are representative of actual conditions at the Site. 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 samples (field and trip blanks, duplicates, etc.) will be collected and analyzed at a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory in accordance with the NYSDEC-approved Quality Assurance Project Plan and Field Sampling Plan Included as **Attachment A**.

GZA will coordinate with the laboratory to prepare the results in Electronic Data Deliverables (EDDs) format compatible with EQUIS that can be uploaded into an EQUIS database for storage and development of tables or



output to other data analysis tools and GIS as needed. GZA will have a data validate evaluate the data package for inclusion into a DUSR that will subsequently be prepared to document the usability of the data. Additional details regarding QA/QC and data management and validation are included in **Attachment B**.

The work outlined above will be completed under a NYSDEC-approved and GZA site-specific Health and Safety Plan (HASP) in accordance with OSHA Hazardous Waste Operations and Emergency Response (HAZWOPER) regulations. GZA anticipates the work will be completed in Modified Level D personal protective equipment (PPE); however, workers will be prepared to elevate to more protective PPE based on the conditions encountered during field activities. Real-time air monitoring for VOCs and particulate levels at the perimeter of the exclusion zone or work area will be performed in accordance with the NYSDEC-approved Community Air Monitoring Plan (CAMP).

## REPORTING

Upon completion of the field activities, the results will be incorporated into the Final Remedial Investigation Report (RIR) that will be prepared to document the findings of the investigations performed at the Site and the proposed remedy. The RIR will be consistent with the specifications presented in the DER-10 document and will include:

- An executive summary;
- A site description and history;
- Summary information regarding previous investigations and remedial work performed at the Site;
- Descriptions of field activities performed;
- A summary of pertinent field observations, field measurements, and laboratory analytical data summarized in tabular format - analytical results will be compared to appropriate NYSDEC guidance and standards;
- Spider figures summarizing the laboratory analytical results and showing comparison to applicable NYSDEC guidance and standards;
- Plan view and cross-section figures presenting laboratory analytical data and field observations of surface and subsurface soil and groundwater impacts. A minimum of two profiles will be developed, one perpendicular to and one parallel with groundwater flow direction at the Site;
- A qualitative human health risk assessment which assesses the sources of impact, on and off-site human and ecological receptors, and exposure pathways;
- A data usability review and DUSRs for the laboratory data collected during the RI;
- An integration of field observations and measurements with laboratory analytical data to evaluate the nature and extent of impacts and to develop a site conceptual model of potential contaminant migration;
- A set of conclusions for the investigation; and
- Recommendations

Data collected during the RI will be submitted in the Department's Environmental Information Management System (EIMS) format for Electronic Data Delivery (EDD).

## PROJECT SCHEDULE

With this addendum, our anticipated revised BCP schedule is summarized below:



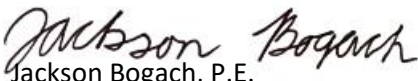
Description	Anticipated RI Schedule
Performance of the RI	July-August 2025
Performance of the RIWP Addendum	October 2025
Complete RIR and submit to NYSDEC	November-December 2025


We note that the proposed schedule may be adjusted if unforeseen delays occur due to inclement weather, drill rig availability, or other conditions that are beyond GZA’s control.

Should you have any questions or comments, call Victoria Whelan at (631) 664-6477. Thank you for your assistance.

Very truly yours,

**GZA GEOENVIRONMENTAL OF NEW YORK**

  
 Jackson Bogach, P.E.  
 Project Manager

  
 Victoria Whelan, P.G.  
 Associate Principal

CC: William Bennett, NYSDEC  
 Avra Jain, 9N15Inlet LLC  
 Jonathan Braun, Solstice Equities LLC



Attachments:

Please note – All Figures and Tables presented in this Addendum are preliminary and draft.

**TABLES – DRAFT**

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TABLE 13	Volatile Organic Compounds in Indoor and Outdoor Air

**FIGURES – DRAFT**

FIGURE 1	Sample Location Map
FIGURE 2A-2D	Exceedances in Soil
FIGURE 3	Exceedances in Groundwater
FIGURE 4	Exceedances in Soil Vapor, Indoor Air, and Outdoor Air
FIGURE 5A-5C	Subsurface Profile Maps
FIGURE 6	Groundwater Contour Map

**ATTACHMENTS**

Attachment A	Draft Remedial Investigation Soil Boring Logs
Attachment B	Field Sampling Plan and Quality Assurance Project Plan



September 2025  
*Addendum to the RIWP*  
9 North 15<sup>th</sup> Street, Brooklyn, NY  
BCP Site No. C224397

## TABLES

Table 1 - Sample Collection Summary  
Remedial Investigation Report

**DRAFT PRINT**

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

GZA Sample ID (Sample Depths)	Date Collected	Sample Depth Interval (ft.)	Boring Completion Depth (ft. bgs)	TCL VOCs	TCL SVOCs	Pesticides	Herbicides	PCBs	PFAS	TAL Metals (inc. Hexavalent Chromium)	1,4 Dioxane	TPH Fingerprint Analysis
<b>Soil Samples</b>												
<b>SB-01 (1-3')</b>	7/28/2025	1-3	30		X	X	X	X	X	X	X	
SB-01 (7-9')	7/28/2025	7-9	30		X	X	X	X	X	X	X	
SB-01 (3')	7/28/2025	3	30	X								
SB-01 (9')	7/28/2025	9	30	X								
SB-01 (16')	7/28/2025	16	30	X								
<b>SB-02 (1-3')</b>	7/28/2025	1-3	20		X	X	X	X	X	X	X	
SB-02 (8-10')	7/28/2025	8-10	20		X	X	X	X	X	X	X	
SB-02 (3')	7/28/2025	3	20	X								
SB-02 (8')	7/28/2025	8	20	X								
SB-02 (14')	7/28/2025	14	20	X								
<b>SB-03 (1-3')</b>	7/28/2025	1-3	30		X	X	X	X	X	X	X	
SB-03 (5-7')	7/28/2025	5-7	30		X	X	X	X	X	X	X	
SB-03 (3')	7/28/2025	3	30	X								
SB-03 (6')	7/28/2025	6	30	X	X	X		X	X	X	X	
SB-03 (17')	7/28/2025	17	30	X								
<b>SB-04 (1-3')</b>	7/25/2025	1-3	30		X	X	X	X	X	X	X	
SB-04 (8-10')	7/25/2025	8-10	30		X	X	X	X	X	X	X	
SB-04 (3')	7/25/2025	3	30	X								
SB-04 (10')	7/25/2025	10	30	X								
SB-04 (14')	7/25/2025	14	30	X	X	X		X	X	X	X	
<b>SB-05 (1-3')</b>	7/28/2025	1-3	20		X	X	X	X	X	X	X	
FIELD DUPLICATE_07282025 (SB-05 (1-3') Dup)	7/28/2025	1-3	20	X	X	X	X	X	X	X	X	
SB-05 (7-9')	7/28/2025	7-9	20	X	X	X		X	X	X	X	
SB-05 (3')	7/28/2025	3	20	X								
SB-05 (9')	7/28/2025	9	20	X								
SB-05 (13')	7/28/2025	13	20	X								
<b>SB-06 (1-3')</b>	7/25/2025	1-3	20		X	X	X	X	X	X	X	
SB-06 (8-10')	7/25/2025	8-10	20		X	X	X	X	X	X	X	
SB-06 (3')	7/25/2025	3	20	X								
SB-06 (9')	7/25/2025	9	20	X								
SB-06 (14')	7/25/2025	14	20	X	X	X	X	X	X	X	X	
<b>SB-07 (1-3')</b>	7/25/2025	1-3	30		X	X	X	X	X	X	X	
07.25.25_DUP (SB-07 (1-3') Dup)	7/25/2025	1-3	30	X	X	X	X	X	X	X	X	
SB-07 (8-10')	7/25/2025	8-10	30		X	X	X	X	X	X	X	
SB-07 (2')	7/25/2025	2	30	X								
SB-07 (9')	7/25/2025	9	30	X								
SB-07 (14')	7/25/2025	14	30	X	X	X	X	X	X	X	X	
<b>SB-08 (1-3')</b>	7/25/2025	1-3	20		X	X	X	X	X	X	X	
SB-08 (7-9')	7/25/2025	7-9	20		X	X	X	X	X	X	X	
SB-08 (3')	7/25/2025	3	20	X								
SB-08 (8')	7/25/2025	8	20	X								
SB-08 (16')	7/25/2025	16	20	X								
SB-08 (16')	7/28/2025	16	20									X

**TABLE NOTES:**

- ft feet
- bgs Below ground surface
- SB Soil boring
- IA Ambient Indoor Air
- OA Ambient Outdoor Air
- SV Soil Vapor
- ppm Parts per million
- VOCs Volatile Organic Compounds
- SVOCs Semivolatile Organic Compounds
- PCBs Polychlorinated Biphenyls
- TCL Target Compound Lists
- PFAS Per - and Polyfluoroylalkyl Substances
- TAL Metals Target analyte list metals
- TPH Total Petroleum Hydrocarbon



**Table 1 - Sample Collection Summary  
Remedial Investigation Report**

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

GZA Sample ID	Date Collected	Sample Depth Interval (ft.)	Boring Completion Depth (ft. bgs)	TCL VOCs	TCL SVOCs	Pesticides	Herbicides	PCBs	PFAS	TAL Metals	1,4 Dioxane	TPH Fingerprint Analysis
<b>Soil Samples</b>												
<b>SB-09 (1-3')</b>	7/28/2025	1-3	30		X	X	X	X	X	X	X	X
SB-09 (8-10')	7/28/2025	8-10	30		X	X	X	X	X	X	X	X
SB-09 (3')	7/28/2025	3	30	X								
SB-09 (9')	7/28/2025	9	30	X								
SB-09 (14')	7/28/2025	14	30	X	X	X	X	X	X	X		
<b>SB-10 (1-3')</b>	7/25/2025	1-3	20		X	X	X	X	X	X	X	X
SB-10 (8-10')	7/25/2025	8-10	20		X	X	X	X	X	X	X	X
SB-10 (3')	7/25/2025	3	20	X								
SB-10 (9')	7/25/2025	9	20	X								
SB-10 (15')	7/25/2025	15	20	X	X	X	X	X	X	X	X	
<b>SB-11 (8-10')</b>	7/25/2025	8-10	20		X	X	X	X	X	X	X	X
SB-11 (1-3')	7/25/2025	1-3	20		X	X	X	X	X	X	X	X
SB-11 (1')	7/25/2025	1	20	X								
SB-11 (8')	7/25/2025	8	20	X								
SB-11 (14')	7/25/2025	14	20	X								

**TABLE NOTES:**

ft	feet
bgs	Below ground surface
SB	Soil boring
IA	Ambient Indoor Air
OA	Ambient Outdoor Air
SV	Soil Vapor
ppm	Parts per million
VOCs	Volatile Organic Compounds
SVOCs	Semivolatile Organic Compounds
PCBs	Polychlorinated Biphenyls
TCL	Target Compound Lists
PFAS	Per- and Polyfluoroalkyl Substances
TAL Metals	Target analyte list metals
TPH	Total petroleum hydrocarbons



**Table 1 - Sample Collection Summary  
Remedial Investigation Report**

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

GZA Sample ID	Date Collected	Approximate well screened Interval (feet below top of casing)										
			VOCs	SVOCs	Pesticides	Herbicides	PCBs	PFAS	TAL Metals (total / dissolved) (including hexavalent chromium)	1,4 Dioxane		
<b>Groundwater Samples</b>												
MW-01S	8/11/2025	5-20	X	X	X	X	X	X	X	X	X	
MW-02S	8/11/2025	5-20	X	X	X	X	X	X	X	X	X	
MW-03S	8/11/2025	5-20	X	X	X	X	X	X	X	X	X	
MW-04S	8/11/2025	5-20	X	X	X	X	X	X	X	X	X	
MW-05S	8/11/2025	5-20	X	X	X	X	X	X	X	X	X	
MW-07S	8/11/2025	6-16	X	X	X	X	X	X	X	X	X	
MW-08S	8/11/2025	3-13	X	X	X	X	X	X	X	X	X	
MW-08M	8/11/2025	10-20	X									
MW-09S	8/11/2025	5-15	X	X	X	X	X	X	X	X	X	

**TABLE NOTES:**

- ft                    feet
- bgs                Below ground surface
- SB                 Soil boring
- IA                 Ambient Indoor Air
- OA                 Ambient Outdoor Air
- SV                 Soil Vapor
- ppm               Parts per million
- VOCs              Volatile Organic Compounds
- SVOCs            Semivolatile Organic Compounds
- PCBs              Polychlorinated Biphenyls
- TCL                Target Compound Lists
- PFAS              Per- and Polyfluoroalkyl Substances
- TAL Metals       Target analyte list metals

**Table 1 - Sample Collection Summary  
Remedial Investigation Report**

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

GZA Sample ID	Date Collected	Sample depth (ft below ground surface - soil vapor; ft above grade - ambient air)	VOCs - TO-15												
<b>Soil Vapor Samples</b>		<b>sample depth (ft bgs)</b>													
SV-01	8/1/2025	0.5 (sub-slab)	X												
SV-02	8/1/2025	0.5 (sub-slab)	X												
SV-03	8/1/2025	0.5 (sub-slab)	X												
SV-04	8/1/2025	0.5 (sub-slab)	X												
<b>Ambient Air Samples</b>		<b>sample depth (ft above grade)</b>													
IA-01	8/1/2025	3	X												
IA-02	8/1/2025	3	X												
IA-03	8/1/2025	3	X												
IA-04	8/1/2025	3	X												
OA-04	8/1/2025	3	X												

**TABLE NOTES:**

- ft                      feet
- bgs                    Below ground surface
- VOCs - TO-15       Volatile Organic Compounds - EPA Air Method, Toxic Organics - 15

Table 2 - Volatile Organic Compounds in Soil Remedial Investigation Report

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

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LOCATION SAMPLING DATE LAB SAMPLE ID SAMPLE TYPE	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Commercial	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	SB-01 (3') 7/28/2025		SB-01 (9') 7/28/2025		SB-01 (16') 7/28/2025		SB-02 (3') 7/28/2025		SB-02 (8') 7/28/2025		SB-02 (14') 7/28/2025	
				L2547120-14 Soil		L2547120-16 Soil		L2547120-17 Soil		L2547120-28 Soil		L2547120-30 Soil		L2547120-31 Soil	
				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
<b>Volatile Organics by EPA 5035 (mg/kg)</b>															
1,1,1,2-Tetrachloroethane	~	~	~	0.00075	U	0.00084	U	0.00063	U	0.045	U	0.053	U	0.00072	U
1,1,1-Trichloroethane	0.680	500	0.680	0.00075	U	0.00084	U	0.00063	U	0.42	U	0.053	U	0.00072	U
1,1,2,2-Tetrachloroethane	~	~	~	0.00075	U	0.00084	U	0.00063	U	0.045	U	0.053	U	0.00072	U
1,1,2-Trichloroethane	~	~	~	0.0015	U	0.0017	U	0.0012	U	0.089	U	0.1	U	0.0014	U
1,1-Dichloroethane	0.27	240	0.27	0.0015	U	0.0017	U	0.0012	U	0.089	U	0.1	U	0.0014	U
1,1-Dichloroethane	0.330	500	0.330	0.0015	U	0.0017	U	0.0012	U	0.089	U	0.1	U	0.0014	U
1,1-Dichloropropene	~	~	~	0.00075	U	0.00084	U	0.00063	U	0.045	U	0.053	U	0.00072	U
1,2,3-Trichlorobenzene	~	~	~	0.003	U	0.0034	U	0.0025	U	0.18	U	0.21	U	0.0029	U
1,2,3-Trichloropropane	~	~	~	0.003	U	0.0034	U	0.0025	U	0.18	U	0.21	U	0.0029	U
1,2,4,5-Tetramethylbenzene	~	~	~	0.003	U	0.0034	U	0.00072	J	0.18	U	0.21	U	0.0029	U
1,2,4-Trichlorobenzene	~	~	~	0.003	U	0.0034	U	0.0025	U	0.18	U	0.21	U	0.0029	U
1,2,4-Trimethylbenzene	3.6	190	3.6	0.003	U	0.0034	U	0.0025	U	0.18	U	0.21	U	0.0029	U
1,2-Dibromo-3-chloropropane	~	~	~	0.0045	U	0.005	U	0.0038	U	0.27	U	0.32	U	0.0043	U
1,2-Dibromoethane	~	~	~	0.0015	U	0.0017	U	0.0012	U	0.089	U	0.1	U	0.0014	U
1,2-Dichlorobenzene	1.1	500	1.1	0.003	U	0.0034	U	0.0025	U	0.18	U	0.21	U	0.0029	U
1,2-Dichloroethane	0.020	30	0.020	0.0015	U	0.0017	U	0.0012	U	0.089	U	0.1	U	0.0014	U
1,2-Dichloroethane, Total	~	~	~	0.0015	U	0.0017	U	0.0012	U	0.15	U	1.2	U	0.0032	U
1,2-Dichloropropane	~	~	~	0.0015	U	0.0017	U	0.0012	U	0.089	U	0.1	U	0.0014	U
1,3,5-Trimethylbenzene	8.400	190	8.400	0.003	U	0.0034	U	0.0025	U	0.18	U	0.21	U	0.0029	U
1,3-Dichlorobenzene	2.400	280	2.400	0.003	U	0.0034	U	0.0025	U	0.18	U	0.21	U	0.0029	U
1,3-Dichloropropane	~	~	~	0.003	U	0.0034	U	0.0025	U	0.18	U	0.21	U	0.0029	U
1,3-Dichloropropene, Total	~	~	~	0.00075	U	0.00084	U	0.00063	U	0.045	U	0.053	U	0.00072	U
1,4-Dichlorobenzene	1.800	130.000	1.800	0.003	U	0.0034	U	0.0025	U	0.18	U	0.21	U	0.0029	U
1,4-Dioxane	0.1	130	0.1	0.12	U	0.13	U	0.1	U	7.1	U	8.4	U	0.12	U
2,2-Dichloropropane	~	~	~	0.003	U	0.0034	U	0.0025	U	0.18	U	0.21	U	0.0029	U
2-Butanone	0.12	500	0.12	0.015	U	0.017	U	0.026	U	0.89	U	1	U	0.011	J
2-Hexanone	~	~	~	0.015	U	0.017	U	0.012	U	0.89	U	1	U	0.014	U
4-Methyl-2-pentanone	~	~	~	0.015	U	0.017	U	0.012	U	0.89	U	1	U	0.014	U
Acetone	0.05	500	0.05	0.015	U	0.017	U	0.05	U	0.89	U	1	U	0.02	U
Acrylonitrile	~	~	~	0.006	U	0.0067	U	0.005	U	0.36	U	0.42	U	0.0058	U
Benzene	0.0600	44	0.0600	0.00075	U	0.00084	U	0.00063	U	0.045	U	0.053	U	0.00072	U
Bromobenzene	~	~	~	0.003	U	0.0034	U	0.0025	U	0.18	U	0.21	U	0.0029	U
Bromochloromethane	~	~	~	0.003	U	0.0034	U	0.0025	U	0.18	U	0.21	U	0.0029	U
Bromodichloromethane	~	~	~	0.00075	U	0.00084	U	0.00063	U	0.045	U	0.053	U	0.00072	U
Bromoform	~	~	~	0.006	U	0.0067	U	0.005	U	0.36	U	0.42	U	0.0058	U
Bromomethane	~	~	~	0.003	U	0.0034	U	0.0025	U	0.18	U	0.21	U	0.0029	U
Carbon disulfide	~	~	~	0.015	U	0.017	U	0.012	U	0.89	U	1	U	0.014	U
Carbon tetrachloride	0.76	22	0.76	0.0015	U	0.0017	U	0.0012	U	0.027	J	0.1	U	0.0014	U
Chlorobenzene	1.1	500	1.1	0.00075	U	0.00084	U	0.00063	U	0.045	U	0.053	U	0.00072	U
Chloroethane	~	~	~	0.003	U	0.0034	U	0.0025	U	0.18	U	0.21	U	0.0029	U
Chloroform	0.370	350.000	0.370	0.0022	U	0.0025	U	0.0019	U	0.059	J	0.16	U	0.0022	U
Chloromethane	~	~	~	0.006	U	0.0067	U	0.005	U	0.36	U	0.42	U	0.0058	U
cis-1,2-Dichloroethane	0.25	500	0.25	0.0015	U	0.0017	U	0.0012	U	0.15	U	1.2	U	0.0032	U
cis-1,3-Dichloropropene	~	~	~	0.00075	U	0.00084	U	0.00063	U	0.045	U	0.053	U	0.00072	U
Dibromochloromethane	~	~	~	0.0015	U	0.0017	U	0.0012	U	0.089	U	0.1	U	0.0014	U
Dibromomethane	~	~	~	0.003	U	0.0034	U	0.0025	U	0.18	U	0.21	U	0.0029	U
Dichlorodifluoromethane	~	~	~	0.015	U	0.017	U	0.012	U	0.89	U	1	U	0.014	U
Ethyl ether	~	~	~	0.003	U	0.0034	U	0.0025	U	0.18	U	0.21	U	0.0029	U
Ethylbenzene	1	390	1	0.0015	U	0.0017	U	0.0012	U	0.089	U	0.1	U	0.0014	U
Hexachlorobutadiene	~	~	~	0.006	U	0.0067	U	0.005	U	0.36	U	0.42	U	0.0058	U
Isopropylbenzene	~	~	~	0.0015	U	0.0017	U	0.0012	U	0.089	U	0.1	U	0.0014	U
Methyl tert butyl ether	0.93	500	0.93	0.003	U	0.0034	U	0.0025	U	0.18	U	0.21	U	0.0029	U
Methylene chloride	0.05	500	0.05	0.0075	U	0.0084	U	0.0063	U	0.45	U	0.53	U	0.0072	U
n-Butylbenzene	12	500	12	0.0015	U	0.0017	U	0.0012	U	0.089	U	0.1	U	0.00036	J
n-Propylbenzene	3.9	500	3.9	0.0015	U	0.0017	U	0.0012	U	0.089	U	0.1	U	0.0014	U
Naphthalene	12	500	12	0.006	U	0.0067	U	0.005	U	0.13	J	0.42	U	0.0033	J
o-Chlorotoluene	~	~	~	0.003	U	0.0034	U	0.0025	U	0.18	U	0.21	U	0.0029	U
o-Xylene	~	~	~	0.0015	U	0.0017	U	0.0012	U	0.075	J	0.1	U	0.0011	J
p-Chlorotoluene	~	~	~	0.003	U	0.0034	U	0.0025	U	0.18	U	0.21	U	0.0029	U
p-Diethylbenzene	~	~	~	0.003	U	0.0034	U	0.0025	U	0.18	U	0.21	U	0.0029	U
p-Ethyltoluene	~	~	~	0.003	U	0.0034	U	0.0025	U	0.18	U	0.21	U	0.0029	U
p-Isopropyltoluene	~	~	~	0.0015	U	0.0017	U	0.0012	U	0.089	U	0.1	U	0.0014	U
p/m-Xylene	~	~	~	0.003	U	0.0034	U	0.0025	U	0.18	U	0.21	U	0.0029	U
sec-Butylbenzene	11	500	11	0.0015	U	0.0017	U	0.0012	U	0.089	U	0.1	U	0.0003	J
Styrene	~	~	~	0.0015	U	0.0017	U	0.0012	U	0.089	U	0.1	U	0.0014	U
tert-Butylbenzene	5.9	500	5.9	0.003	U	0.0034	U	0.0025	U	0.18	U	0.21	U	0.00066	J
Tetrachloroethene	1.3	150	1.3	0.00075	U	0.00084	U	0.00063	U	1.2	U	2.4	U	0.00072	U
Toluene	0.7	500	0.7	0.0015	U	0.0017	U	0.0012	U	0.089	U	0.1	U	0.0014	U
trans-1,2-Dichloroethene	0.19	500	0.19	0.0022	U	0.0025	U	0.0019	U	0.13	U	0.16	U	0.0022	U
trans-1,3-Dichloropropene	~	~	~	0.0015	U	0.0017	U	0.0012	U	0.089	U	0.1	U	0.0014	U
trans-1,4-Dichloro-2-butene	~	~	~	0.0075	U	0.0084	U	0.0063	U	0.45	U	0.53	U	0.0072	U
Trichloroethene	0.47	200	0.47	0.00075	U	0.00084	U	0.00063	U	12	U	13	U	0.0056	U
Trichlorofluoromethane	~	~	~	0.006	U	0.0067	U	0.005	U	0.36	U	0.42	U	0.0058	U
Vinyl acetate	~	~	~	0.015	U	0.017	U	0.012	U	0.89	U	1	U	0.014	U
Vinyl chloride	0.02	13	0.02	0.0015	U	0.0017	U	0.0012	U	0.089	U	0.1	U	0.00096	J
Xylenes, Total	0.260	500	1.600	0.0015	U	0.0017	U	0.0012	U						

Table 2 - Volatile Organic Compounds in Soil  
Remedial Investigation Report

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

LOCATION SAMPLING DATE LAB SAMPLE ID SAMPLE TYPE	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Commercial	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	SB-03 (3')		SB-03 (6')		SB-03 (17')		SB-04 (3')		SB-04 (10')		SB-04 (14')	
				7/28/2025		7/28/2025		7/28/2025		7/25/2025		7/25/2025		7/25/2025	
				L2547120-08 Soil		L2547120-10 Soil		L2547120-11 Soil		L2546920-26 Soil		L2546920-28 Soil		L2546920-29 Soil	
Volatile Organics by EPA 5035 (mg/kg)				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
1,1,1,2-Tetrachloroethane	~	~	~	0.044	U	0.04	U	0.00086	U	0.082	U	0.052	U	0.00053	U
1,1,1-Trichloroethane	0.680	500	0.680	0.044	U	0.04	U	0.00086	U	0.082	U	0.052	U	0.00053	U
1,1,2,2-Tetrachloroethane	~	~	~	0.044	U	0.04	U	0.00086	U	0.082	U	0.052	U	0.00053	U
1,1,2-Trichloroethane	~	~	~	0.088	U	0.079	U	0.0017	U	0.16	U	0.1	U	0.0011	U
1,1-Dichloroethane	0.27	240	0.27	0.088	U	0.079	U	0.0017	U	0.16	U	0.1	U	0.0011	U
1,1-Dichloroethane	0.330	500	0.330	0.088	U	0.079	U	0.0017	U	0.16	U	0.1	U	0.0011	U
1,1-Dichloropropene	~	~	~	0.044	U	0.04	U	0.00086	U	0.082	U	0.052	U	0.00053	U
1,2,3-Trichlorobenzene	~	~	~	0.18	U	0.16	U	0.0034	U	0.33	U	0.21	U	0.0021	U
1,2,3-Trichloropropane	~	~	~	0.18	U	0.16	U	0.0034	U	0.33	U	0.21	U	0.0021	U
1,2,4,5-Tetramethylbenzene	~	~	~	0.18	U	0.16	U	0.0034	U	0.33	U	0.21	U	0.0021	U
1,2,4-Trichlorobenzene	~	~	~	0.18	U	0.16	U	0.0034	U	0.33	U	0.21	U	0.0021	U
1,2,4-Trimethylbenzene	3.6	190	3.6	0.18	U	0.16	U	0.0034	U	0.33	U	0.21	U	0.0021	U
1,2-Dibromo-3-chloropropane	~	~	~	0.26	U	0.24	U	0.0051	U	0.49	U	0.31	U	0.0032	U
1,2-Dibromoethane	~	~	~	0.088	U	0.079	U	0.0017	U	0.16	U	0.1	U	0.0011	U
1,2-Dichlorobenzene	1.1	500	1.1	0.18	U	0.16	U	0.0034	U	0.33	U	0.21	U	0.0021	U
1,2-Dichloroethane	0.020	30	0.020	0.088	U	0.079	U	0.0017	U	0.16	U	0.1	U	0.0011	U
1,2-Dichloroethane, Total	~	~	~	0.14	U	0.47	U	0.01	U	0.51	U	7.6	U	0.002	U
1,2-Dichloropropane	~	~	~	0.088	U	0.079	U	0.0017	U	0.16	U	0.1	U	0.0011	U
1,3,5-Trimethylbenzene	8.400	190	8.400	0.18	U	0.16	U	0.0034	U	0.33	U	0.21	U	0.0021	U
1,3-Dichlorobenzene	2.400	280	2.400	0.18	U	0.16	U	0.0034	U	0.33	U	0.21	U	0.0021	U
1,3-Dichloropropane	~	~	~	0.18	U	0.16	U	0.0034	U	0.33	U	0.21	U	0.0021	U
1,3-Dichloropropene, Total	~	~	~	0.044	U	0.04	U	0.00086	U	0.082	U	0.052	U	0.00053	U
1,4-Dichlorobenzene	1.800	130.000	1.800	0.18	U	0.16	U	0.0034	U	0.33	U	0.21	U	0.0021	U
1,4-Dioxane	0.1	130	0.1	7	U	6.4	U	0.14	U	13	U	8.2	U	0.085	U
2,2-Dichloropropane	~	~	~	0.18	U	0.16	U	0.0034	U	0.33	U	0.21	U	0.0021	U
2-Butanone	0.12	500	0.12	0.88	U	0.79	U	0.017	U	1.6	U	1	U	0.011	U
2-Hexanone	~	~	~	0.88	U	0.79	U	0.017	U	1.6	U	1	U	0.011	U
4-Methyl-2-pentanone	~	~	~	0.88	U	0.79	U	0.017	U	1.6	U	1	U	0.011	U
Acetone	0.05	500	0.05	0.88	U	0.79	U	0.018	U	1.6	U	1	U	0.029	U
Acrylonitrile	~	~	~	0.35	U	0.32	U	0.0068	U	0.65	U	0.41	U	0.0043	U
Benzene	0.0600	44	0.0600	0.044	U	0.04	U	0.00086	U	0.082	U	0.052	U	0.00053	U
Bromobenzene	~	~	~	0.18	U	0.16	U	0.0034	U	0.33	U	0.21	U	0.0021	U
Bromochloromethane	~	~	~	0.18	U	0.16	U	0.0034	U	0.33	U	0.21	U	0.0021	U
Bromodichloromethane	~	~	~	0.044	U	0.04	U	0.00086	U	0.082	U	0.052	U	0.00053	U
Bromoform	~	~	~	0.35	U	0.32	U	0.0068	U	0.65	U	0.41	U	0.0043	U
Bromomethane	~	~	~	0.18	U	0.16	U	0.0034	U	0.33	U	0.21	U	0.0021	U
Carbon disulfide	~	~	~	0.88	U	0.79	U	0.017	U	1.6	U	1	U	0.011	U
Carbon tetrachloride	0.76	22	0.76	0.088	U	0.079	U	0.0017	U	0.16	U	0.1	U	0.0011	U
Chlorobenzene	1.1	500	1.1	0.044	U	0.04	U	0.00086	U	0.082	U	0.052	U	0.00053	U
Chloroethane	~	~	~	0.18	U	0.16	U	0.0034	U	0.33	U	0.21	U	0.0021	U
Chloroform	0.370	350.000	0.370	0.13	U	0.013	J	0.0026	U	0.024	J	0.15	U	0.0016	U
Chloromethane	~	~	~	0.35	U	0.32	U	0.0068	U	0.65	U	0.41	U	0.0043	U
cis-1,2-Dichloroethene	0.25	500	0.25	0.14	U	0.47	U	0.01	U	0.51	U	7.2	U	0.002	U
cis-1,3-Dichloropropene	~	~	~	0.044	U	0.04	U	0.00086	U	0.082	U	0.052	U	0.00053	U
Dibromochloromethane	~	~	~	0.088	U	0.079	U	0.0017	U	0.16	U	0.1	U	0.0011	U
Dibromomethane	~	~	~	0.18	U	0.16	U	0.0034	U	0.33	U	0.21	U	0.0021	U
Dichlorodifluoromethane	~	~	~	0.88	U	0.79	U	0.017	U	1.6	U	1	U	0.011	U
Ethyl ether	~	~	~	0.18	U	0.16	U	0.0034	U	0.33	U	0.21	U	0.0021	U
Ethylbenzene	1	390	1	0.088	U	0.079	U	0.00025	J	0.16	U	0.1	U	0.0011	U
Hexachlorobutadiene	~	~	~	0.35	U	0.32	U	0.0068	U	0.65	U	0.41	U	0.0043	U
Isopropylbenzene	~	~	~	0.088	U	0.079	U	0.0017	U	0.16	U	0.1	U	0.0011	U
Methyl tert butyl ether	0.93	500	0.93	0.18	U	0.16	U	0.0034	U	0.33	U	0.21	U	0.0021	U
Methylene chloride	0.05	500	0.05	0.44	U	0.4	U	0.0086	U	0.82	U	0.52	U	0.0053	U
n-Butylbenzene	12	500	12	0.088	U	0.079	U	0.0017	U	0.16	U	0.1	U	0.0011	U
n-Propylbenzene	3.9	500	3.9	0.088	U	0.079	U	0.0017	U	0.16	U	0.1	U	0.0011	U
Naphthalene	12	500	12	0.35	U	0.32	U	0.0015	J	0.65	U	0.41	U	0.0018	J
o-Chlorotoluene	~	~	~	0.18	U	0.16	U	0.0034	U	0.33	U	0.21	U	0.0021	U
o-Xylene	~	~	~	0.088	U	0.079	U	0.00062	J	0.16	U	0.1	U	0.00048	J
p-Chlorotoluene	~	~	~	0.18	U	0.16	U	0.0034	U	0.33	U	0.21	U	0.0021	U
p-Diethylbenzene	~	~	~	0.18	U	0.16	U	0.0034	U	0.33	U	0.21	U	0.0021	U
p-Ethyltoluene	~	~	~	0.18	U	0.16	U	0.0034	U	0.33	U	0.21	U	0.0021	U
p-Isopropyltoluene	~	~	~	0.088	U	0.079	U	0.0017	U	0.16	U	0.1	U	0.0011	U
p/m-Xylene	~	~	~	0.18	U	0.16	U	0.0034	U	0.33	U	0.21	U	0.0021	U
sec-Butylbenzene	11	500	11	0.088	U	0.079	U	0.0017	U	0.16	U	0.1	U	0.0024	U
Styrene	~	~	~	0.088	U	0.079	U	0.0017	U	0.16	U	0.1	U	0.0011	U
tert-Butylbenzene	5.9	500	5.9	0.18	U	0.16	U	0.00045	J	0.33	U	0.21	U	0.0064	U
Tetrachloroethene	1.3	150	1.3	3.6	U	3.3	U	0.00089	U	20	U	0.43	U	0.0012	U
Toluene	0.7	500	0.7	0.088	U	0.079	U	0.0017	U	0.16	U	0.1	U	0.0011	U
trans-1,2-Dichloroethene	0.19	500	0.19	0.13	U	0.12	U	0.0026	U	0.24	U	0.42	U	0.0016	U
trans-1,3-Dichloropropene	~	~	~	0.088	U	0.079	U	0.0017	U	0.16	U	0.1	U	0.0011	U
trans-1,4-Dichloro-2-butene	~	~	~	0.44	U	0.4	U	0.0086	U	0.82	U	0.52	U	0.0053	U
Trichloroethene	0.47	200	0.47	10	U	15	U	0.002	U	55	E	4.4	U	0.00053	U
Trichlorofluoromethane	~	~	~	0.35	U	0.32	U	0.0068	U	0.65	U	0.41	U	0.0043	U
Vinyl acetate	~	~	~	0.88	U	0.79	U	0.017	U	1.6	U	1	U	0.011	U
Vinyl chloride	0.02	13	0.02	0.088	U	0.079	U	0.02	U	0.16	U	0.58	U	0.00081	J
Xylenes, Total	0.260	500	1.600	0.088	U	0.079	U	0.00062	J	0.16	U	0.1	U	0.00048	J

TABLE NOTES:

	Analyte exceeds the NYSDEC Part 375 Unrestricted Use SCO.
	Analyte exceeds the NYSDEC Part 375 Unrestricted Use, Restricted-Commercial Use, and Protection of Groundwater SCOs.
	Analyte exceeds the NYSDEC Part 375 Unrestricted Use and Protection of Groundwater SCOs.

- U : Not detected at the reported detection limit for the sample.
- D: Result is from an analysis that required a dilution
- J: Analyte detected at or above the method detection limit but below the reporting limit.
- B: Analyte found in the analysis batch blank
- E: Result is estimated and cannot be accurately reported due to levels encountered or interferences
- mg/kg: Milligrams per Kilogram.
- : No Standards or Guidance Value.

Table 2 - Volatile Organic Compounds in Soil  
Remedial Investigation Report

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

LOCATION SAMPLING DATE LAB SAMPLE ID SAMPLE TYPE	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Commercial	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	SB-05 (3') 7/28/2025 L2547120-20 Soil		SB-05 (9') 7/28/2025 L2547120-22 Soil		SB-05 (13') 7/28/2025 L2547120-23 Soil		SB-06 (3') 7/25/2025 L2546920-31 Soil		SB-06 (9') 7/25/2025 L2546920-33 Soil		SB-06 (14') 7/25/2025 L2546920-34 Soil	
				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
				Volatile Organics by EPA 5035 (mg/kg)											
1,1,1,2-Tetrachloroethane	~	~	~	0.00091	U	0.00072	U	0.00072	U	0.04	U	0.00069	U	0.0008	U
1,1,1-Trichloroethane	0.680	500	0.680	0.00091	U	0.00072	U	0.00072	U	0.04	U	0.00069	U	0.0008	U
1,1,2,2-Tetrachloroethane	~	~	~	0.00091	U	0.00072	U	0.00072	U	0.04	U	0.00069	U	0.0008	U
1,1,2-Trichloroethane	~	~	~	0.0018	U	0.0014	U	0.0014	U	0.079	U	0.0014	U	0.0016	U
1,1-Dichloroethane	0.27	240	0.27	0.0018	U	0.0014	U	0.0014	U	0.079	U	0.0014	U	0.0016	U
1,1-Dichloroethane, Total	0.330	500	0.330	0.0018	U	0.0014	U	0.0014	U	0.079	U	0.0014	U	0.0016	U
1,1-Dichloropropene	~	~	~	0.00091	U	0.00072	U	0.00072	U	0.04	U	0.00069	U	0.0008	U
1,2,3-Trichlorobenzene	~	~	~	0.0036	U	0.0029	U	0.0029	U	0.16	U	0.0028	U	0.0032	U
1,2,3-Trichloropropane	~	~	~	0.0036	U	0.0029	U	0.0029	U	0.16	U	0.0028	U	0.0032	U
1,2,4,5-Tetramethylbenzene	~	~	~	0.0036	U	0.0029	U	0.0026	J	0.16	U	0.0028	U	0.0032	U
1,2,4-Trichlorobenzene	~	~	~	0.0036	U	0.0029	U	0.0029	U	0.16	U	0.0028	U	0.0032	U
1,2,4-Trimethylbenzene	3.6	190	3.6	0.0036	U	0.0029	U	0.00051	J	0.16	U	0.0028	U	0.0032	U
1,2-Dibromo-3-chloropropane	~	~	~	0.0055	U	0.0043	U	0.0043	U	0.24	U	0.0041	U	0.0048	U
1,2-Dibromoethane	~	~	~	0.0018	U	0.0014	U	0.0014	U	0.079	U	0.0014	U	0.0016	U
1,2-Dichlorobenzene	1.1	500	1.1	0.0036	U	0.0029	U	0.0029	U	0.16	U	0.0028	U	0.0032	U
1,2-Dichloroethane	0.020	30	0.020	0.0018	U	0.0014	U	0.0014	U	0.079	U	0.0014	U	0.0016	U
1,2-Dichloroethane, Total	~	~	~	0.0018	U	0.0014	U	0.0039		1	J	0.0029		0.0016	U
1,2-Dichloropropane	~	~	~	0.0018	U	0.0014	U	0.0014	U	0.079	U	0.0014	U	0.0016	U
1,3,5-Trimethylbenzene	8.400	190	8.400	0.0036	U	0.0029	U	0.0029	U	0.16	U	0.0028	U	0.0032	U
1,3-Dichlorobenzene	2.400	280	2.400	0.0036	U	0.0029	U	0.0029	U	0.16	U	0.0028	U	0.0032	U
1,3-Dichloropropane	~	~	~	0.0036	U	0.0029	U	0.0029	U	0.16	U	0.0028	U	0.0032	U
1,3-Dichloropropene, Total	~	~	~	0.00091	U	0.00072	U	0.00072	U	0.04	U	0.00069	U	0.0008	U
1,4-Dichlorobenzene	1.800	130.000	1.800	0.0036	U	0.0029	U	0.0029	U	0.16	U	0.0028	U	0.0032	U
1,4-Dioxane	0.1	130	0.1	0.15	U	0.12	U	0.12	U	6.4	U	0.11	U	0.13	U
2,2-Dichloropropane	~	~	~	0.0036	U	0.0029	U	0.0029	U	0.16	U	0.0028	U	0.0032	U
2-Butanone	0.12	500	0.12	0.018	U	0.014	U	0.024	U	0.79	U	0.014	U	0.0076	J
2-Hexanone	~	~	~	0.018	U	0.014	U	0.014	U	0.79	U	0.014	U	0.016	U
4-Methyl-2-pentanone	~	~	~	0.018	U	0.014	U	0.014	U	0.79	U	0.014	U	0.016	U
Acetone	0.05	500	0.05	0.018	U	0.023		0.052		0.79	U	0.014	U	0.018	
Acrylonitrile	~	~	~	0.0073	U	0.0058	U	0.0058	U	0.32	U	0.0055	U	0.0064	U
Benzene	0.0600	44	0.0600	0.00091	U	0.00072	U	0.00072	U	0.04	U	0.00069	U	0.0008	U
Bromobenzene	~	~	~	0.0036	U	0.0029	U	0.0029	U	0.16	U	0.0028	U	0.0032	U
Bromochloromethane	~	~	~	0.0036	U	0.0029	U	0.0029	U	0.16	U	0.0028	U	0.0032	U
Bromodichloromethane	~	~	~	0.00091	U	0.00072	U	0.00072	U	0.04	U	0.00069	U	0.0008	U
Bromoform	~	~	~	0.0073	U	0.0058	U	0.0058	U	0.32	U	0.0055	U	0.0064	U
Bromomethane	~	~	~	0.0036	U	0.0029	U	0.0029	U	0.16	U	0.0028	U	0.0032	U
Carbon disulfide	~	~	~	0.018	U	0.014	U	0.014	U	0.79	U	0.014	U	0.016	U
Carbon tetrachloride	0.76	22	0.76	0.0018	U	0.0014	U	0.0014	U	0.079	U	0.0014	U	0.0016	U
Chlorobenzene	1.1	500	1.1	0.00091	U	0.00072	U	0.00072	U	0.04	U	0.00069	U	0.0008	U
Chloroethane	~	~	~	0.0036	U	0.0029	U	0.0029	U	0.16	U	0.0028	U	0.0032	U
Chloroform	0.370	350.000	0.370	0.0027	U	0.0022	U	0.0022	U	0.017	J	0.0021	U	0.0024	U
Chloromethane	~	~	~	0.0073	U	0.0058	U	0.0058	U	0.32	U	0.0055	U	0.0064	U
cis-1,2-Dichloroethane	0.25	500	0.25	0.0018	U	0.0014	U	0.0039		1		0.0029		0.0016	U
cis-1,3-Dichloropropene	~	~	~	0.00091	U	0.00072	U	0.00072	U	0.04	U	0.00069	U	0.0008	U
Dibromochloromethane	~	~	~	0.0018	U	0.0014	U	0.0014	U	0.079	U	0.0014	U	0.0016	U
Dibromomethane	~	~	~	0.0036	U	0.0029	U	0.0029	U	0.16	U	0.0028	U	0.0032	U
Dichlorodifluoromethane	~	~	~	0.018	U	0.014	U	0.014	U	0.79	U	0.014	U	0.016	U
Ethyl ether	~	~	~	0.0036	U	0.0029	U	0.0029	U	0.16	U	0.0028	U	0.0032	U
Ethylbenzene	1	390	1	0.0018	U	0.0014	U	0.0014	U	0.079	U	0.0014	U	0.0016	U
Hexachlorobutadiene	~	~	~	0.0073	U	0.0058	U	0.0058	U	0.32	U	0.0055	U	0.0064	U
Isopropylbenzene	~	~	~	0.0018	U	0.0014	U	0.0014	U	0.079	U	0.0014	U	0.0016	U
Methyl tert butyl ether	0.93	500	0.93	0.0036	U	0.0029	U	0.0029	U	0.16	U	0.0028	U	0.0032	U
Methylene chloride	0.05	500	0.05	0.0091	U	0.0072	U	0.0072	U	0.4	U	0.0069	U	0.008	U
n-Butylbenzene	12	500	12	0.0018	U	0.0014	U	0.0014	U	0.079	U	0.0014	U	0.0016	U
n-Propylbenzene	3.9	500	3.9	0.0018	U	0.0014	U	0.0014	U	0.079	U	0.0014	U	0.0016	U
Naphthalene	12	500	12	0.0073	U	0.0058	U	0.0043	J	0.32	U	0.0055	U	0.0064	U
o-Chlorotoluene	~	~	~	0.0036	U	0.0029	U	0.0029	U	0.16	U	0.0028	U	0.0032	U
o-Xylene	~	~	~	0.0018	U	0.0014	U	0.0011	J	0.079	U	0.0014	U	0.0016	U
p-Chlorotoluene	~	~	~	0.0036	U	0.0029	U	0.0029	U	0.16	U	0.0028	U	0.0032	U
p-Diethylbenzene	~	~	~	0.0036	U	0.0029	U	0.0029	U	0.16	U	0.0028	U	0.0032	U
p-Ethyltoluene	~	~	~	0.0036	U	0.0029	U	0.0029	U	0.16	U	0.0028	U	0.0032	U
p-Isopropyltoluene	~	~	~	0.0018	U	0.0014	U	0.0014	U	0.079	U	0.0014	U	0.0016	U
p/m-Xylene	~	~	~	0.0036	U	0.0029	U	0.0029	U	0.16	U	0.0028	U	0.0032	U
sec-Butylbenzene	11	500	11	0.0018	U	0.0014	U	0.0008	J	0.079	U	0.0014	U	0.0013	J
Styrene	~	~	~	0.0018	U	0.0014	U	0.0014	U	0.079	U	0.0014	U	0.0016	U
tert-Butylbenzene	5.9	500	5.9	0.0036	U	0.0029	U	0.0014	J	0.16	U	0.0028	U	0.0041	U
Tetrachloroethane	1.3	150	1.3	0.001		0.00072	U	0.00072	U	2.3		0.002		0.0008	U
Toluene	0.7	500	0.7	0.0018	U	0.0014	U	0.0014	U	0.079	U	0.0014	U	0.0016	U
trans-1,2-Dichloroethane	0.19	500	0.19	0.0027	U	0.0022	U	0.0022	U	0.021	J	0.0021	U	0.0024	U
trans-1,3-Dichloropropene	~	~	~	0.0018	U	0.0014	U	0.0014	U	0.079	U	0.0014	U	0.0016	U
trans-1,4-Dichloro-2-butene	~	~	~	0.0091	U	0.0072	U	0.0072	U	0.4	U	0.0069	U	0.008	U
Trichloroethane	0.47	200	0.47	0.0025		0.00072	U	0.00072	U	13		0.0036		0.0008	U
Trichlorofluoromethane	~	~	~	0.0073	U	0.0058	U	0.0058	U	0.32	U	0.0055	U	0.0064	U
Vinyl acetate	~	~	~	0.018	U	0.014	U	0.014	U	0.79	U	0.014	U	0.016	U
Vinyl chloride	0.02	13	0.02	0.0018	U	0.0014	U	0.0085		0.079	U	0.0014	U	0.0016	U
Xylenes, Total	0.260	500													

Table 2 - Volatile Organic Compounds in Soil Remedial Investigation Report

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

LOCATION SAMPLING DATE LAB SAMPLE ID SAMPLE TYPE	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Commercial	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	SB-07 (2') 7/25/2025 L2546920-02 Soil		SB-07 (9') 7/25/2025 L2546920-04 Soil		SB-07 (14') 7/25/2025 L2546920-05 Soil		SB-08 (3') 7/25/2025 L2546920-19 Soil		SB-08 (8') 7/25/2025 L2546920-21 Soil		SB-08 (16') 7/25/2025 L2546920-22 Soil			
				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
				Volatile Organics by EPA 5035 (mg/kg)													
1,1,1,2-Tetrachloroethane	~	~	~	0.0008	U	0.00059	U	0.06	U	0.091	U	0.00066	U	0.00054	U		
1,1,1-Trichloroethane	0.680	500	0.680	0.0003	J	0.00034	J	0.06	U	0.068	J	0.00074	U	0.00054	U		
1,1,2,2-Tetrachloroethane	~	~	~	0.0008	U	0.00059	U	0.06	U	0.091	U	0.00066	U	0.00054	U		
1,1,2-Trichloroethane	~	~	~	0.0015	U	0.0012	U	0.12	U	0.18	U	0.0013	U	0.0011	U		
1,1-Dichloroethane	0.27	240	0.27	0.0015	U	0.0012	U	0.12	U	0.18	U	0.0013	U	0.0023	U		
1,1-Dichloroethane	0.330	500	0.330	0.0015	U	0.0012	U	0.12	U	0.18	U	0.0013	U	0.0076	U		
1,1-Dichloropropene	~	~	~	0.0008	U	0.00059	U	0.06	U	0.091	U	0.00066	U	0.00054	U		
1,2,3-Trichlorobenzene	~	~	~	0.0030	U	0.0024	U	0.24	U	0.36	U	0.0026	U	0.0021	U		
1,2,3-Trichloropropene	~	~	~	0.0030	U	0.0024	U	0.24	U	0.36	U	0.0026	U	0.0021	U		
1,2,4,5-Tetramethylbenzene	~	~	~	0.0030	U	0.0024	U	0.28	U	0.36	U	0.0026	U	0.0044	U		
1,2,4-Trichlorobenzene	~	~	~	0.0030	U	0.0024	U	0.24	U	0.36	U	0.0026	U	0.0027	U		
1,2,4-Trimethylbenzene	3.6	190	3.6	0.0030	U	0.00049	J	0.87	U	0.36	U	0.0026	U	0.048	U		
1,2-Dibromo-3-chloropropane	~	~	~	0.0045	U	0.0036	U	0.36	U	0.55	U	0.0039	U	0.0032	U		
1,2-Dibromoethane	~	~	~	0.0015	U	0.0012	U	0.12	U	0.18	U	0.0013	U	0.0011	U		
1,2-Dichlorobenzene	1.1	500	1.1	0.0030	U	0.0024	U	0.24	U	0.36	U	0.0026	U	0.0041	U		
1,2-Dichloroethane	0.020	30	0.020	0.0015	U	0.0012	U	0.12	U	0.18	U	0.0013	U	0.0011	U		
1,2-Dichloroethane, Total	~	~	~	0.0015	U	0.00084	J	0.12	U	0.44	U	0.014	J	3.4	U		
1,2-Dichloropropene	~	~	~	0.0015	U	0.0012	U	0.12	U	0.18	U	0.0013	U	0.0011	U		
1,3,5-Trimethylbenzene	8.400	190	8.400	0.0005	J	0.0012	J	0.34	U	0.36	U	0.0026	U	0.017	U		
1,3-Dichlorobenzene	2.400	280	2.400	0.0030	U	0.0024	U	0.24	U	0.36	U	0.0026	U	0.0021	U		
1,3-Dichloropropene	~	~	~	0.0030	U	0.0024	U	0.24	U	0.36	U	0.0026	U	0.0021	U		
1,3-Dichloropropene, Total	~	~	~	0.0008	U	0.00059	U	0.06	U	0.091	U	0.00066	U	0.00054	U		
1,4-Dichlorobenzene	1.800	130.000	1.800	0.0030	U	0.0024	U	0.24	U	0.36	U	0.0026	U	0.00035	J		
1,4-Dioxane	0.1	130	0.1	0.1200	U	0.095	U	9.6	U	15	U	0.1	U	0.086	U		
2,2-Dichloropropene	~	~	~	0.0030	U	0.0024	U	0.24	U	0.36	U	0.0026	U	0.0021	U		
2-Butanone	0.12	500	0.12	0.0150	U	0.0062	J	1.2	U	1.8	U	0.013	U	0.006	J		
2-Hexanone	~	~	~	0.0150	U	0.012	U	1.2	U	1.8	U	0.013	U	0.011	U		
4-Methyl-2-pentanone	~	~	~	0.0150	U	0.012	U	1.2	U	1.8	U	0.013	U	0.011	U		
Acetone	0.05	500	0.05	0.0150	U	0.076	U	1.2	U	1.8	U	0.013	U	0.04	U		
Acrylonitrile	~	~	~	0.0060	U	0.0048	U	0.48	U	0.73	U	0.0052	U	0.0043	U		
Benzene	0.0600	44	0.0600	0.0008	U	0.00043	J	0.14	U	0.091	U	0.00034	J	0.0035	U		
Bromobenzene	~	~	~	0.0030	U	0.0024	U	0.24	U	0.36	U	0.0026	U	0.0021	U		
Bromochloromethane	~	~	~	0.0030	U	0.0024	U	0.24	U	0.36	U	0.0026	U	0.0021	U		
Bromodichloromethane	~	~	~	0.0008	U	0.00059	U	0.06	U	0.091	U	0.00066	U	0.00054	U		
Bromoform	~	~	~	0.0060	U	0.0048	U	0.48	U	0.73	U	0.0052	U	0.0043	U		
Bromomethane	~	~	~	0.0030	U	0.0024	U	0.24	U	0.36	U	0.0026	U	0.0021	U		
Carbon disulfide	~	~	~	0.0150	U	0.012	U	1.2	U	1.8	U	0.013	U	0.018	U		
Carbon tetrachloride	0.76	22	0.76	0.0015	U	0.0012	U	0.12	U	0.18	U	0.0013	U	0.0011	U		
Chlorobenzene	1.1	500	1.1	0.0008	U	0.00059	U	0.06	U	0.091	U	0.00066	U	0.00054	U		
Chloroethane	~	~	~	0.0030	U	0.0024	U	0.24	U	0.36	U	0.0026	U	0.0021	U		
Chloroform	0.370	350.000	0.370	0.0003	J	0.00038	J	0.18	U	0.053	J	0.00044	J	0.0016	U		
Chloromethane	~	~	~	0.0060	U	0.0048	U	0.48	U	0.73	U	0.0052	U	0.0043	U		
cis-1,2-Dichloroethane	0.25	500	0.25	0.0015	U	0.00084	J	0.12	U	0.44	U	0.014	U	3.5	E		
cis-1,3-Dichloropropene	~	~	~	0.0008	U	0.00059	U	0.06	U	0.091	U	0.00066	U	0.00054	U		
Dibromochloromethane	~	~	~	0.0015	U	0.0012	U	0.12	U	0.18	U	0.0013	U	0.0011	U		
Dibromomethane	~	~	~	0.0030	U	0.0024	U	0.24	U	0.36	U	0.0026	U	0.0021	U		
Dichlorodifluoromethane	~	~	~	0.0150	U	0.012	U	1.2	U	1.8	U	0.013	U	0.011	U		
Ethyl ether	~	~	~	0.0030	U	0.0024	U	0.24	U	0.36	U	0.0026	U	0.0021	U		
Ethylbenzene	1	390	1	0.0015	U	0.0012	U	0.047	J	0.18	U	0.0013	U	0.11	U		
Hexachlorobutadiene	~	~	~	0.0060	U	0.0048	U	0.48	U	0.73	U	0.0052	U	0.00026	J		
Isopropylbenzene	~	~	~	0.0015	U	0.0012	U	0.12	U	0.18	U	0.0013	U	0.013	U		
Methyl tert butyl ether	0.93	500	0.93	0.0030	U	0.0024	U	0.24	U	0.36	U	0.0026	U	0.0021	U		
Methylene chloride	0.05	500	0.05	0.0075	U	0.0059	U	0.6	U	0.93	U	0.0066	U	0.0054	U		
n-Butylbenzene	12	500	12	0.0015	U	0.0012	U	0.12	U	0.18	U	0.0013	U	0.0097	U		
n-Propylbenzene	3.9	500	3.9	0.0015	U	0.0012	U	0.12	U	0.18	U	0.0013	U	0.0089	U		
Naphthalene	12	500	12	0.0012	J	0.0097	U	1200	U	0.73	U	0.0027	J	0.0036	J		
o-Chlorotoluene	~	~	~	0.0030	U	0.0024	U	0.24	U	0.36	U	0.0026	U	0.0021	U		
o-Xylene	~	~	~	0.0015	U	0.0012	U	0.12	U	0.18	U	0.0013	U	0.081	U		
p-Chlorotoluene	~	~	~	0.0030	U	0.0024	U	0.24	U	0.36	U	0.0026	U	0.0021	U		
p-Diethylbenzene	~	~	~	0.0030	U	0.0024	U	0.24	U	0.36	U	0.0026	U	0.0021	U		
p-Ethyltoluene	~	~	~	0.0030	U	0.0024	U	0.14	J	0.36	U	0.0026	U	0.02	U		
p-Isopropyltoluene	~	~	~	0.0015	U	0.0012	U	0.028	J	0.18	U	0.0013	U	0.01	U		
p/m-Xylene	~	~	~	0.0030	U	0.0024	U	0.31	U	0.36	U	0.0026	U	0.22	U		
sec-Butylbenzene	11	500	11	0.0015	U	0.0012	U	0.12	U	0.18	U	0.0013	U	0.018	U		
Styrene	~	~	~	0.0015	U	0.0012	U	0.16	U	0.18	U	0.0013	U	0.0011	U		
tert-Butylbenzene	5.9	500	5.9	0.0030	U	0.0024	U	0.24	U	0.36	U	0.0026	U	0.0032	U		
Tetrachloroethane	1.3	150	1.3	0.0008	U	0.00039	J	0.06	U	19	U	0.12	U	0.014	U		
Toluene	0.7	500	0.7	0.0015	U	0.0015	U	0.2	U	0.18	U	0.0013	U	0.085	U		
trans-1,2-Dichloroethane	0.19	500	0.19	0.0022	U	0.0018	U	0.18	U	0.27	U	0.00027	J	0.0076	U		
trans-1,3-Dichloropropene	~	~	~	0.0015	U	0.0012	U	0.12	U	0.18	U	0.0013	U	0.0011	U		
trans-1,4-Dichloro-2-butene	~	~	~	0.0075	U	0.0059	U	0.6	U	0.91	U	0.0066	U	0.0054	U		
Trichloroethane	0.47	200	0.47	0.0160	U	0.018	U	0.06	U	86	U	0.26	U	0.0091	U		
Trichlorofluoromethane	~	~	~	0.0060	U	0.0048	U	0.48	U	0.73	U	0.0052	U	0.0043	U		
Vinyl acetate	~	~	~	0.0150	U	0.012	U	1.2	U	1.8	U	0.013	U	0.011	U		
Vinyl chloride	0.02	13	0.02	0.0015	U	0.0012	U	0.12	U	0.18	U	0.0013	U	0.99	E		
Xylenes, Total	0.260	500	1.600	0.0015	U	0.0012	U	0.43	U	0.18	U	0.0013	U	0.3	U		

TABLE NOTES:

	Analyte exceeds the NYSDEC Part 375 Unrestricted Use SCO.
	Analyte exceeds the NYSDEC Part 375 Unrestricted Use, Restricted-Commercial Use, and Protection of Groundwater SCOs.
	Analyte exceeds the NYSDEC Part 375 Unrestricted Use and Protection of Groundwater SCOs.

- U : Not detected at the reported detection limit for the sample.
- D: Result is from an analysis that required a dilution
- J: Analyte detected at or above the method detection limit but below the reporting limit.
- B: Analyte found in the analysis batch blank
- E: Result is estimated and cannot be accurately reported due to levels encountered or interferences
- mg/kg: Milligrams per Kilogram.
- ~ : No Standards or Guidance Value.

Table 2 - Volatile Organic Compounds in Soil  
Remedial Investigation Report

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

LOCATION SAMPLING DATE LAB SAMPLE ID SAMPLE TYPE	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Commercial	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	SB-09 (3')		SB-09 (9')		SB-09 (14')		SB-10 (3')		SB-10 (9')		SB-10 (15')	
				7/28/2025		7/28/2025		7/28/2025		7/25/2025		7/25/2025		7/25/2025	
				L2547120-02 Soil		L2547120-04 Soil		L2547120-06 Soil		L2546920-09 Soil		L2546920-11 Soil		L2546920-12 Soil	
Volatile Organics by EPA 5035 (mg/kg)				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
1,1,1,2-Tetrachloroethane	~	~	~	0.044	U	0.00076	U	0.32	U	0.00069	U	0.00056	U	0.00059	U
1,1,1-Trichloroethane	0.680	500	0.680	0.044	U	0.00076	U	0.32	U	0.00069	U	0.00056	U	0.00059	U
1,1,2,2-Tetrachloroethane	~	~	~	0.044	U	0.00076	U	0.32	U	0.00069	U	0.00056	U	0.00059	U
1,1,2-Trichloroethane	~	~	~	0.088	U	0.0015	U	0.63	U	0.0014	U	0.0011	U	0.0012	U
1,1-Dichloroethane	0.27	240	0.27	0.088	U	0.0015	U	0.63	U	0.0014	U	0.0011	U	0.00074	J
1,1-Dichloroethane	0.330	500	0.330	0.088	U	0.0015	U	0.63	U	0.0014	U	0.0011	U	0.0012	U
1,1-Dichloropropene	~	~	~	0.044	U	0.00076	U	0.32	U	0.00069	U	0.00056	U	0.00059	U
1,2,3-Trichlorobenzene	~	~	~	0.18	U	0.0031	U	1.3	U	0.0028	U	0.0022	U	0.0024	U
1,2,3-Trichloropropane	~	~	~	0.18	U	0.0031	U	1.3	U	0.0028	U	0.0022	U	0.0024	U
1,2,4,5-Tetramethylbenzene	~	~	~	0.18	U	0.0031	U	0.32	J	0.0028	U	0.0022	U	0.0024	U
1,2,4-Trichlorobenzene	~	~	~	0.18	U	0.0031	U	1.3	U	0.0028	U	0.0022	U	0.0024	U
1,2,4-Trimethylbenzene	3.6	190	3.6	0.18	U	0.0031	U	0.75	J	0.0028	U	0.0022	U	0.0024	U
1,2-Dibromo-3-chloropropane	~	~	~	0.26	U	0.0046	U	1.9	U	0.0041	U	0.0034	U	0.0035	U
1,2-Dibromoethane	~	~	~	0.088	U	0.0015	U	0.63	U	0.0014	U	0.0011	U	0.0012	U
1,2-Dichlorobenzene	1.1	500	1.1	0.18	U	0.0031	U	1.3	U	0.0028	U	0.0022	U	0.0024	U
1,2-Dichloroethane	0.020	30	0.020	0.088	U	0.0015	U	0.63	U	0.0014	U	0.0011	U	0.0012	U
1,2-Dichloroethane, Total	~	~	~	0.95	J	0.0094	J	0.63	U	0.016		0.0029	J	0.018	
1,2-Dichloropropane	~	~	~	0.088	U	0.0015	U	0.63	U	0.0014	U	0.0011	U	0.0012	U
1,3,5-Trimethylbenzene	8.400	190	8.400	0.18	U	0.0031	U	0.33	J	0.0028	U	0.0022	U	0.0024	U
1,3-Dichlorobenzene	2.400	280	2.400	0.18	U	0.0031	U	1.3	U	0.0028	U	0.0022	U	0.0024	U
1,3-Dichloropropane	~	~	~	0.18	U	0.0031	U	1.3	U	0.0028	U	0.0022	U	0.0024	U
1,3-Dichloropropene, Total	~	~	~	0.044	U	0.00076	U	0.32	U	0.00069	U	0.00056	U	0.00059	U
1,4-Dichlorobenzene	1.800	130.000	1.800	0.18	U	0.0031	U	1.3	U	0.0028	U	0.0022	U	0.0024	U
1,4-Dioxane	0.1	130	0.1	7	U	0.12	U	51	U	0.11	U	0.089	U	0.094	U
2,2-Dichloropropane	~	~	~	0.18	U	0.0031	U	1.3	U	0.0028	U	0.0022	U	0.0024	U
2-Butanone	0.12	500	0.12	0.88	U	0.015	U	6.3	U	0.014	U	0.011	U	0.012	U
2-Hexanone	~	~	~	0.88	U	0.015	U	6.3	U	0.014	U	0.011	U	0.012	U
4-Methyl-2-pentanone	~	~	~	0.88	U	0.015	U	6.3	U	0.014	U	0.011	U	0.012	U
Acetone	0.05	500	0.05	0.88	U	0.015	U	6.3	U	0.014	U	0.011	U	0.012	U
Acrylonitrile	~	~	~	0.35	U	0.0061	U	2.5	U	0.0055	U	0.0045	U	0.0047	U
Benzene	0.0600	44	0.0600	0.044	U	0.00076	U	0.32	U	0.00069	U	0.00056	U	0.00098	U
Bromobenzene	~	~	~	0.18	U	0.0031	U	1.3	U	0.0028	U	0.0022	U	0.0024	U
Bromochloromethane	~	~	~	0.18	U	0.0031	U	1.3	U	0.0028	U	0.0022	U	0.0024	U
Bromodichloromethane	~	~	~	0.044	U	0.00076	U	0.32	U	0.00069	U	0.00056	U	0.00059	U
Bromoform	~	~	~	0.35	U	0.0061	U	2.5	U	0.0055	U	0.0045	U	0.0047	U
Bromomethane	~	~	~	0.18	U	0.0031	U	1.3	U	0.0028	U	0.0022	U	0.0024	U
Carbon disulfide	~	~	~	0.88	U	0.015	U	6.3	U	0.014	U	0.011	U	0.012	U
Carbon tetrachloride	0.76	22	0.76	0.088	U	0.0015	U	0.63	U	0.0014	U	0.0011	U	0.0012	U
Chlorobenzene	1.1	500	1.1	0.044	U	0.00076	U	0.32	U	0.00069	U	0.00056	U	0.00059	U
Chloroethane	~	~	~	0.18	U	0.0031	U	1.3	U	0.0028	U	0.0022	U	0.0024	U
Chloroform	0.370	350.000	0.370	0.026	J	0.0023	U	0.95	U	0.0021	U	0.0017	U	0.0018	U
Chloromethane	~	~	~	0.35	U	0.0061	U	2.5	U	0.0055	U	0.0045	U	0.0047	U
cis-1,2-Dichloroethane	0.25	500	0.25	0.93	U	0.0091		0.63	U	0.016		0.0026		0.018	
cis-1,3-Dichloropropene	~	~	~	0.044	U	0.00076	U	0.32	U	0.00069	U	0.00056	U	0.00059	U
Dibromochloromethane	~	~	~	0.088	U	0.0015	U	0.63	U	0.0014	U	0.0011	U	0.0012	U
Dibromomethane	~	~	~	0.18	U	0.0031	U	1.3	U	0.0028	U	0.0022	U	0.0024	U
Dichlorodifluoromethane	~	~	~	0.88	U	0.015	U	6.3	U	0.014	U	0.011	U	0.012	U
Ethyl ether	~	~	~	0.18	U	0.0031	U	1.3	U	0.0028	U	0.0022	U	0.0024	U
Ethylbenzene	1	390	1	0.038	J	0.0004	J	0.11	J	0.0014	U	0.0011	U	0.0012	U
Hexachlorobutadiene	~	~	~	0.35	U	0.0061	U	2.5	U	0.0055	U	0.0045	U	0.0047	U
Isopropylbenzene	~	~	~	0.088	U	0.0015	U	0.63	U	0.0014	U	0.0011	U	0.0012	U
Methyl tert butyl ether	0.93	500	0.93	0.18	U	0.0031	U	1.3	U	0.0028	U	0.0022	U	0.0024	U
Methylene chloride	0.05	500	0.05	0.44	U	0.0076	U	3.2	U	0.0069	U	0.0056	U	0.0059	U
n-Butylbenzene	12	500	12	0.088	U	0.0015	U	0.63	U	0.0014	U	0.0011	U	0.0012	U
n-Propylbenzene	3.9	500	3.9	0.088	U	0.0015	U	0.63	U	0.0014	U	0.0011	U	0.0012	U
Naphthalene	12	500	12	0.066	J	0.0061	U	380	U	0.0055	U	0.0045	U	0.0047	U
o-Chlorotoluene	~	~	~	0.18	U	0.0031	U	1.3	U	0.0028	U	0.0022	U	0.0024	U
o-Xylene	~	~	~	0.083	J	0.0015	U	0.63	U	0.0014	U	0.0011	U	0.0012	U
p-Chlorotoluene	~	~	~	0.18	U	0.0031	U	1.3	U	0.0028	U	0.0022	U	0.0024	U
p-Diethylbenzene	~	~	~	0.18	U	0.0031	U	1.3	U	0.0028	U	0.0022	U	0.0024	U
p-Ethyltoluene	~	~	~	0.18	U	0.0031	U	0.27	J	0.0028	U	0.0022	U	0.0024	U
p-Isopropyltoluene	~	~	~	0.088	U	0.0015	U	0.63	U	0.0014	U	0.0011	U	0.0012	U
p/m-Xylene	~	~	~	0.18	U	0.0031	U	1.3	U	0.0028	U	0.0022	U	0.0024	U
sec-Butylbenzene	11	500	11	0.088	U	0.0015	U	0.63	U	0.0014	U	0.0011	U	0.0012	U
Styrene	~	~	~	0.088	U	0.0015	U	0.63	U	0.0014	U	0.0011	U	0.0012	U
tert-Butylbenzene	5.9	~	5.9	0.18	U	0.0031	U	1.3	U	0.0028	U	0.0022	U	0.00056	J
Tetrachloroethane	1.3	150	1.3	5.4		0.014		0.32	U	0.017		0.011		0.00025	J
Toluene	0.7	500	0.7	0.5		0.0016		0.63	U	0.0014	U	0.0011	U	0.0012	U
trans-1,2-Dichloroethane	0.19	500	0.19	0.023	J	0.0003	J	0.95	U	0.0021	U	0.00025	J	0.0018	U
trans-1,3-Dichloropropene	~	~	~	0.088	U	0.0015	U	0.63	U	0.0014	U	0.0011	U	0.0012	U
trans-1,4-Dichloro-2-butene	~	~	~	0.44	U	0.0076	U	3.2	U	0.0069	U	0.0056	U	0.0059	U
Trichloroethane	0.47	200	0.47	22		0.021		0.32	U	0.097		0.0067		0.00059	U
Trichlorofluoromethane	~	~	~	0.35	U	0.0061	U	2.5	U	0.0055	U	0.0045	U	0.0047	U
Vinyl acetate	~	~	~	0.88	U	0.015	U	6.3	U	0.014	U	0.011	U	0.012	U
Vinyl chloride	0.02	13	0.02	0.088	U	0.0015	U	0.63	U	0.0014	U	0.0011	U	0.91	E
XYlenes, Total	0.260	500	1.600	0.26	J	0.0011	J	0.63	U	0.0014	U	0.0011	U	0.00	

Table 2 - Volatile Organic Compounds in Soil  
Remedial Investigation Report

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

LOCATION SAMPLING DATE LAB SAMPLE ID SAMPLE TYPE	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Commercial	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	SB-11 (1')		SB-11 (8')		SB-11 (14')		07.25.25_DUP 7/25/2025 L2546920-07		FIELD DUPLICATE_07282025 7/28/2025 L2547120-24	
				Soil		Soil		Soil		Soil		Soil	
				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
<b>Volatile Organics by EPA 5035 (mg/kg)</b>										*SB-07 (2') Dup		*SB-05 (3') Dup	
1,1,1,2-Tetrachloroethane	~	~	~	0.00065	U	0.043	U	0.0007	U	0.00043	U	0.00079	U
1,1,1-Trichloroethane	0.680	500	0.680	0.00066		0.043	U	0.0007	U	0.00043	U	0.00079	U
1,1,2,2-Tetrachloroethane	~	~	~	0.00065	U	0.043	U	0.0007	U	0.00043	U	0.00079	U
1,1,2-Trichloroethane	~	~	~	0.0013	U	0.086	U	0.0014	U	0.00086	U	0.0016	U
1,1-Dichloroethane	0.27	240	0.27	0.00061	J	0.086	U	0.0014	U	0.00086	U	0.0016	U
1,1-Dichloroethene	0.330	500	0.330	0.0013	U	0.086	U	0.0014	U	0.00086	U	0.0016	U
1,1-Dichloropropene	~	~	~	0.00065	U	0.043	U	0.0007	U	0.00043	U	0.00079	U
1,2,3-Trichlorobenzene	~	~	~	0.00049	J	0.17	U	0.0028	U	0.0017	U	0.0032	U
1,2,3-Trichloropropane	~	~	~	0.0026	U	0.17	U	0.0028	U	0.0017	U	0.0032	U
1,2,4,5-Tetramethylbenzene	~	~	~	0.0026	U	0.17	U	0.0058	U	0.0017	U	0.0032	U
1,2,4-Trichlorobenzene	~	~	~	0.0026	U	0.17	U	0.0028	U	0.0017	U	0.0032	U
1,2,4-Trimethylbenzene	3.6	190	3.6	0.00043	J	0.17	U	0.0045	U	0.0017	U	0.0032	U
1,2-Dibromo-3-chloropropane	~	~	~	0.0039	U	0.26	U	0.0042	U	0.0026	U	0.0048	U
1,2-Dibromoethane	~	~	~	0.0013	U	0.086	U	0.0014	U	0.00086	U	0.0016	U
1,2-Dichlorobenzene	1.1	500	1.1	0.0026	U	0.17	U	0.0028	U	0.0017	U	0.0032	U
1,2-Dichloroethane	0.020	30	0.020	0.0013	U	0.086	U	0.0014	U	0.00086	U	0.0016	U
1,2-Dichloroethene, Total	~	~	~	0.1	J	1.9		0.0039		0.00086	U	0.0016	U
1,2-Dichloropropane	~	~	~	0.0013	U	0.086	U	0.0014	U	0.00086	U	0.0016	U
1,3,5-Trimethylbenzene	8.400	190	8.400	0.00079	J	0.17	U	0.0022	J	0.0017	U	0.0032	U
1,3-Dichlorobenzene	2.400	280	2.400	0.0026	U	0.17	U	0.0028	U	0.0017	U	0.0032	U
1,3-Dichloropropane	~	~	~	0.0026	U	0.17	U	0.0028	U	0.0017	U	0.0032	U
1,3-Dichloropropene, Total	~	~	~	0.00065	U	0.043	U	0.0007	U	0.00043	U	0.00079	U
1,4-Dichlorobenzene	1.800	130.000	1.800	0.0026	U	0.17	U	0.0028	U	0.0017	U	0.0032	U
1,4-Dioxane	0.1	130	0.1	0.1	U	6.9	U	0.11	U	0.068	U	0.13	U
2,2-Dichloropropane	~	~	~	0.0026	U	0.17	U	0.0028	U	0.0017	U	0.0032	U
2-Butanone	0.12	500	0.12	0.013	U	0.86	U	0.0087	J	0.0086	U	0.016	U
2-Hexanone	~	~	~	0.013	U	0.86	U	0.014	U	0.0086	U	0.016	U
4-Methyl-2-pentanone	~	~	~	0.013	U	0.86	U	0.014	U	0.0086	U	0.016	U
Acetone	0.05	500	0.05	0.013	U	0.86	U	0.041	U	0.0086	U	0.016	U
Acrylonitrile	~	~	~	0.0052	U	0.35	U	0.0056	U	0.0034	U	0.0064	U
Benzene	0.0600	44	0.0600	0.00065	U	0.043	U	0.011		0.00043	U	0.00079	U
Bromobenzene	~	~	~	0.0026	U	0.17	U	0.0028	U	0.0017	U	0.0032	U
Bromochloromethane	~	~	~	0.0026	U	0.17	U	0.0028	U	0.0017	U	0.0032	U
Bromodichloromethane	~	~	~	0.00065	U	0.043	U	0.0007	U	0.00043	U	0.00079	U
Bromoform	~	~	~	0.0052	U	0.35	U	0.0056	U	0.0034	U	0.0064	U
Bromomethane	~	~	~	0.0026	U	0.17	U	0.0028	U	0.0017	U	0.0032	U
Carbon disulfide	~	~	~	0.013	U	0.86	U	0.035		0.0086	U	0.016	U
Carbon tetrachloride	0.76	22	0.76	0.0013	U	0.086	U	0.0014	U	0.00086	U	0.0016	U
Chlorobenzene	1.1	500	1.1	0.00065	U	0.043	U	0.0007	U	0.00043	U	0.00079	U
Chloroethane	~	~	~	0.0026	U	0.17	U	0.0028	U	0.0017	U	0.0032	U
Chloroform	0.370	350.000	0.370	0.0039	U	0.14	J	0.0021	U	0.0013	U	0.0024	U
Chloromethane	~	~	~	0.0052	U	0.35	U	0.0056	U	0.0034	U	0.0064	U
cis-1,2-Dichloroethane	0.25	500	0.25	0.099		1.9		0.0039		0.00086	U	0.0016	U
cis-1,3-Dichloropropene	~	~	~	0.00065	U	0.043	U	0.0007	U	0.00043	U	0.00079	U
Dibromochloromethane	~	~	~	0.0013	U	0.086	U	0.0014	U	0.00086	U	0.0016	U
Dibromomethane	~	~	~	0.0026	U	0.17	U	0.0028	U	0.0017	U	0.0032	U
Dichlorodifluoromethane	~	~	~	0.013	U	0.86	U	0.014	U	0.0086	U	0.016	U
Ethyl ether	~	~	~	0.0026	U	0.17	U	0.0028	U	0.0017	U	0.0032	U
Ethylbenzene	1	390	1	0.0013	U	0.086	U	0.0023		0.00086	U	0.0016	U
Hexachlorobutadiene	~	~	~	0.0052	U	0.35	U	0.0056	U	0.0034	U	0.0064	U
Isopropylbenzene	~	~	~	0.0013	U	0.086	U	0.0022		0.00086	U	0.0016	U
Methyl tert butyl ether	0.93	500	0.93	0.0026	U	0.17	U	0.0028	U	0.0017	U	0.0032	U
Methylene chloride	0.05	500	0.05	0.0065	U	0.43	U	0.007	U	0.0043	U	0.0079	U
n-Butylbenzene	12	500	12	0.0013	U	0.086	U	0.0014	U	0.00086	U	0.0016	U
n-Propylbenzene	3.9	500	3.9	0.0013	U	0.086	U	0.00033	J	0.00086	U	0.0016	U
Naphthalene	12	500	12	0.00086	J	0.35	U	0.24		0.0034	U	0.0064	U
o-Chlorotoluene	~	~	~	0.0026	U	0.17	U	0.0028	U	0.0017	U	0.0032	U
o-Xylene	~	~	~	0.0013	U	0.086	U	0.0019		0.00086	U	0.0016	U
p-Chlorotoluene	~	~	~	0.0026	U	0.17	U	0.0028	U	0.0017	U	0.0032	U
p-Diethylbenzene	~	~	~	0.0026	U	0.17	U	0.0026	J	0.0017	U	0.0032	U
p-Ethyltoluene	~	~	~	0.0026	U	0.17	U	0.001	J	0.0017	U	0.0032	U
p-Isopropyltoluene	~	~	~	0.0013	U	0.086	U	0.00065	J	0.00086	U	0.0016	U
p/m-Xylene	~	~	~	0.0026	U	0.17	U	0.0017	J	0.0017	U	0.0032	U
sec-Butylbenzene	11	500	11	0.0013	U	0.086	U	0.00033	J	0.00086	U	0.0016	U
Styrene	~	~	~	0.0013	U	0.086	U	0.0014	U	0.00086	U	0.0016	U
tert-Butylbenzene	5.9	500	5.9	0.0026	U	0.17	U	0.00018	J	0.0017	U	0.0032	U
Tetrachloroethene	1.3	150	1.3	0.016		0.51		0.0007	U	0.00043	U	0.00079	U
Toluene	0.7	500	0.7	0.0013	U	0.086	U	0.0011	J	0.00086	U	0.0016	U
trans-1,2-Dichloroethene	0.19	500	0.19	0.0013	J	0.13	U	0.0021	U	0.0013	U	0.0024	U
trans-1,3-Dichloropropene	~	~	~	0.0013	U	0.086	U	0.0014	U	0.00086	U	0.0016	U
trans-1,4-Dichloro-2-butene	~	~	~	0.0065	U	0.43	U	0.007	U	0.0043	U	0.0079	U
Trichloroethene	0.47	200	0.47	0.28		6.9		0.0015		0.0029		0.0026	
Trichlorofluoromethane	~	~	~	0.0052	U	0.35	U	0.0056	U	0.0034	U	0.0064	U
Vinyl acetate	~	~	~	0.013	U	0.86	U	0.014	U	0.0086	U	0.016	U
Vinyl chloride	0.02	13	0.02	0.00076	J	0.086	U	0.0014	U	0.00086	U	0.0016	U
Xylenes, Total	0.260	500	1.600	0.0013	U	0.086	U	0.0036	J	0.00086	U	0.0016	U

TABLE NOTES:

- Analyte exceeds the NYSDEC Part 375 Unrestricted Use SCO.
- Analyte exceeds the NYSDEC Part 375 Unrestricted Use, Restricted-Commercial Use, and Protection of Groundwater SCOs.
- Analyte exceeds the NYSDEC Part 375 Unrestricted Use and Protection of Groundwater SCOs.
- U : Not detected at the reported detection limit for the sample.
- D: Result is from an analysis that required a dilution
- J: Analyte detected at or above the method detection limit but below the reporting limit.
- B: Analyte found in the analysis batch blank
- E: Result is estimated and cannot be accurately reported due to levels encountered or interferences
- mg/kg: Milligrams per Kilogram.
- ~: No Standards or Guidance Value.

Table 3 - Semivolatile Organic Compounds in Soil  
Remedial Investigation Report

**DRAFT PRINT**

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

LOCATION LAB SAMPLE ID SAMPLING DATE SAMPLE TYPE	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	SB-01 (1-3')		SB-01 (7-9')		SB-02 (1-3')		SB-02 (8-10')		SB-03 (1-3')	
				L2547120-13 7/28/2025		L2547120-15 7/28/2025		L2547120-27 7/28/2025		L2547120-29 7/28/2025		L2547120-07 7/28/2025	
				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
<b>Semivolatile Organics, 8270 - Comprehensive (mg/kg)</b>													
1,2,4,5-Tetrachlorobenzene	~	~	~	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
1,2,4-Trichlorobenzene	~	~	~	0.035	J	0.2	U	0.029	J	0.19	U	0.18	U
1,2-Dichlorobenzene	1.1	500	1.1	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
1,3-Dichlorobenzene	2.4	280	2.4	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
1,4-Dichlorobenzene	1.8	130	1.8	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
1,4-Dioxane	0.1	130	0.1	0.029	U	0.03	U	0.028	U	0.028	U	0.027	U
2,4,5-Trichlorophenol	~	~	~	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
2,4,6-Trichlorophenol	~	~	~	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U
2,4-Dichlorophenol	~	~	~	0.17	U	0.18	U	0.16	U	0.17	U	0.16	U
2,4-Dimethylphenol	~	~	~	0.19	U	0.2	U	0.18	U	0.22	U	0.18	U
2,4-Dinitrophenol	~	~	~	0.92	U	0.94	U	0.88	U	0.91	U	0.86	U
2,4-Dinitrotoluene	~	~	~	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
2,6-Dinitrotoluene	~	~	~	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
2-Chloronaphthalene	~	~	~	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
2-Chlorophenol	~	~	~	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
2-Methylnaphthalene	~	~	~	0.12	J	0.057	J	0.28		2.2		0.045	J
2-Methylphenol	0.33	500	0.33	0.19	U	0.2	U	0.18	U	0.2		0.18	U
2-Nitroaniline	~	~	~	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
2-Nitrophenol	~	~	~	0.41	U	0.42	U	0.4	U	0.41	U	0.39	U
3,3'-Dichlorobenzidine	~	~	~	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	500	0.33	0.27	U	0.28	U	0.034	J	0.49		0.26	U
3-Nitroaniline	~	~	~	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
4,6-Dinitro-o-cresol	~	~	~	0.5	U	0.51	U	0.48	U	0.49	U	0.47	U
4-Bromophenyl phenyl ether	~	~	~	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
4-Chloroaniline	~	~	~	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
4-Chlorophenyl phenyl ether	~	~	~	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
4-Nitroaniline	~	~	~	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
4-Nitrophenol	~	~	~	0.27	U	0.28	U	0.26	U	0.26	U	0.25	U
Acenaphthene	20	500	98	0.35		0.052	J	0.32		2.7		0.05	J
Acenaphthylene	100	500	107	0.13	J	0.16	U	0.14	J	0.73		0.071	J
Acetophenone	~	~	~	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
Anthracene	100	500	1,000	0.82		0.1	J	1.3		5.3		0.14	
Benzo(a)anthracene	1	6	1	2.6		0.29		5.5	E	9.2	E	0.56	
Benzo(a)pyrene	1	1	22	2.4		0.24		8.1	E	9.4	E	0.58	
Benzo(b)fluoranthene	1	5.6	1.7	3.1		0.28		9.8	E	12	E	0.67	
Benzo(ghi)perylene	100	500	1,000	1.6		0.18		7.5	E	7		0.4	
Benzo(k)fluoranthene	0.8	56	1.7	0.87		0.081	J	1.9		2.7		0.26	
Benzoic Acid	~	~	~	0.62	U	0.64	U	0.6	U	0.61	U	0.58	U
Benzyl Alcohol	~	~	~	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
Biphenyl	~	~	~	0.036	J	0.45	U	0.05	J	0.46		0.41	U
Bis(2-chloroethoxy)methane	~	~	~	0.21	U	0.21	U	0.2	U	0.2	U	0.19	U
Bis(2-chloroethyl)ether	~	~	~	0.17	U	0.18	U	0.16	U	0.17	U	0.16	U
Bis(2-chloroisopropyl)ether	~	~	~	0.23	U	0.24	U	0.22	U	0.23	U	0.22	U
Bis(2-ethylhexyl)phthalate	~	~	~	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
Butyl benzyl phthalate	~	~	~	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
Carbazole	~	~	~	0.34		0.038	J	0.6		2.8		0.089	J
Chrysene	1	56	1	2.4		0.31		4.7		7.2		0.63	
Di-n-butylphthalate	~	~	~	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
Di-n-octylphthalate	~	~	~	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
Dibenzo(a,h)anthracene	0.33	0.56	1,000	0.38		0.043	J	1.5		1.5		0.1	J
Dibenzofuran	7	350	210	0.23		0.036	J	0.28		2.6		0.058	J
Diethyl phthalate	~	~	~	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
Dimethyl phthalate	~	~	~	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
Fluoranthene	100	500	1,000	5.5		0.5		6		14	E	1.2	
Fluorene	30	500	386	0.26		0.047	J	0.29		3.2		0.056	J
Hexachlorobenzene	0.33	6	3.2	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U
Hexachlorobutadiene	~	~	~	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
Hexachlorocyclopentadiene	~	~	~	0.54	U	0.56	U	0.53	U	0.54	U	0.51	U
Hexachloroethane	~	~	~	0.15	U	0.16	U	0.15	U	0.15	U	0.14	U
Indeno(1,2,3-cd)pyrene	0.5	5.6	8.2	1.7		0.14	J	7.5	E	7		0.37	
Isophorone	~	~	~	0.17	U	0.18	U	0.16	U	0.17	U	0.16	U
n-Nitrosodi-n-propylamine	~	~	~	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
Naphthalene	12	500	12	0.24		0.088	J	0.46		5.6		0.075	J
NDPA/DPA	~	~	~	0.15	U	0.16	U	0.15	U	0.15	U	0.14	U
Nitrobenzene	~	~	~	0.17	U	0.18	U	0.16	U	0.17	U	0.16	U
p-Chloro-m-cresol	~	~	~	0.19	U	0.2	U	0.18	U	0.19	U	0.18	U
Pentachlorophenol	0.8	6.7	0.8	0.15	U	0.16	U	0.15	U	0.15	U	0.14	U
Phenanthrene	100	500	1000	4		0.48		3.9		15	E	0.89	
Phenol	0.33	500	0.33	0.19	U	0.2	U	0.18	U	0.24		0.18	U
Pyrene	100	500	1,000	4.6		0.55		5.8		11	E	1.1	

TABLE NOTES:

	Analyte exceeds the NYSDEC Part 375 Unrestricted Use SCOs.
	Analyte exceeds the NYSDEC Part 375 Unrestricted Use and Restricted-Commercial Use SCOs.
	Analyte exceeds the NYSDEC Part 375 Unrestricted Use and Protection of Groundwater SCOs.
	Analyte exceeds the NYSDEC Part 375 Unrestricted Use, Restricted-Commercial Use, and Protection of Groundwater SCOs.

- U : Not detected at the reported detection limit for the sample.
- mg/kg: Milligrams per Kilogram.
- ~ : No Standards or Guidance Value.
- J : Analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit)
- E : Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Table 3 - Semivolatile Organic Compounds in Soil  
Remedial Investigation Report

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

LOCATION LAB SAMPLE ID SAMPLING DATE SAMPLE TYPE	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	SB-03 (5-7') L2547120-09 7/28/2025		SB-04 (1-3') L2546920-25 7/25/2025		SB-04 (8-10') L2546920-27 7/25/2025		SB-05 (1-3') L2547120-19 7/28/2025		SB-05 (7-9') L2547120-21 7/28/2025	
				Soil		Soil		Soil		Soil		Soil	
				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
<b>Semivolatile Organics, 8270 - Comprehensive (mg/kg)</b>													
1,2,4,5-Tetrachlorobenzene	~	~	~	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
1,2,4-Trichlorobenzene	~	~	~	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
1,2-Dichlorobenzene	1.1	500	1.1	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
1,3-Dichlorobenzene	2.4	280	2.4	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
1,4-Dichlorobenzene	1.8	130	1.8	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
1,4-Dioxane	0.1	130	0.1	0.028	U	0.029	U	0.028	U	0.027	U	0.028	U
2,4,5-Trichlorophenol	~	~	~	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
2,4,6-Trichlorophenol	~	~	~	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U
2,4-Dichlorophenol	~	~	~	0.17	U	0.18	U	0.17	U	0.16	U	0.17	U
2,4-Dimethylphenol	~	~	~	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
2,4-Dinitrophenol	~	~	~	0.91	U	0.94	U	0.9	U	0.87	U	0.88	U
2,4-Dinitrotoluene	~	~	~	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
2,6-Dinitrotoluene	~	~	~	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
2-Chloronaphthalene	~	~	~	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
2-Chlorophenol	~	~	~	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
2-Methylnaphthalene	~	~	~	0.056	J	0.23	U	0.077	J	0.067	J	0.12	J
2-Methylphenol	0.33	500	0.33	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
2-Nitroaniline	~	~	~	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
2-Nitrophenol	~	~	~	0.41	U	0.42	U	0.4	U	0.39	U	0.4	U
3,3'-Dichlorobenzidine	~	~	~	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	500	0.33	0.27	U	0.28	U	0.27	U	0.26	U	0.26	U
3-Nitroaniline	~	~	~	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
4,6-Dinitro-o-cresol	~	~	~	0.49	U	0.51	U	0.49	U	0.47	U	0.48	U
4-Bromophenyl phenyl ether	~	~	~	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
4-Chloroaniline	~	~	~	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
4-Chlorophenyl phenyl ether	~	~	~	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
4-Nitroaniline	~	~	~	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
4-Nitrophenol	~	~	~	0.27	U	0.27	U	0.26	U	0.25	U	0.26	U
Acenaphthene	20	500	98	0.058	J	0.033	J	0.1	J	0.16	J	0.089	J
Acenaphthylene	100	500	107	0.053	J	0.16	U	0.13	J	0.1	J	0.06	J
Acetophenone	~	~	~	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
Anthracene	100	500	1,000	0.13	~	0.083	J	0.24	~	0.43	~	0.18	~
Benzo(a)anthracene	1	6	1	0.58	~	0.33	~	0.8	~	1.6	~	0.54	~
Benzo(a)pyrene	1	1	22	0.64	~	0.35	~	0.77	~	1.7	~	0.62	~
Benzo(b)fluoranthene	1	5.6	1.7	0.74	~	0.41	~	0.96	~	2	~	0.7	~
Benzo(ghi)perylene	100	500	1,000	0.44	~	0.23	~	0.48	~	1.2	~	0.48	~
Benzo(k)fluoranthene	0.8	56	1.7	0.27	~	0.14	~	0.29	~	0.71	~	0.24	~
Benzoic Acid	~	~	~	0.62	U	0.63	U	0.61	U	0.59	U	0.6	U
Benzyl Alcohol	~	~	~	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
Biphenyl	~	~	~	0.43	U	0.44	U	0.43	U	0.42	U	0.42	U
Bis(2-chloroethoxy)methane	~	~	~	0.2	U	0.21	U	0.2	U	0.2	U	0.2	U
Bis(2-chloroethoxy)ether	~	~	~	0.17	U	0.18	U	0.17	U	0.16	U	0.17	U
Bis(2-chloroisopropyl)ether	~	~	~	0.23	U	0.23	U	0.22	U	0.22	U	0.22	U
Bis(2-ethylhexyl)phthalate	~	~	~	0.19	U	0.19	U	0.17	J	0.18	U	0.18	U
Butyl benzyl phthalate	~	~	~	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
Carbazole	~	~	~	0.075	J	0.032	J	0.08	J	0.15	J	0.083	J
Chrysene	1	56	1	0.58	~	0.35	~	0.78	~	1.5	~	0.56	~
Di-n-butylphthalate	~	~	~	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
Di-n-octylphthalate	~	~	~	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
Dibenzo(a,h)anthracene	0.33	0.56	1,000	0.11	~	0.058	J	0.13	~	0.31	~	0.11	~
Dibenzofuran	7	350	210	0.052	J	0.19	U	0.077	J	0.088	J	0.068	J
Diethyl phthalate	~	~	~	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
Dimethyl phthalate	~	~	~	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
Fluoranthene	100	500	1,000	1	~	0.68	~	1.5	~	2.8	~	1	~
Fluorene	30	500	386	0.054	J	0.024	J	0.097	J	0.12	J	0.077	J
Hexachlorobenzene	0.33	6	3.2	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U
Hexachlorobutadiene	~	~	~	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
Hexachlorocyclopentadiene	~	~	~	0.54	U	0.56	U	0.54	U	0.52	U	0.53	U
Hexachloroethane	~	~	~	0.15	U	0.16	U	0.15	U	0.14	U	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	5.6	8.2	0.44	~	0.22	~	0.5	~	1.2	~	0.45	~
Isophorone	~	~	~	0.17	U	0.18	U	0.17	U	0.16	U	0.17	U
n-Nitrosodi-n-propylamine	~	~	~	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
Naphthalene	12	500	12	0.083	J	0.19	U	0.12	J	0.12	J	0.15	J
NDPA/DPA	~	~	~	0.15	U	0.16	U	0.15	U	0.14	U	0.15	U
Nitrobenzene	~	~	~	0.17	U	0.18	U	0.17	U	0.16	U	0.17	U
p-Chloro-m-cresol	~	~	~	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
Pentachlorophenol	0.8	6.7	0.8	0.15	U	0.16	U	0.15	U	0.14	U	0.15	U
Phenanthrene	100	500	1000	0.68	~	0.4	~	1	~	1.6	~	0.82	~
Phenol	0.33	500	0.33	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U
Pyrene	100	500	1,000	0.93	~	0.62	~	1.3	~	2.6	~	0.95	~

TABLE NOTES:

	Analyte exceeds the NYSDEC Part 375 Unrestricted Use SCOs.
	Analyte exceeds the NYSDEC Part 375 Unrestricted Use and Restricted-Commercial Use SCOs.
	Analyte exceeds the NYSDEC Part 375 Unrestricted Use and Protection of Groundwater SCOs.
	Analyte exceeds the NYSDEC Part 375 Unrestricted Use, Restricted-Commercial Use, and Protection of Groundwater SCOs.

U : Not detected at the reported detection limit for the sample.

mg/kg: Milligrams per Kilogram.

~ : No Standards or Guidance Value.

J: Analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit)

E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**Table 3 - Semivolatile Organic Compounds in Soil  
Remedial Investigation Report**

**9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397**

LOCATION LAB SAMPLE ID SAMPLING DATE SAMPLE TYPE	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	SB-06 (1-3') L2546920-30 7/25/2025		SB-06 (8-10') L2546920-32 7/25/2025		SB-07 (1-3') L2546920-01 7/25/2025		SB-07 (8-10') L2546920-03 7/25/2025		SB-08 (1-3') L2546920-18 7/25/2025	
				Soil		Soil		Soil		Soil		Soil	
				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
<b>Semivolatile Organics, 8270 - Comprehensive (mg/kg)</b>													
1,2,4,5-Tetrachlorobenzene	~	~	~	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
1,2,4-Trichlorobenzene	~	~	~	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
1,2-Dichlorobenzene	1.1	500	1.1	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
1,3-Dichlorobenzene	2.4	280	2.4	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
1,4-Dichlorobenzene	1.8	130	1.8	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
1,4-Dioxane	0.1	130	0.1	0.56	U	0.26	U	0.027	U	0.029	U	0.028	U
2,4,5-Trichlorophenol	~	~	~	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
2,4,6-Trichlorophenol	~	~	~	2.2	U	1	U	0.11	U	0.12	U	0.11	U
2,4-Dichlorophenol	~	~	~	3.3	U	1.6	U	0.16	U	0.18	U	0.17	U
2,4-Dimethylphenol	~	~	~	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
2,4-Dinitrophenol	~	~	~	18	U	8.4	U	0.87	U	0.94	U	0.9	U
2,4-Dinitrotoluene	~	~	~	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
2,6-Dinitrotoluene	~	~	~	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
2-Chloronaphthalene	~	~	~	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
2-Chlorophenol	~	~	~	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
2-Methylnaphthalene	~	~	~	8.1	U	2.4	U	0.15	J	0.74	U	0.028	J
2-Methylphenol	0.33	500	0.33	1.3	J	0.98	J	0.18	U	0.2	U	0.19	U
2-Nitroaniline	~	~	~	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
2-Nitrophenol	~	~	~	8	U	3.8	U	0.39	U	0.42	U	0.4	U
3,3'-Dichlorobenzidine	~	~	~	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
3-Methylphenol/4-Methylphenol	0.33	500	0.33	3.4	J	2.1	J	0.26	U	0.034	J	0.27	U
3-Nitroaniline	~	~	~	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
4,6-Dinitro-o-cresol	~	~	~	9.6	U	4.5	U	0.47	U	0.51	U	0.48	U
4-Bromophenyl phenyl ether	~	~	~	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
4-Chloroaniline	~	~	~	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
4-Chlorophenyl phenyl ether	~	~	~	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
4-Nitroaniline	~	~	~	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
4-Nitrophenol	~	~	~	5.2	U	2.4	U	0.25	U	0.27	U	0.26	U
Acenaphthene	20	500	98	1.5	J	0.57	J	0.12	J	0.23	U	0.06	J
Acenaphthylene	100	500	107	21	U	9.2	U	0.039	J	0.32	U	0.055	J
Acetophenone	~	~	~	0.7	J	0.4	J	0.18	U	0.2	U	0.19	U
Anthracene	100	500	1,000	8.6	U	4.1	U	0.26	U	0.72	U	0.16	U
Benzo(a)anthracene	1	6	1	63	U	27	U	0.52	U	1.8	U	0.66	U
Benzo(a)pyrene	1	1	22	54	U	27	U	0.5	U	2.3	U	0.81	U
Benzo(b)fluoranthene	1	5.6	1.7	100	U	42	U	0.6	U	2.6	U	0.9	U
Benzo(ghi)perylene	100	500	1,000	67	U	27	U	0.35	U	1.8	U	0.63	U
Benzo(k)fluoranthene	0.8	56	1.7	31	U	12	U	0.18	U	0.84	U	0.28	U
Benzoic Acid	~	~	~	12	U	5.7	U	0.59	U	0.64	U	0.6	U
Benzyl Alcohol	~	~	~	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
Biphenyl	~	~	~	1.5	J	0.57	J	0.044	J	0.19	J	0.42	U
Bis(2-chloroethoxy)methane	~	~	~	4	U	1.9	U	0.2	U	0.21	U	0.2	U
Bis(2-chloroethyl)ether	~	~	~	3.3	U	1.6	U	0.16	U	0.18	U	0.17	U
Bis(2-chloroisopropyl)ether	~	~	~	4.4	U	2.1	U	0.22	U	0.24	U	0.22	U
Bis(2-ethylhexyl)phthalate	~	~	~	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
Butyl benzyl phthalate	~	~	~	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
Carbazole	~	~	~	5.1	U	1.8	U	0.11	J	0.32	U	0.067	J
Chrysene	1	56	1	63	U	26	U	0.53	U	1.7	U	0.69	U
Di-n-butylphthalate	~	~	~	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
Di-n-octylphthalate	~	~	~	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
Dibenzo(a,h)anthracene	0.33	0.56	1,000	12	U	4.9	U	0.081	J	0.32	U	0.14	U
Dibenzofuran	7	350	210	3.9	U	1.4	J	0.083	J	0.48	U	0.032	J
Diethyl phthalate	~	~	~	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
Dimethyl phthalate	~	~	~	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
Fluoranthene	100	500	1,000	130	U	56	U	1.2	U	3.5	U	1.2	U
Fluorene	30	500	386	1.9	J	0.96	J	0.11	J	0.31	U	0.038	J
Hexachlorobenzene	0.33	6	3.2	2.2	U	1	U	0.11	U	0.12	U	0.11	U
Hexachlorobutadiene	~	~	~	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
Hexachlorocyclopentadiene	~	~	~	11	U	5	U	0.52	U	0.56	U	0.53	U
Hexachloroethane	~	~	~	3	U	1.4	U	0.14	U	0.16	U	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	5.6	8.2	66	U	27	U	0.33	U	1.8	U	0.58	U
Isophorone	~	~	~	3.3	U	1.6	U	0.16	U	0.18	U	0.17	U
n-Nitrosodi-n-propylamine	~	~	~	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
Naphthalene	12	500	12	31	U	8.6	U	0.14	J	4.5	U	0.053	J
NDPA/DPA	~	~	~	3	U	1.4	U	0.14	U	0.16	U	0.15	U
Nitrobenzene	~	~	~	3.3	U	1.6	U	0.16	U	0.18	U	0.17	U
p-Chloro-m-cresol	~	~	~	3.7	U	1.7	U	0.18	U	0.2	U	0.19	U
Pentachlorophenol	~	6.7	0.8	3	U	1.4	U	0.14	U	0.16	U	0.15	U
Phenanthrene	100	500	1000	27	U	13	U	1.2	U	2.9	U	0.67	U
Phenol	0.33	500	0.33	1.1	J	0.78	J	0.18	U	0.2	U	0.19	U
Pyrene	100	500	1,000	130	U	54	U	1	U	3.2	U	1.2	U

**TABLE NOTES:**

- Analyte exceeds the NYSDEC Part 375 Unrestricted Use SCOs.
- Analyte exceeds the NYSDEC Part 375 Unrestricted Use and Restricted-Commercial Use SCOs.
- Analyte exceeds the NYSDEC Part 375 Unrestricted Use and Protection of Groundwater SCOs.
- Analyte exceeds the NYSDEC Part 375 Unrestricted Use, Restricted-Commercial Use, and Protection of Groundwater SCOs.

U : Not detected at the reported detection limit for the sample.  
 mg/kg: Milligrams per Kilogram.  
 ~ : No Standards or Guidance Value.  
 J : Analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit)  
 E : Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Table 3 - Semivolatile Organic Compounds in Soil  
Remedial Investigation Report

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

LOCATION LAB SAMPLE ID SAMPLING DATE SAMPLE TYPE	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	SB-08 (7-9') L2546920-20 7/25/2025		SB-09 (1-3') L2547120-01 7/28/2025		SB-09 (8-10') L2547120-03 7/28/2025		SB-10 (1-3') L2546920-08 7/25/2025		SB-10 (8-10') L2546920-10 7/25/2025	
				Soil		Soil		Soil		Soil		Soil	
				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
<b>Semivolatile Organics, 8270 - Comprehensive (mg/kg)</b>													
1,2,4,5-Tetrachlorobenzene	~	~	~	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
1,2,4-Trichlorobenzene	~	~	~	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
1,2-Dichlorobenzene	1.1	500	1.1	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
1,3-Dichlorobenzene	2.4	280	2.4	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
1,4-Dichlorobenzene	1.8	130	1.8	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
1,4-Dioxane	0.1	130	0.1	0.028	U	0.027	U	0.028	U	0.03	U	0.028	U
2,4,5-Trichlorophenol	~	~	~	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
2,4,6-Trichlorophenol	~	~	~	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U
2,4-Dichlorophenol	~	~	~	0.16	U	0.16	U	0.16	U	0.18	U	0.17	U
2,4-Dimethylphenol	~	~	~	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
2,4-Dinitrophenol	~	~	~	0.88	U	0.87	U	0.88	U	0.95	U	0.9	U
2,4-Dinitrotoluene	~	~	~	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
2,6-Dinitrotoluene	~	~	~	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
2-Chloronaphthalene	~	~	~	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
2-Chlorophenol	~	~	~	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
2-Methylnaphthalene	~	~	~	0.22	U	0.22	U	0.22	U	0.24	U	0.22	U
2-Methylphenol	0.33	500	0.33	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
2-Nitroaniline	~	~	~	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
2-Nitrophenol	~	~	~	0.4	U	0.39	U	0.4	U	0.43	U	0.4	U
3,3'-Dichlorobenzidine	~	~	~	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
3-Methylphenol/4-Methylphenol	0.33	500	0.33	0.26	U	0.26	U	0.26	U	0.29	U	0.27	U
3-Nitroaniline	~	~	~	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
4,6-Dinitro-o-cresol	~	~	~	0.48	U	0.47	U	0.48	U	0.52	U	0.49	U
4-Bromophenyl phenyl ether	~	~	~	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
4-Chloroaniline	~	~	~	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
4-Chlorophenyl phenyl ether	~	~	~	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
4-Nitroaniline	~	~	~	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
4-Nitrophenol	~	~	~	0.26	U	0.25	U	0.26	U	0.28	U	0.26	U
Acenaphthene	20	500	98	0.031	J	0.14	U	0.15	U	0.06	J	0.15	U
Acenaphthylene	100	500	107	0.055	J	0.14	U	0.15	U	0.031	J	0.15	U
Acetophenone	~	~	~	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
Anthracene	100	500	1,000	0.074	J	0.043	J	0.038	J	0.15	J	0.11	U
Benzo(a)anthracene	1	6	1	0.49	U	0.32	U	0.24	U	0.57	U	0.1	J
Benzo(a)pyrene	1	1	22	0.83	U	0.4	U	0.3	U	0.64	U	0.11	J
Benzo(b)fluoranthene	1	5.6	1.7	0.92	U	0.46	U	0.36	U	0.73	U	0.14	J
Benzo(ghi)perylene	100	500	1,000	0.62	U	0.26	U	0.25	U	0.41	U	0.082	J
Benzo(k)fluoranthene	0.8	56	1.7	0.28	U	0.11	U	0.12	U	0.27	U	0.042	J
Benzoic Acid	~	~	~	0.6	U	0.59	U	0.6	U	0.64	U	0.61	U
Benzyl Alcohol	~	~	~	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
Biphenyl	~	~	~	0.42	U	0.41	U	0.42	U	0.45	U	0.43	U
Bis(2-chloroethoxy)methane	~	~	~	0.2	U	0.2	U	0.2	U	0.21	U	0.2	U
Bis(2-chloroethyl)ether	~	~	~	0.16	U	0.16	U	0.16	U	0.18	U	0.17	U
Bis(2-chloroisopropyl)ether	~	~	~	0.22	U	0.22	U	0.22	U	0.24	U	0.22	U
Bis(2-ethylhexyl)phthalate	~	~	~	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
Butyl benzyl phthalate	~	~	~	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
Carbazole	~	~	~	0.03	J	0.029	J	0.18	U	0.057	J	0.19	U
Chrysene	1	56	1	0.53	U	0.29	U	0.23	U	0.58	U	0.098	J
Di-n-butylphthalate	~	~	~	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
Di-n-octylphthalate	~	~	~	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
Dibenzo(a,h)anthracene	0.33	0.56	1,000	0.12	U	0.058	J	0.033	J	0.1	J	0.11	U
Dibenzofuran	7	350	210	0.18	U	0.18	U	0.18	U	0.03	J	0.19	U
Diethyl phthalate	~	~	~	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
Dimethyl phthalate	~	~	~	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
Fluoranthene	100	500	1,000	0.72	U	0.38	U	0.4	U	1.1	U	0.15	U
Fluorene	30	500	386	0.018	J	0.18	U	0.18	U	0.04	J	0.19	U
Hexachlorobenzene	0.33	6	3.2	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U
Hexachlorobutadiene	~	~	~	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
Hexachlorocyclopentadiene	~	~	~	0.52	U	0.52	U	0.53	U	0.57	U	0.54	U
Hexachloroethane	~	~	~	0.15	U	0.14	U	0.15	U	0.16	U	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	5.6	8.2	0.63	U	0.24	U	0.23	U	0.42	U	0.076	J
Isophorone	~	~	~	0.16	U	0.16	U	0.16	U	0.18	U	0.17	U
n-Nitrosodi-n-propylamine	~	~	~	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
Naphthalene	12	500	12	0.032	J	0.18	U	0.18	U	0.039	J	0.19	U
NDPA/DPA	~	~	~	0.15	U	0.14	U	0.15	U	0.16	U	0.15	U
Nitrobenzene	~	~	~	0.16	U	0.16	U	0.16	U	0.18	U	0.17	U
p-Chloro-m-cresol	~	~	~	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
Pentachlorophenol	0.8	6.7	0.8	0.15	U	0.14	U	0.15	U	0.16	U	0.15	U
Phenanthrene	100	500	1000	0.28	U	0.16	U	0.078	J	0.65	U	0.07	J
Phenol	0.33	500	0.33	0.18	U	0.18	U	0.18	U	0.2	U	0.19	U
Pyrene	100	500	1,000	0.71	U	0.35	U	0.4	U	1	U	0.16	U

TABLE NOTES:

- Analyte exceeds the NYSDEC Part 375 Unrestricted Use SCOs.
- Analyte exceeds the NYSDEC Part 375 Unrestricted Use and Restricted-Commercial Use SCOs.
- Analyte exceeds the NYSDEC Part 375 Unrestricted Use and Protection of Groundwater SCOs.
- Analyte exceeds the NYSDEC Part 375 Unrestricted Use, Restricted-Commercial Use, and Protection of Groundwater SCOs.

U : Not detected at the reported detection limit for the sample.

mg/kg: Milligrams per Kilogram.

~ : No Standards or Guidance Value.

J: Analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit)

E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Table 3 - Semivolatile Organic Compounds in Soil  
Remedial Investigation Report

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

LOCATION LAB SAMPLE ID SAMPLING DATE SAMPLE TYPE	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	SB-11 (1-3')		SB-11 (8-10')		07.25.25_DUP		HELD DUPLICATE_0728202	
				L2546920-13		L2546920-15		L2546920-07		L2547120-24	
				7/25/2025		7/25/2025		7/25/2025		7/28/2025	
				Soil		Soil		Soil		Soil	
				Result	Q	Result	Q	Result	Q	Result	Q
<b>Semivolatile Organics, 8270 - Comprehensive (mg/kg)</b>								*SB-07 (2') Dup		*SB-05 (3') Dup	
1,2,4,5-Tetrachlorobenzene	~	~	~	0.18	U	0.18	U	0.18	U	0.18	U
1,2,4-Trichlorobenzene	~	~	~	0.18	U	0.18	U	0.18	U	0.18	U
1,2-Dichlorobenzene	1.1	500	1.1	0.18	U	0.18	U	0.18	U	0.18	U
1,3-Dichlorobenzene	2.4	280	2.4	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dichlorobenzene	1.8	130	1.8	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dioxane	0.1	130	0.1	0.028	U	0.028	U	0.027	U	0.027	U
2,4,5-Trichlorophenol	~	~	~	0.18	U	0.18	U	0.18	U	0.18	U
2,4,6-Trichlorophenol	~	~	~	0.11	U	0.11	U	0.11	U	0.11	U
2,4-Dichlorophenol	~	~	~	0.16	U	0.17	U	0.16	U	0.16	U
2,4-Dimethylphenol	~	~	~	0.18	U	0.18	U	0.18	U	0.18	U
2,4-Dinitrophenol	~	~	~	0.88	U	0.88	U	0.86	U	0.87	U
2,4-Dinitrotoluene	~	~	~	0.18	U	0.18	U	0.18	U	0.18	U
2,6-Dinitrotoluene	~	~	~	0.18	U	0.18	U	0.18	U	0.18	U
2-Chloronaphthalene	~	~	~	0.18	U	0.18	U	0.18	U	0.18	U
2-Chlorophenol	~	~	~	0.18	U	0.18	U	0.18	U	0.18	U
2-Methylnaphthalene	~	~	~	0.17	J	0.037	J	0.22	U	0.082	J
2-Methylphenol	0.33	500	0.33	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitroaniline	~	~	~	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitrophenol	~	~	~	0.4	U	0.4	U	0.39	U	0.39	U
3,3'-Dichlorobenzidine	~	~	~	0.18	U	0.18	U	0.18	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	500	0.33	0.031	J	0.26	U	0.26	U	0.26	U
3-Nitroaniline	~	~	~	0.18	U	0.18	U	0.18	U	0.18	U
4,6-Dinitro-o-cresol	~	~	~	0.48	U	0.48	U	0.47	U	0.47	U
4-Bromophenyl phenyl ether	~	~	~	0.18	U	0.18	U	0.18	U	0.18	U
4-Chloroaniline	~	~	~	0.18	U	0.18	U	0.18	U	0.18	U
4-Chlorophenyl phenyl ether	~	~	~	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitroaniline	~	~	~	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitrophenol	~	~	~	0.26	U	0.26	U	0.25	U	0.25	U
Acenaphthene	20	500	98	0.33	U	0.15	U	0.14	U	0.12	J
Acenaphthylene	100	500	107	0.22	U	0.17	U	0.14	U	0.086	J
Acetophenone	~	~	~	0.18	U	0.18	U	0.18	U	0.18	U
Anthracene	100	500	1,000	1	U	0.14	U	0.11	U	0.33	U
Benzo(a)anthracene	1	6	1	3.6	U	0.7	U	0.065	J	0.99	U
Benzo(a)pyrene	1	1	22	3.4	U	0.78	U	0.067	J	0.89	U
Benzo(b)fluoranthene	1	5.6	1.7	4.3	U	0.94	U	0.074	J	1.2	U
Benzo(ghi)perylene	100	500	1,000	2.3	U	0.5	U	0.069	J	0.6	U
Benzo(k)fluoranthene	0.8	56	1.7	1.4	U	0.25	U	0.11	U	0.27	U
Benzoic Acid	~	~	~	0.6	U	0.6	U	0.58	U	0.58	U
Benzyl Alcohol	~	~	~	0.18	U	0.18	U	0.18	U	0.18	U
Biphenyl	~	~	~	0.056	J	0.42	U	0.41	U	0.41	U
Bis(2-chloroethoxy)methane	~	~	~	0.2	U	0.2	U	0.19	U	0.2	U
Bis(2-chloroethyl)ether	~	~	~	0.16	U	0.17	U	0.16	U	0.16	U
Bis(2-chloroisopropyl)ether	~	~	~	0.22	U	0.22	U	0.22	U	0.22	U
Bis(2-ethylhexyl)phthalate	~	~	~	0.18	U	0.18	U	0.18	U	0.18	U
Butyl benzyl phthalate	~	~	~	0.18	U	0.18	U	0.18	U	0.18	U
Carbazole	~	~	~	0.39	U	0.053	J	0.18	U	0.11	J
Chrysene	1	56	1	3.5	U	0.66	U	0.069	J	0.94	U
Di-n-butylphthalate	~	~	~	0.18	U	0.18	U	0.18	U	0.18	U
Di-n-octylphthalate	~	~	~	0.18	U	0.18	U	0.18	U	0.18	U
Dibenzo(a,h)anthracene	0.33	0.56	1,000	0.56	U	0.12	U	0.11	U	0.14	U
Dibenzofuran	7	350	210	0.24	U	0.036	J	0.18	U	0.096	J
Diethyl phthalate	~	~	~	0.18	U	0.18	U	0.18	U	0.18	U
Dimethyl phthalate	~	~	~	0.18	U	0.18	U	0.18	U	0.18	U
Fluoranthene	100	500	1,000	6	U	1.4	U	0.11	U	1.9	U
Fluorene	30	500	386	0.29	U	0.022	J	0.18	U	0.11	J
Hexachlorobenzene	0.33	6	3.2	0.11	U	0.11	U	0.11	U	0.11	U
Hexachlorobutadiene	~	~	~	0.18	U	0.18	U	0.18	U	0.18	U
Hexachlorocyclopentadiene	~	~	~	0.52	U	0.53	U	0.51	U	0.52	U
Hexachloroethane	~	~	~	0.15	U	0.15	U	0.14	U	0.14	U
Indeno(1,2,3-cd)pyrene	0.5	5.6	8.2	2.3	U	0.52	U	0.048	J	0.56	U
Isophorone	~	~	~	0.16	U	0.17	U	0.16	U	0.16	U
n-Nitrosodi-n-propylamine	~	~	~	0.18	U	0.18	U	0.18	U	0.18	U
Naphthalene	12	500	12	0.27	U	0.15	J	0.18	U	0.16	J
NDPA/DPA	~	~	~	0.15	U	0.15	U	0.14	U	0.14	U
Nitrobenzene	~	~	~	0.16	U	0.17	U	0.16	U	0.16	U
p-Chloro-m-cresol	~	~	~	0.18	U	0.18	U	0.18	U	0.18	U
Pentachlorophenol	0.8	6.7	0.8	0.15	U	0.15	U	0.14	U	0.14	U
Phenanthrene	100	500	1000	4.4	U	0.49	U	0.08	J	1.3	U
Phenol	0.33	500	0.33	0.18	U	0.18	U	0.18	U	0.18	U
Pyrene	100	500	1,000	5.1	U	1.2	U	0.11	U	1.8	U

TABLE NOTES:

	Analyte exceeds the NYSDEC Part 375 Unrestricted Use SCOs.
	Analyte exceeds the NYSDEC Part 375 Unrestricted Use and Restricted-Commercial Use SCOs.
	Analyte exceeds the NYSDEC Part 375 Unrestricted Use and Protection of Groundwater SCOs.
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E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Table 4 - Total Metals in Soil  
Remedial Investigation Report

DRAFT PRINT

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

LOCATION	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	SB-01 (1-3') L2547120-13 7/28/2025		SB-01 (7-9') L2547120-15 7/28/2025		SB-02 (1-3') L2547120-27 7/28/2025		SB-02 (8-10') L2547120-29 7/28/2025		SB-03 (1-3') L2547120-07 7/28/2025		SB-03 (5-7') L2547120-09 7/28/2025	
				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil				
LAB SAMPLE ID				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
<b>Total Metals (mg/kg)</b>															
Aluminum, Total	~	~	~	1770		1680		2930		2320		1480		5160	
Antimony, Total	~	~	~	4.58	U	4.65	U	4.32	U	4.51	U	4.24	U	4.43	U
Arsenic, Total	13	16	16	18.7		9.25		6.54		5.18		4.89		4.4	
Barium, Total	350	400	820	173		26.6		33.2		27.3		29.2		85	
Beryllium, Total	7.2	590	47	0.168	J	0.143	J	0.343	J	0.296	J	0.176	J	0.376	J
Cadmium, Total	2.5	9.3	7.5	0.626	J	0.254	J	0.098	J	0.176	J	0.099	J	0.228	J
Calcium, Total	~	~	~	1160		786		3880		2020		1580		1700	
Chromium, Total <sup>1</sup>	30	1,500	~	457		9.78		7.59		6.49		6.71		19.2	
Cobalt, Total	~	~	~	3.26		4.54		2.91		3.09		4.61		5.76	
Copper, Total	50	270	1,720	1660		113		49.5		44.7		45.3		32.4	
Iron, Total	~	~	~	27900		4830		8230		5150		6870		14800	
Lead, Total	63	1,000	450	653		31.8		70.6		35.4		84.2		209	
Magnesium, Total	~	~	~	407		277		638		303		323		1650	
Manganese, Total	1,600	10,000	2,000	56.5		25.1		70.2		37.1		72.2		317	
Mercury, Total	0.18	3	1	0.278		0.146		0.247		0.465		0.202		0.997	
Nickel, Total	30	310	130	15.4		13.8		7.32		8.52		13.7		11.1	
Potassium, Total	~	~	~	485		219	J	277		274		284		1080	
Selenium, Total	4	1,500	4	1.42	J	0.745	J	1.11	J	1.04	J	0.787	J	0.512	J
Silver, Total	2	1500	8.3	0.811		0.465	U	0.432	U	0.451	U	0.424	U	0.443	U
Sodium, Total	~	~	~	281		137	J	304		219		714		485	
Thallium, Total	~	~	~	1.83	U	1.86	U	1.73	U	1.8	U	1.7	U	1.77	U
Vanadium, Total	~	~	~	9.45		8.91		9.77		10.9		9.29		19.1	
Zinc, Total	109	10,000	2,480	491		124		63.6		54.7		65.2		107	
<b>General Chemistry (mg/kg)</b>															
Chromium, Hexavalent	1	400	19	1.09		0.95	U	0.887	U	0.917	U	0.872	U	0.924	U
Cyanide, Total	27	27	40	2		6.2		8.8		2.4		7		1.2	

TABLE NOTES:

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	Analyte exceeds the NYSDEC Part 375 Unrestricted Use and Protection of Groundwater SCOs.
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J : but below the RL (Reporting Limit)

1: The soil cleanup objectives for Total Chromium are compared to the standard for Trivalent Chromium

**Table 4 - Total Metals in Soil  
Remedial Investigation Report**

**9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397**

LOCATION	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	SB-04 (1-3') L2546920-25 7/25/2025 Soil		SB-04 (8-10') L2546920-27 7/25/2025 Soil		SB-05 (1-3') L2547120-19 7/28/2025 Soil		SB-05 (7-9') L2547120-21 7/28/2025 Soil		SB-06 (1-3') L2546920-30 7/25/2025 Soil		SB-06 (8-10') L2546920-32 7/25/2025 Soil	
				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
<b>Total Metals (mg/kg)</b>															
Aluminum, Total	~	~	~	5440		1860		3080		2490		1900		2420	
Antimony, Total	~	~	~	4.55	U	4.36	U	4.04	J	4.22	U	4.29	U	4.1	U
Arsenic, Total	13	16	16	4.27		3.34		7.82		5.43		12.2		6.41	
Barium, Total	350	400	820	51.1		21.6		120		47.8		66.9		26.5	
Beryllium, Total	7.2	590	47	0.376	J	0.101	J	0.269	J	0.127	J	0.128	J	0.14	J
Cadmium, Total	2.5	9.3	7.5	0.12	J	0.872	U	0.775	J	0.844	U	0.147	J	0.819	U
Calcium, Total	~	~	~	6650		108000		8100		12700		2910		26400	
Chromium, Total <sup>1</sup>	30	1,500	~	25.3		3.17		17.4		7.7		7.36		8.47	
Cobalt, Total	~	~	~	6.24		1.37	J	5.14		5.44		5.5		4.56	
Copper, Total	50	270	1,720	25		7.4		300		29.6		49.8		21.8	
Iron, Total	~	~	~	16200		4520		15100		15000		9420		5690	
Lead, Total	63	1,000	450	63.2		30		3230		93.3		283		202	
Magnesium, Total	~	~	~	2520		19000		1750		1830		587		2760	
Manganese, Total	1,600	10,000	2,000	193		79.6		176		143		90.4		68.5	
Mercury, Total	0.18	3	1	0.58		0.086		0.297		0.759		0.293		3.45	
Nickel, Total	30	310	130	12.8		10.8		17		11.9		711		892	
Potassium, Total	~	~	~	1050		315		860		404		384		337	
Selenium, Total	4	1,500	4	0.398	J	0.75	J	1.21	J	1.69	U	1.93		1.19	J
Silver, Total	2	1500	8.3	0.455	U	0.436	U	0.296	J	0.422	U	0.429	U	0.41	U
Sodium, Total	~	~	~	771		1120		250		210		160	J	192	
Thallium, Total	~	~	~	1.82	U	1.74	U	1.74	U	1.69	U	1.72	U	1.64	U
Vanadium, Total	~	~	~	24		4.96		15.9		14.4		10		9.18	
Zinc, Total	109	10,000	2,480	59.6		24		269		73.7		84.5		59.6	
<b>General Chemistry (mg/kg)</b>															
Chromium, Hexavalent	1	400	19	0.95	U	0.914	U	0.256	J	0.891	U	0.493	J	0.849	U
Cyanide, Total	27	27	40	0.25	J	7.2		10		2.5		13		12	

**TABLE NOTES:**

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Remedial Investigation Report**

**9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397**

LOCATION	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	SB-07 (1-3') L2546920-01 7/25/2025 Soil		SB-07 (8-10') L2546920-03 7/25/2025 Soil		SB-08 (1-3') L2546920-18 7/25/2025 Soil		SB-08 (7-9') L2546920-20 7/25/2025 Soil		SB-09 (1-3') L2547120-01 7/28/2025 Soil		SB-09 (8-10') L2547120-03 7/28/2025 Soil	
				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
<b>Total Metals (mg/kg)</b>															
Aluminum, Total	~	~	~	4960		4750		1750		4410		1160		2600	
Antimony, Total	~	~	~	4.33	U	4.69	U	8.32		4.52	U	8.75	U	21.2	U
Arsenic, Total	13	16	16	1.45		9.6		10.1		3.18		52.4		6.01	
Barium, Total	350	400	820	36.8		43		98.2		78.3		30.9		42.3	
Beryllium, Total	7.2	590	47	0.372	J	0.289	J	0.829		0.299	J	0.111	J	2.12	U
Cadmium, Total	2.5	9.3	7.5	0.092	J	0.512	J	0.537	J	0.521	J	0.53	J	0.344	J
Calcium, Total	~	~	~	628		66600		1120		2130		656		16400	
Chromium, Total <sup>1</sup>	30	1,500	~	14.8		13.6		28.9		10.4		3.11		17.2	
Cobalt, Total	~	~	~	5.42		4.71		4.23		6.89		10.3		17.8	
Copper, Total	50	270	1,720	13.4		43		235		276		20		30.3	
Iron, Total	~	~	~	17600		14700		24400		12800		61200		10900	
Lead, Total	63	1,000	450	8.46		47.6		334		112		169		226	
Magnesium, Total	~	~	~	1670		9220		424		1490		91.3		1050	
Manganese, Total	1,600	10,000	2,000	400		315		60.4		91.3		35.4		173	
Mercury, Total	0.18	3	1	0.078	U	0.102		0.577		0.295		0.053	J	0.299	
Nickel, Total	30	310	130	13.3		93.9		18		191		947		7610	
Potassium, Total	~	~	~	1020		625		529		629		279	J	496	J
Selenium, Total	4	1,500	4	1.73	U	0.87	J	2.56		0.549	J	13.7		8.47	U
Silver, Total	2	1500	8.3	0.433	U	0.469	U	0.455	U	0.452	U	0.875	U	2.12	U
Sodium, Total	~	~	~	206		342		182	U	96	J	213	J	847	U
Thallium, Total	~	~	~	1.73	U	1.88	U	1.82	U	1.81	U	3.5	U	8.47	U
Vanadium, Total	~	~	~	22.4		15.4		13.7		14.4		8.58		14.3	
Zinc, Total	109	10,000	2,480	28.4		257		721		1020		91.9		73.8	
<b>General Chemistry (mg/kg)</b>															
Chromium, Hexavalent	1	400	19	0.891	U	0.947	U	0.915	U	0.91	U	0.264	J	0.901	U
Cyanide, Total	27	27	40	0.65	J	25		11		3.5		16		17	

**TABLE NOTES:**

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mg/kg: Milligrams per Kilogram.

~ : No Standards or Guidance Value.

J : Analyte detected at or above the MDL (method detection limit)

U : but below the RL (Reporting Limit)

1: The soil cleanup objectives for Total Chromium are compared to

**Table 4 - Total Metals in Soil  
Remedial Investigation Report**

**9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397**

LOCATION LAB SAMPLE ID SAMPLING DATE SAMPLE TYPE	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	SB-10 (1-3') L2546920-08 7/25/2025 Soil		SB-10 (8-10') L2546920-10 7/25/2025 Soil		SB-11 (1-3') L2546920-13 7/25/2025 Soil		SB-11 (8-10') L2546920-15 7/25/2025 Soil		07.25.25_DUP L2546920-07 7/25/2025 Soil		FIELD DUPLICATE_07282025 L2547120-24 7/28/2025 Soil	
				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
<b>Total Metals (mg/kg)</b>															
Aluminum, Total	~	~	~	3850		3720		4360		2070		*SB-07 (1-3') Dup		*SB-05 (1-3') Dup	
Antimony, Total	~	~	~	4.69	U	4.5	U	4.23	U	125		4.21	U	4.26	U
Arsenic, Total	13	16	16	6.96		3.01		3.06		11.5		1.43		7.79	
Barium, Total	350	400	820	60.7		56.4		47.2		85.3		33		85.9	
Beryllium, Total	7.2	590	47	0.289	J	0.249	J	0.323	J	0.216	J	0.364	J	0.188	J
Cadmium, Total	2.5	9.3	7.5	0.291	J	0.109	J	0.2	J	0.47	J	0.312	J	0.424	J
Calcium, Total				4250		2730		1750		23400		734		5120	
Chromium, Total <sup>1</sup>	30	1,500	~	33.9		14.6		21.5		9.73		13.4		13.3	
Cobalt, Total	~	~	~	4.22		4.6		12.7		15.6		4.69		7.11	
Copper, Total	50	270	1,720	148		15.6		120		1320		20.2		124	
Iron, Total	~	~	~	12200		8600		15300		23000		15200		22600	
Lead, Total	63	1,000	450	394		75.1		80.3		1630		19.2		156	
Magnesium, Total	~	~	~	1710		907		1230		1680		1790		1860	
Manganese, Total	1,600	10,000	2,000	188		139		303		134		325		255	
Mercury, Total	0.18	3	1	0.215		0.086		0.192		0.364		0.077	U	0.401	
Nickel, Total	30	310	130	24.4		21.3		1100		1140		274		19.4	
Potassium, Total	~	~	~	749		490		831		472		947		1180	
Selenium, Total	4	1,500	4	0.439	J	0.488	J	0.463	J	1.57	J	1.68	U	0.91	J
Silver, Total	2	1500	8.3	0.469	U	0.45	U	0.423	U	0.846		0.421	U	0.426	U
Sodium, Total	~	~	~	213		180	U	206		636		308		274	
Thallium, Total	~	~	~	1.88	U	1.8	U	1.69	U	1.74	U	1.68	U	1.7	U
Vanadium, Total	~	~	~	14.8		12.4		19.2		16.8		20.2		13.4	
Zinc, Total	109	10,000	2,480	330		30.8		76.1		592		160		219	
<b>General Chemistry (mg/kg)</b>															
Chromium, Hexavalent	1	400	19	1.62		0.914	U	0.2	J	0.892	U	0.876	U	0.893	U
Cyanide, Total	27	27	40	0.43	J	8.3		0.43	J	2.6		1.1	U	7.3	

**TABLE NOTES:**

	Analyte exceeds the NYSDEC Part 375 Unrestricted Use SCO.
	Analyte exceeds the NYSDEC Part 375 Unrestricted Use and Restricted-Commercial Use SCOs.
	Analyte exceeds the NYSDEC Part 375 Unrestricted Use and Protection of Groundwater SCOs.
	Analyte exceeds the NYSDEC Part 375 Unrestricted Use, Restricted-Commercial Use, and Protection of Groundwater SCOs.

U : Not detected at the reported detection limit for the sample.

mg/kg: Milligrams per Kilogram.

~: No Standards or Guidance Value.

J: Analyte detected at or above the MDL (method detection limit)

J: but below the RL (Reporting Limit)

1: The soil cleanup objectives for Total Chromium are compared to t

Table 5 - Pesticides, Polychlorinated Biphenyls, and Herbicides in Soil  
Remedial Investigation Report

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

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LOCATION LAB SAMPLE ID SAMPLING DATE SAMPLE TYPE	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	SB-01 (1-3') L2547120-13 7/28/2025 Soil		SB-01 (7-9') L2547120-15 7/28/2025 Soil		SB-02 (1-3') L2547120-27 7/28/2025 Soil		SB-02 (8-10') L2547120-29 7/28/2025 Soil		SB-03 (1-3') L2547120-07 7/28/2025 Soil		SB-03 (5-7') L2547120-09 7/28/2025 Soil	
				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
				Organochlorine Pesticides by GC (mg/kg)											
4,4'-DDD	0.00330	92	14	0.00178	U	0.00189	U	0.00173	U	0.00178	U	0.00171	U	0.00265	U
4,4'-DDE	0.00330	62.0	17	0.00178	U	0.00189	U	0.00251	IP	0.00178	U	0.00171	U	0.00265	U
4,4'-DDT	0.00330	47.0	136	0.00178	U	0.00189	U	0.00173	U	0.00178	U	0.00171	U	0.00265	U
Aldrin	0.00500	0.680	0.190	0.00178	U	0.00189	U	0.00173	U	0.00178	U	0.00171	U	0.00265	U
Alpha-BHC	0.0200	3.40	0.0200	0.000744	U	0.000787	U	0.00072	U	0.000743	U	0.000714	U	0.0011	U
Beta-BHC	0.0360	3.0	0.090	0.00178	U	0.00189	U	0.00173	U	0.00178	U	0.00171	U	0.00265	U
Chlordane	~	~	~	0.0149	U	0.0157	U	0.0144	U	0.0149	U	0.0143	U	0.022	U
cis-Chlordane	0.094	24	2.9	0.00223	U	0.00236	U	0.00216	U	0.00223	U	0.00214	U	0.00331	U
Delta-BHC	0.0400	500	0.250	0.00178	U	0.00189	U	0.00173	U	0.00178	U	0.00171	U	0.00265	U
Dieldrin	0.00500	1.4	0.100	0.00112	U	0.00118	U	0.00108	U	0.00111	U	0.00107	U	0.00165	U
Endosulfan I	2.400	200	102	0.00178	U	0.00189	U	0.00173	U	0.00178	U	0.00171	U	0.00265	U
Endosulfan II	2.400	200	102	0.00178	U	0.00189	U	0.00173	U	0.00178	U	0.00171	U	0.00265	U
Endosulfan sulfate	2.400	200	1,000	0.000744	U	0.000787	U	0.00072	U	0.000743	U	0.000714	U	0.0011	U
Endrin	0.0140	89	0.0600	0.000744	U	0.000787	U	0.00072	U	0.000743	U	0.000714	U	0.0011	U
Endrin aldehyde	~	~	~	0.00223	U	0.00236	U	0.00216	U	0.00223	U	0.00214	U	0.00331	U
Endrin ketone	~	~	~	0.00178	U	0.00189	U	0.00173	U	0.00178	U	0.00171	U	0.00265	U
Heptachlor	0.042	15.0	0.380	0.000892	U	0.000944	U	0.00174	IP	0.000892	U	0.000857	U	0.00132	U
Heptachlor epoxide	~	~	~	0.00335	U	0.00354	U	0.00324	U	0.00334	U	0.00321	U	0.00496	U
Lindane	0.1000	9.2	0.100	0.000744	U	0.000787	U	0.00072	U	0.000743	U	0.000714	U	0.0011	U
Methoxychlor	~	~	~	0.00335	U	0.00354	U	0.00324	U	0.00334	U	0.00321	U	0.00496	U
Toxaphene	~	~	~	0.0335	U	0.0354	U	0.0324	U	0.0334	U	0.0321	U	0.0496	U
trans-Chlordane	~	~	~	0.00223	U	0.00236	U	0.00216	U	0.00223	U	0.00214	U	0.00331	U
Polychlorinated Biphenyls by GC (mg/kg)															
Aroclor 1016	0.1	1	3.2	0.0577	U	0.0593	U	0.0537	U	0.0547	U	0.0524	U	0.0567	U
Aroclor 1221	0.1	1	3.2	0.0577	U	0.0593	U	0.0537	U	0.0547	U	0.0524	U	0.0567	U
Aroclor 1232	0.1	1	3.2	0.0577	U	0.0593	U	0.0537	U	0.0547	U	0.0524	U	0.0567	U
Aroclor 1242	0.1	1	3.2	0.0577	U	0.0593	U	0.0537	U	0.0547	U	0.0524	U	0.0567	U
Aroclor 1248	0.1	1	3.2	0.0577	U	0.0593	U	0.0537	U	0.0547	U	0.0524	U	0.0567	U
Aroclor 1254	0.1	1	3.2	0.0577	U	0.0593	U	0.0537	U	0.0114	J	0.0524	U	0.0567	U
Aroclor 1260	0.1	1	3.2	0.0577	U	0.0593	U	0.0537	U	0.0547	U	0.0524	U	0.0567	U
Aroclor 1262	0.1	1	3.2	0.0577	U	0.0593	U	0.0537	U	0.0547	U	0.0524	U	0.0567	U
Aroclor 1268	0.1	1	3.2	0.0577	U	0.0593	U	0.0537	U	0.0547	U	0.0524	U	0.0567	U
PCBs, Total	0.100	1	3.200	0.0577	U	0.0593	U	0.0537	U	0.0114	J	0.0524	U	0.0567	U
Chlorinated Herbicides by GC (mg/kg)															
2,4,5-T	~	~	~	0.1920	U	0.1940	U	0.1790	U	0.1880	U	0.1780	U	0.1880	U
2,4,5-TP (Silvex)	3.800	500	3.800	0.1920	U	0.1940	U	0.1790	U	0.1880	U	0.1780	U	0.1880	U
2,4-D	~	~	~	0.1920	U	0.1940	U	0.1790	U	0.1880	U	0.1780	U	0.1880	U

TABLE NOTES:

Analyte exceeds the NYSDEC Part 375 Unrestricted Use SCO.

U : Not detected at the reported detection limit for the sample.

J : Estimated value.

mg/kg: Milligrams per Kilogram.

~ : No Standards or Guidance Value.

The lower value for the two columns has been reported due to obvious

I : interference.

The RPD between the results for the two columns exceeds the method-

P : specified criteria.

**Table 5 - Pesticides, Polychlorinated Biphenyls, and Herbicides in Soil  
Remedial Investigation Report**

**9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397**

LOCATION LAB SAMPLE ID SAMPLING DATE SAMPLE TYPE	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	SB-04 (1-3')		SB-04 (8-10')		SB-05 (1-3')		SB-05 (7-9')		SB-06 (1-3')		SB-06 (8-10')	
				L2546920-25 7/25/2025 Soil		L2546920-27 7/25/2025 Soil		L2547120-19 7/28/2025 Soil		L2547120-21 7/28/2025 Soil		L2546920-30 7/25/2025 Soil		L2546920-32 7/25/2025 Soil	
				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
<b>Organochlorine Pesticides by GC (mg/kg)</b>															
4,4'-DDD	0.00330	92	14	0.00186	U	0.00175	U	0.00178	IP	0.00171	U	0.00172	U	0.00168	U
4,4'-DDE	0.00330	62.0	17	0.000466	J	0.00175	U	0.0605		0.00171	U	0.00172	U	0.00168	U
4,4'-DDT	0.00330	47.0	136	0.00186	U	0.00175	U	0.0701		0.00171	U	0.00172	U	0.00168	U
Aldrin	0.00500	0.680	0.190	0.00186	U	0.00175	U	0.00169	U	0.00171	U	0.00172	U	0.00168	U
Alpha-BHC	0.0200	3.40	0.0200	0.000777	U	0.000729	U	0.000704	U	0.000712	U	0.000715	U	0.000701	U
Beta-BHC	0.0360	3.0	0.090	0.00186	U	0.00175	U	0.00169	U	0.00171	U	0.00172	U	0.00168	U
Chlordane	~	~	~	0.0155	U	0.0146	U	0.0141	U	0.0142	U	0.0143	U	0.014	U
cis-Chlordane	0.094	24	2.9	0.00233	U	0.00219	U	0.00211	U	0.00214	U	0.00214	U	0.0021	U
Delta-BHC	0.0400	500	0.250	0.00186	U	0.00175	U	0.00169	U	0.00171	U	0.00172	U	0.00168	U
Dieldrin	0.00500	1.4	0.100	0.00116	U	0.00109	U	0.00106	U	0.00107	U	0.00107	U	0.00105	U
Endosulfan I	2.400	200	102	0.00186	U	0.00175	U	0.00169	U	0.00171	U	0.00172	U	0.00168	U
Endosulfan II	2.400	200	102	0.00186	U	0.00175	U	0.00169	U	0.00171	U	0.00172	U	0.00168	U
Endosulfan sulfate	2.400	200	1,000	0.000777	U	0.000729	U	0.000704	U	0.000712	U	0.000715	U	0.000701	U
Endrin	0.0140	89	0.0600	0.000777	U	0.000729	U	0.000704	U	0.000712	U	0.000715	U	0.000701	U
Endrin aldehyde	~	~	~	0.00233	U	0.00219	U	0.00211	U	0.00214	U	0.00214	U	0.0021	U
Endrin ketone	~	~	~	0.00186	U	0.00175	U	0.00169	U	0.00171	U	0.00172	U	0.00168	U
Heptachlor	0.042	15.0	0.380	0.000932	U	0.000875	U	0.000845	U	0.000855	U	0.000858	U	0.000841	U
Heptachlor epoxide	~	~	~	0.0035	U	0.00328	U	0.00317	U	0.00321	U	0.00322	U	0.00315	U
Lindane	0.1000	9.2	0.100	0.000777	U	0.000729	U	0.000704	U	0.000712	U	0.000715	U	0.000701	U
Methoxychlor	~	~	~	0.0035	U	0.00328	U	0.00317	U	0.00321	U	0.00322	U	0.00315	U
Toxaphene	~	~	~	0.035	U	0.0328	U	0.0317	U	0.0321	U	0.0322	U	0.0315	U
trans-Chlordane	~	~	~	0.00233	U	0.00219	U	0.00211	U	0.00214	U	0.00214	U	0.0021	U
<b>Polychlorinated Biphenyls by GC (mg/kg)</b>															
Aroclor 1016	0.1	1	3.2	0.0588	U	0.0536	U	0.0551	U	0.0537	U	0.0547	U	0.0506	U
Aroclor 1221	0.1	1	3.2	0.0588	U	0.0536	U	0.0551	U	0.0537	U	0.0547	U	0.0506	U
Aroclor 1232	0.1	1	3.2	0.0588	U	0.0536	U	0.0551	U	0.0537	U	0.0547	U	0.0506	U
Aroclor 1242	0.1	1	3.2	0.0588	U	0.0536	U	0.0551	U	0.0537	U	0.0547	U	0.0506	U
Aroclor 1248	0.1	1	3.2	0.0588	U	0.0536	U	0.0551	U	0.0537	U	0.0547	U	0.0506	U
Aroclor 1254	0.1	1	3.2	0.0588	U	0.0536	U	0.0551	U	0.0537	U	0.0547	U	0.0506	U
Aroclor 1260	0.1	1	3.2	0.0588	U	0.0536	U	0.0551	U	0.0537	U	0.0547	U	0.0506	U
Aroclor 1262	0.1	1	3.2	0.0588	U	0.0536	U	0.0551	U	0.0537	U	0.0547	U	0.0506	U
Aroclor 1268	0.1	1	3.2	0.0588	U	0.0536	U	0.0551	U	0.0537	U	0.0547	U	0.0506	U
PCBs, Total	0.100	1	3.200	0.0588	U	0.0536	U	0.0551	U	0.0537	U	0.0547	U	0.0506	U
<b>Chlorinated Herbicides by GC (mg/kg)</b>															
2,4,5-T	~	~	~	0.1950	U	0.1880	U	0.1830	U	0.1830	U	0.1840	U	0.1720	U
2,4,5-TP (Silvex)	3.800	500	3.800	0.1950	U	0.1880	U	0.1830	U	0.1830	U	0.1840	U	0.1720	U
2,4-D	~	~	~	0.1950	U	0.1880	U	0.1830	U	0.1830	U	0.1840	U	0.1720	U

**TABLE NOTES:**

Analyte exceeds the NYSDEC Part 375 Unrestricted Use SCO.

U : Not detected at the reported detection limit for the sample.

J : Estimated value.

mg/kg: Milligrams per Kilogram.

~ : No Standards or Guidance Value.

The lower value for the two columns has been reported due to obvious

I : interference.

The RPD between the results for the two columns exceeds the method-

P : specified criteria.

**Table 5 - Pesticides, Polychlorinated Biphenyls, and Herbicides in Soil  
Remedial Investigation Report**

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

LOCATION LAB SAMPLE ID SAMPLING DATE SAMPLE TYPE	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	SB-07 (1-3')		SB-07 (8-10')		SB-08 (1-3')		SB-08 (7-9')		SB-09 (1-3')		SB-09 (8-10')	
				L2546920-01 7/25/2025 Soil		L2546920-03 7/25/2025 Soil		L2546920-18 7/25/2025 Soil		L2546920-20 7/25/2025 Soil		L2547120-01 7/28/2025 Soil		L2547120-03 7/28/2025 Soil	
				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
<b>Organochlorine Pesticides by GC (mg/kg)</b>															
4,4'-DDD	0.00330	92	14	0.00176	U	0.00182	U	0.000978	J	0.00175	U	0.00174	U	0.0018	U
4,4'-DDE	0.00330	62.0	17	0.00176	U	0.00111	JIP	0.00203		0.000524	JIP	0.00174	U	0.0018	U
4,4'-DDT	0.00330	47.0	136	0.00176	U	0.00182	U	0.00509		0.00179		0.00174	U	0.0018	U
Aldrin	0.00500	0.680	0.190	0.00176	U	0.00182	U	0.00175	U	0.00175	U	0.00174	U	0.0018	U
Alpha-BHC	0.0200	3.40	0.0200	0.000735	U	0.000757	U	0.00073	U	0.00073	U	0.000726	U	0.000749	U
Beta-BHC	0.0360	3.0	0.090	0.00176	U	0.00182	U	0.00175	U	0.00175	U	0.00174	U	0.00108	J
Chlordane	~	~	~	0.0147	U	0.0151	U	0.0146	U	0.0146	U	0.0145	U	0.015	U
cis-Chlordane	0.094	24	2.9	0.0022	U	0.00227	U	0.00219	U	0.00219	U	0.00218	U	0.00225	U
Delta-BHC	0.0400	500	0.250	0.00176	U	0.00182	U	0.00175	U	0.00175	U	0.00174	U	0.0018	U
Dieldrin	0.00500	1.4	0.100	0.0011	U	0.00114	U	0.0011	U	0.0011	U	0.00109	U	0.00112	U
Endosulfan I	2.400	200	102	0.00176	U	0.00182	U	0.00175	U	0.00175	U	0.00174	U	0.0018	U
Endosulfan II	2.400	200	102	0.00176	U	0.00182	U	0.00175	U	0.00175	U	0.00174	U	0.0018	U
Endosulfan sulfate	2.400	200	1,000	0.000735	U	0.000757	U	0.00073	U	0.00073	U	0.000726	U	0.000749	U
Endrin	0.0140	89	0.0600	0.000735	U	0.000757	U	0.00073	U	0.00073	U	0.000726	U	0.000749	U
Endrin aldehyde	~	~	~	0.0022	U	0.00227	U	0.00219	U	0.00219	U	0.00218	U	0.00225	U
Endrin ketone	~	~	~	0.00176	U	0.00182	U	0.00175	U	0.00175	U	0.00174	U	0.0018	U
Heptachlor	0.042	15.0	0.380	0.000882	U	0.000908	U	0.000876	U	0.000876	U	0.000872	U	0.000898	U
Heptachlor epoxide	~	~	~	0.00331	U	0.0034	U	0.00328	U	0.00328	U	0.00327	U	0.00337	U
Lindane	0.1000	9.2	0.100	0.000735	U	0.000757	U	0.00073	U	0.00073	U	0.000726	U	0.000749	U
Methoxychlor	~	~	~	0.00331	U	0.0034	U	0.00328	U	0.00328	U	0.00327	U	0.00337	U
Toxaphene	~	~	~	0.0331	U	0.034	U	0.0328	U	0.0328	U	0.0327	U	0.0337	U
trans-Chlordane	~	~	~	0.0022	U	0.00227	U	0.00219	U	0.00219	U	0.00218	U	0.00225	U
<b>Polychlorinated Biphenyls by GC (mg/kg)</b>															
Aroclor 1016	0.1	1	3.2	0.0546	U	0.0551	U	0.0546	U	0.0534	U	0.0527	U	0.0557	U
Aroclor 1221	0.1	1	3.2	0.0546	U	0.0551	U	0.0546	U	0.0534	U	0.0527	U	0.0557	U
Aroclor 1232	0.1	1	3.2	0.0546	U	0.0551	U	0.0546	U	0.0534	U	0.0527	U	0.0557	U
Aroclor 1242	0.1	1	3.2	0.0546	U	0.0551	U	0.0546	U	0.0534	U	0.0527	U	0.0557	U
Aroclor 1248	0.1	1	3.2	0.0546	U	0.0551	U	0.0546	U	0.0534	U	0.0527	U	0.0557	U
Aroclor 1254	0.1	1	3.2	0.0546	U	0.0551	U	0.0546	U	0.0534	U	0.0527	U	0.0557	U
Aroclor 1260	0.1	1	3.2	0.0546	U	0.0551	U	0.0546	U	0.0534	U	0.0527	U	0.0557	U
Aroclor 1262	0.1	1	3.2	0.0546	U	0.0551	U	0.0546	U	0.0534	U	0.0527	U	0.0557	U
Aroclor 1268	0.1	1	3.2	0.0546	U	0.0551	U	0.0546	U	0.0534	U	0.0527	U	0.0557	U
PCBs, Total	0.100	1	3.200	0.0546	U	0.0551	U	0.0546	U	0.0534	U	0.0527	U	0.0557	U
<b>Chlorinated Herbicides by GC (mg/kg)</b>															
2,4,5-T	~	~	~	0.1830	U	0.1960	U	0.1880	U	0.1850	U	0.1820	U	0.1860	U
2,4,5-TP (Silvex)	3.800	500	3.800	0.1830	U	0.1960	U	0.1880	U	0.1850	U	0.1820	U	0.1860	U
2,4-D	~	~	~	0.1830	U	0.1960	U	0.1880	U	0.1850	U	0.1820	U	0.1860	U

**TABLE NOTES:**

Analyte exceeds the NYSDEC Part 375 Unrestricted Use SCO.

U : Not detected at the reported detection limit for the sample.

J : Estimated value.

mg/kg: Milligrams per Kilogram.

~ : No Standards or Guidance Value.

The lower value for the two columns has been reported due to obvious

I : interference.

The RPD between the results for the two columns exceeds the method-

P : specified criteria.

**Table 5 - Pesticides, Polychlorinated Biphenyls, and Herbicides in Soil  
Remedial Investigation Report**

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

LOCATION LAB SAMPLE ID SAMPLING DATE SAMPLE TYPE	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	SB-10 (1-3')		SB-10 (8-10')		SB-11 (1-3')		SB-11 (8-10')		07.25.25_DUP L2546920-07 7/25/2025 Soil		FIELD DUPLICATE_07282025 L2547120-24 7/28/2025 Soil	
				L2546920-08 7/25/2025 Soil		L2546920-10 7/25/2025 Soil		L2546920-13 7/25/2025 Soil		L2546920-15 7/25/2025 Soil		L2546920-07 7/25/2025 Soil		L2547120-24 7/28/2025 Soil	
				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
<b>Organochlorine Pesticides by GC (mg/kg)</b>												*SB-07 (2') Dup		*SB-05 (3') Dup	
4,4'-DDD	0.00330	92	14	0.00191	U	0.00176	U	0.00176	U	0.00177	U	0.00167	U	0.00109	JIP
4,4'-DDE	0.00330	62.0	17	0.00058	J	0.00252		0.00176	U	0.000684	J	0.00167	U	0.0465	
4,4'-DDT	0.00330	47.0	136	0.00191	U	0.00176	U	0.00176	U	0.00177	U	0.00167	U	0.0402	
Aldrin	0.00500	0.680	0.190	0.00191	U	0.00176	U	0.00176	U	0.00177	U	0.00167	U	0.00174	U
Alpha-BHC	0.0200	3.40	0.0200	0.000797	U	0.000734	U	0.000734	U	0.000739	U	0.000696	U	0.000727	U
Beta-BHC	0.0360	3.0	0.090	0.00191	U	0.00176	U	0.00176	U	0.00177	U	0.00167	U	0.00174	U
Chlordane	~	~	~	0.0159	U	0.0147	U	0.0147	U	0.0148	U	0.0139	U	0.0145	U
cis-Chlordane	0.094	24	2.9	0.00239	U	0.0022	U	0.0022	U	0.00222	U	0.00209	U	0.00218	U
Delta-BHC	0.0400	500	0.250	0.00191	U	0.00176	U	0.00176	U	0.00177	U	0.00167	U	0.00174	U
Dieldrin	0.00500	1.4	0.100	0.0012	U	0.0011	U	0.0011	U	0.00111	U	0.00104	U	0.00109	U
Endosulfan I	2.400	200	102	0.00191	U	0.00176	U	0.00176	U	0.00177	U	0.00167	U	0.00174	U
Endosulfan II	2.400	200	102	0.00191	U	0.00176	U	0.00176	U	0.00177	U	0.00167	U	0.00174	U
Endosulfan sulfate	2.400	200	1,000	0.000797	U	0.000734	U	0.000734	U	0.000739	U	0.000696	U	0.000727	U
Endrin	0.0140	89	0.0600	0.000797	U	0.000734	U	0.000734	U	0.000739	U	0.000696	U	0.000727	U
Endrin aldehyde	~	~	~	0.00239	U	0.0022	U	0.0022	U	0.00222	U	0.00209	U	0.00218	U
Endrin ketone	~	~	~	0.00191	U	0.00176	U	0.00176	U	0.00177	U	0.00167	U	0.00174	U
Heptachlor	0.042	15.0	0.380	0.000956	U	0.000881	U	0.000881	U	0.000886	U	0.000835	U	0.000872	U
Heptachlor epoxide	~	~	~	0.00359	U	0.0033	U	0.0033	U	0.00332	U	0.00313	U	0.00327	U
Lindane	0.1000	9.2	0.100	0.000797	U	0.000734	U	0.000734	U	0.000739	U	0.000696	U	0.000727	U
Methoxychlor	~	~	~	0.00359	U	0.0033	U	0.0033	U	0.00332	U	0.00313	U	0.00327	U
Toxaphene	~	~	~	0.0359	U	0.033	U	0.033	U	0.0332	U	0.0313	U	0.0327	U
trans-Chlordane	~	~	~	0.00239	U	0.0022	U	0.0022	U	0.00222	U	0.00209	U	0.00218	U
<b>Polychlorinated Biphenyls by GC (mg/kg)</b>															
Aroclor 1016	0.1	1	3.2	0.0588	U	0.0558	U	0.0555	U	0.0535	U	0.0518	U	0.0550	U
Aroclor 1221	0.1	1	3.2	0.0588	U	0.0558	U	0.0555	U	0.0535	U	0.0518	U	0.0550	U
Aroclor 1232	0.1	1	3.2	0.0588	U	0.0558	U	0.0555	U	0.0535	U	0.0518	U	0.0550	U
Aroclor 1242	0.1	1	3.2	0.0588	U	0.0558	U	0.0555	U	0.0535	U	0.0518	U	0.0550	U
Aroclor 1248	0.1	1	3.2	0.0588	U	0.0558	U	0.0555	U	0.0535	U	0.0518	U	0.0550	U
Aroclor 1254	0.1	1	3.2	0.0588	U	0.0558	U	0.0555	U	0.0535	U	0.0518	U	0.0550	U
Aroclor 1260	0.1	1	3.2	0.0588	U	0.0558	U	0.0555	U	0.0535	U	0.0518	U	0.0550	U
Aroclor 1262	0.1	1	3.2	0.0588	U	0.0558	U	0.0555	U	0.0535	U	0.0518	U	0.0550	U
Aroclor 1268	0.1	1	3.2	0.0588	U	0.0558	U	0.0555	U	0.0535	U	0.0518	U	0.0550	U
PCBs, Total	0.100	1	3.200	0.0588	U	0.0558	U	0.0555	U	0.0535	U	0.0518	U	0.0550	U
<b>Chlorinated Herbicides by GC (mg/kg)</b>															
2,4,5-T	~	~	~	0.1940	U	0.1900	U	0.1810	U	0.1830	U	0.1810	U	0.1840	U
2,4,5-TP (Silvex)	3.800	500	3.800	0.1940	U	0.1900	U	0.1810	U	0.1830	U	0.1810	U	0.1840	U
2,4-D	~	~	~	0.1940	U	0.1900	U	0.1810	U	0.1830	U	0.1810	U	0.1840	U

**TABLE NOTES:**

Analyte exceeds the NYSDEC Part 375 Unrestricted Use SCO.

U : Not detected at the reported detection limit for the sample.

J : Estimated value.

mg/kg: Milligrams per Kilogram.

~ : No Standards or Guidance Value.

The lower value for the two columns has been reported due to obvious

I : interference.

The RPD between the results for the two columns exceeds the method-

P : specified criteria.

Table 6 - Per- and Polyfluoroalkyl Substances in Soil  
Remedial Investigation Report

DRAFT PRINT

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

LOCATION LAB SAMPLE ID SAMPLING DATE SAMPLE TYPE	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	SB-01 (1-3')		SB-01 (7-9')		SB-02 (1-3')		SB-02 (8-10')		SB-03 (1-3')		SB-03 (5-7')	
				L2547120-13		L2547120-15		L2547120-27		L2547120-29		L2547120-07		L2547120-09	
				7/28/2025 Soil		7/28/2025 Soil		7/28/2025 Soil		7/28/2025 Soil		7/28/2025 Soil		7/28/2025 Soil	
				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
<b>PFAS, EPA 1633 Target List (ug/kg)</b>															
11-Chloroicosafafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	~	~	~	0.793	U	0.794	U	0.793	U	0.8	U	0.796	U	0.796	U
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	~	~	~	0.793	U	0.794	U	0.793	U	0.8	U	0.796	U	0.796	U
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	~	~	~	0.793	U	0.794	U	0.793	U	0.8	U	0.796	U	0.796	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	~	~	~	0.793	U	0.794	U	0.793	U	0.8	U	0.796	U	0.796	U
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	~	~	~	4.96	U	4.96	U	4.96	U	5	U	4.97	U	4.98	U
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	~	~	~	4.96	U	4.96	U	4.96	U	5	U	4.97	U	4.98	U
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	~	~	~	0.992	U	0.993	U	0.992	U	1	U	0.995	U	0.995	U
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	~	~	~	0.793	U	0.794	U	0.793	U	0.8	U	0.796	U	0.796	U
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	~	~	~	0.793	U	0.794	U	0.793	U	0.8	U	0.796	U	0.796	U
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	~	~	~	0.793	U	0.794	U	0.793	U	0.8	U	0.796	U	0.796	U
N-Ethyl Perfluorooctane Sulfonamide (NETFOSA)	~	~	~	0.198	U	0.199	U	0.198	U	0.2	U	0.199	U	0.199	U
N-Ethyl Perfluorooctanesulfonamido Ethanol (NETFOSE)	~	~	~	1.98	U	1.99	U	1.98	U	2	U	1.99	U	1.99	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NETFOSAA)	~	~	~	0.198	U	0.199	U	0.198	U	0.2	U	0.199	U	0.199	U
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	~	~	~	0.198	U	0.199	U	0.198	U	0.2	U	0.199	U	0.199	U
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	~	~	~	1.98	U	1.99	U	1.98	U	2	U	1.99	U	1.99	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	~	~	~	0.198	U	0.199	U	0.198	U	0.2	U	0.199	U	0.199	U
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	~	~	~	0.397	U	0.397	U	0.397	U	0.4	U	0.398	U	0.398	U
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEEA)	~	~	~	0.397	U	0.397	U	0.397	U	0.4	U	0.398	U	0.398	U
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	~	~	~	0.397	U	0.397	U	0.397	U	0.4	U	0.398	U	0.398	U
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	~	~	~	0.397	U	0.397	U	0.397	U	0.4	U	0.398	U	0.398	U
Perfluorobutanesulfonic Acid (PFBS)	~	~	~	0.198	U	0.199	U	0.198	U	0.2	U	0.199	U	0.199	U
Perfluorobutanoic Acid (PFBA)	~	~	~	0.793	U	0.794	U	0.793	U	0.8	U	0.121	J	0.044	J
Perfluorodecanesulfonic Acid (PFDS)	~	~	~	0.198	U	0.199	U	0.198	U	0.2	U	0.199	U	0.199	U
Perfluorodecanoic Acid (PFDA)	~	~	~	0.198	U	0.199	U	0.198	U	0.2	U	0.199	U	0.199	U
Perfluorododecanesulfonic Acid (PFDoS)	~	~	~	0.198	U	0.199	U	0.198	U	0.2	U	0.199	U	0.199	U
Perfluorododecanoic Acid (PFDoA)	~	~	~	0.198	U	0.199	U	0.198	U	0.2	U	0.199	U	0.199	U
Perfluoroheptanesulfonic Acid (PFHpS)	~	~	~	0.198	U	0.199	U	0.198	U	0.2	U	0.199	U	0.199	U
Perfluoroheptanoic Acid (PFHpA)	~	~	~	0.198	U	0.061	J	0.198	U	0.2	U	0.199	U	0.199	U
Perfluorohexanesulfonic Acid (PFHxS)	~	~	~	0.198	U	0.199	U	0.198	U	0.2	U	0.199	U	0.199	U
Perfluorohexanoic Acid (PFHxA)	~	~	~	0.198	U	0.199	U	0.198	U	0.2	U	0.199	U	0.199	U
Perfluorononanesulfonic Acid (PFNS)	~	~	~	0.198	U	0.199	U	0.198	U	0.2	U	0.199	U	0.199	U
Perfluorononanoic Acid (PFNA)	~	~	~	0.198	U	0.199	U	0.198	U	0.2	U	0.199	U	0.199	U
Perfluorooctanesulfonamide (PFOSA)	~	~	~	0.198	U	0.199	U	0.198	U	0.2	U	0.199	U	0.199	U
Perfluorooctanesulfonic Acid (PFOS)	0.88	440	1.0	0.198	U	0.079	J	0.198	U	0.137	J	0.691		0.749	
Perfluorooctanoic Acid (PFOA)	0.66	500	0.8	0.377		0.062	J	0.198	U	0.068	J	0.199	U	0.199	U
Perfluoropentanesulfonic Acid (PFPeS)	~	~	~	0.198	U	0.199	U	0.198	U	0.2	U	0.199	U	0.199	U
Perfluoropentanoic Acid (PFPeA)	~	~	~	0.397	U	0.042	J	0.397	U	0.4	U	0.398	U	0.398	U
Perfluorotetradecanoic Acid (PFTeDA)	~	~	~	0.198	U	0.199	U	0.198	U	0.2	U	0.199	U	0.199	U
Perfluorotridecanoic Acid (PFTrDA)	~	~	~	0.198	U	0.199	U	0.198	U	0.2	U	0.199	U	0.199	U
Perfluoroundecanoic Acid (PFUnA)	~	~	~	0.198	U	0.199	U	0.198	U	0.2	U	0.199	U	0.199	U

TABLE NOTES:

U : Not detected at the reported detection limit for the sample.  
J : Estimated value.

The ratio of quantifier ion response to qualifier ion response  
F: falls outside of the laboratory criteria. Results are considered  
to be an estimated maximum concentration.

ug/kg: Micrograms per Kilogram.

~ : No Standards or Guidance Value.

Value exceeds the NYSDEC Part 375 Unrestricted Use and  
Protection of Groundwater Soil Cleanup Objectives

Table 6 - Per- and Polyfluoroalkyl Substances in Soil  
Remedial Investigation Report

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

LOCATION LAB SAMPLE ID SAMPLING DATE SAMPLE TYPE	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	SB-04 (1-3')		SB-04 (8-10')		SB-05 (1-3')		SB-05 (7-9')		SB-06 (1-3')		SB-06 (8-10')	
				L2546920-25 7/25/2025 Soil		L2546920-27 7/25/2025 Soil		L2547120-19 7/28/2025 Soil		L2547120-21 7/28/2025 Soil		L2546920-30 7/25/2025 Soil		L2546920-32 7/25/2025 Soil	
				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
<b>PFAS, EPA 1633 Target List (ug/kg)</b>															
11-Chloroicosafafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	~	~	~	0.796	U	0.798	U	0.8	U	0.797	U	0.8	U	0.795	U
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	~	~	~	0.796	U	0.798	U	0.8	U	0.797	U	0.8	U	0.795	U
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	~	~	~	0.796	U	0.798	U	0.8	U	0.797	U	0.8	U	0.795	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	~	~	~	0.796	U	0.798	U	0.8	U	0.797	U	0.8	U	0.795	U
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	~	~	~	4.97	U	4.99	U	5	U	4.98	U	5	U	4.97	U
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	~	~	~	4.97	U	4.99	U	5	U	4.98	U	5	U	4.97	U
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	~	~	~	0.995	U	0.997	U	1	U	0.996	U	1	U	0.994	U
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	~	~	~	0.796	U	0.798	U	0.8	U	0.797	U	0.8	U	0.795	U
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	~	~	~	0.796	U	0.798	U	0.8	U	0.797	U	0.8	U	0.795	U
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	~	~	~	0.796	U	0.798	U	0.8	U	0.797	U	0.8	U	0.795	U
N-Ethyl Perfluorooctane Sulfonamide (NETFOSA)	~	~	~	0.199	U	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U
N-Ethyl Perfluorooctanesulfonamido Ethanol (NETFOSE)	~	~	~	1.99	U	1.99	U	2	U	1.99	U	2	U	1.99	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NETFOSAA)	~	~	~	0.199	U	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	~	~	~	0.199	U	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	~	~	~	1.99	U	1.99	U	2	U	1.99	U	2	U	1.99	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	~	~	~	0.199	U	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	~	~	~	0.398	U	0.399	U	0.4	U	0.398	U	0.4	U	0.398	U
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEEA)	~	~	~	0.398	U	0.399	U	0.4	U	0.398	U	0.4	U	0.398	U
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	~	~	~	0.398	U	0.399	U	0.4	U	0.398	U	0.4	U	0.398	U
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	~	~	~	0.398	U	0.399	U	0.4	U	0.398	U	0.4	U	0.398	U
Perfluorobutanesulfonic Acid (PFBS)	~	~	~	0.199	U	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U
Perfluorobutanoic Acid (PFBA)	~	~	~	0.052	J	0.798	U	0.031	J	0.797	U	0.8	U	0.795	U
Perfluorodecanesulfonic Acid (PFDS)	~	~	~	0.199	U	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U
Perfluorodecanoic Acid (PFDA)	~	~	~	0.199	U	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U
Perfluorododecanesulfonic Acid (PFDoS)	~	~	~	0.199	U	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U
Perfluorododecanoic Acid (PFDoA)	~	~	~	0.199	U	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U
Perfluoroheptanesulfonic Acid (PFHpS)	~	~	~	0.199	U	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U
Perfluoroheptanoic Acid (PFHpA)	~	~	~	0.199	U	0.199	U	0.059	J	0.199	U	0.2	U	0.199	U
Perfluorohexanesulfonic Acid (PFHxS)	~	~	~	0.034	JF	0.199	U	0.2	U	0.199	U	0.031	J	0.038	JF
Perfluorohexanoic Acid (PFHxA)	~	~	~	0.199	U	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U
Perfluorononanesulfonic Acid (PFNS)	~	~	~	0.199	U	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U
Perfluorononanoic Acid (PFNA)	~	~	~	0.199	U	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U
Perfluorooctanesulfonamide (PFOSA)	~	~	~	0.199	U	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U
Perfluorooctanesulfonic Acid (PFOS)	0.88	440	1.0	0.08	JF	0.199	U	0.191	J	0.054	J	0.234		0.322	
Perfluorooctanoic Acid (PFOA)	0.66	500	0.8	0.1	J	0.199	U	0.088	J	0.031	J	0.043	J	0.072	J
Perfluoropentanesulfonic Acid (PFPeS)	~	~	~	0.199	U	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U
Perfluoropentanoic Acid (PFPeA)	~	~	~	0.398	U	0.399	U	0.053	J	0.398	U	0.4	U	0.398	U
Perfluorotetradecanoic Acid (PFTeDA)	~	~	~	0.199	U	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U
Perfluorotridecanoic Acid (PFTrDA)	~	~	~	0.199	U	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U
Perfluoroundecanoic Acid (PFUnA)	~	~	~	0.199	U	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U

TABLE NOTES:

U : Not detected at the reported detection limit for the sample.  
J : Estimated value.

The ratio of quantifier ion response to qualifier ion response  
F: falls outside of the laboratory criteria. Results are considered  
to be an estimated maximum concentration.

ug/kg: Micrograms per Kilogram.

~ : No Standards or Guidance Value.

Value exceeds the NYSDEC Part 375 Unrestricted Use and  
Protection of Groundwater Soil Cleanup Objectives

Table 6 - Per- and Polyfluoroalkyl Substances in Soil  
Remedial Investigation Report

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

LOCATION LAB SAMPLE ID SAMPLING DATE SAMPLE TYPE	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	SB-07 (1-3') L2546920-01 7/25/2025 Soil		SB-07 (8-10') L2546920-03 7/25/2025 Soil		SB-08 (1-3') L2546920-18 7/25/2025 Soil		SB-08 (7-9') L2546920-20 7/25/2025 Soil		SB-09 (1-3') L2547120-01 7/28/2025 Soil		SB-09 (8-10') L2547120-03 7/28/2025 Soil	
				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
				PFAS, EPA 1633 Target List (ug/kg)											
11-Chloroicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	~	~	~	0.798	U	0.798	U	0.796	U	0.796	U	0.798	U	0.799	U
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	~	~	~	0.798	U	0.798	U	0.796	U	0.796	U	0.798	U	0.799	U
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	~	~	~	0.798	U	0.798	U	0.796	U	0.796	U	0.798	U	0.799	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	~	~	~	0.798	U	0.798	U	0.796	U	0.796	U	0.798	U	0.799	U
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	~	~	~	4.99	U	4.99	U	4.97	U	4.97	U	4.99	U	4.99	U
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	~	~	~	4.99	U	4.99	U	4.97	U	4.97	U	4.99	U	4.99	U
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	~	~	~	0.998	U	0.998	U	0.995	U	0.994	U	0.998	U	0.998	U
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	~	~	~	0.798	U	0.798	U	0.796	U	0.796	U	0.798	U	0.799	U
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	~	~	~	0.798	U	0.798	U	0.796	U	0.796	U	0.798	U	0.799	U
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	~	~	~	0.798	U	0.798	U	0.796	U	0.796	U	0.798	U	0.799	U
N-Ethyl Perfluorooctane Sulfonamide (NETFOSA)	~	~	~	0.2	U	0.2	U	0.199	U	0.199	U	0.2	U	0.2	U
N-Ethyl Perfluorooctanesulfonamido Ethanol (NETFOSE)	~	~	~	2	U	2	U	1.99	U	1.99	U	2	U	2	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NETFOSAA)	~	~	~	0.2	U	0.2	U	0.199	U	0.199	U	0.2	U	0.2	U
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	~	~	~	0.2	U	0.2	U	0.199	U	0.199	U	0.2	U	0.2	U
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	~	~	~	2	U	2	U	1.99	U	1.99	U	2	U	2	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	~	~	~	0.2	U	0.2	U	0.199	U	0.199	U	0.2	U	0.2	U
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	~	~	~	0.399	U	0.399	U	0.398	U	0.398	U	0.399	U	0.399	U
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEEA)	~	~	~	0.399	U	0.399	U	0.398	U	0.398	U	0.399	U	0.399	U
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	~	~	~	0.399	U	0.399	U	0.398	U	0.398	U	0.399	U	0.399	U
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	~	~	~	0.399	U	0.399	U	0.398	U	0.398	U	0.399	U	0.399	U
Perfluorobutanesulfonic Acid (PFBS)	~	~	~	0.2	U	0.2	U	0.199	U	0.199	U	0.2	U	0.2	U
Perfluorobutanoic Acid (PFBA)	~	~	~	0.798	U	0.798	U	0.796	U	0.796	U	0.798	U	0.799	U
Perfluorodecanesulfonic Acid (PFDS)	~	~	~	0.2	U	0.2	U	0.199	U	0.199	U	0.2	U	0.2	U
Perfluorodecanoic Acid (PFDA)	~	~	~	0.2	U	0.2	U	0.199	U	0.199	U	0.2	U	0.2	U
Perfluorododecanesulfonic Acid (PFDoS)	~	~	~	0.2	U	0.2	U	0.199	U	0.199	U	0.2	U	0.2	U
Perfluorododecanoic Acid (PFDoA)	~	~	~	0.2	U	0.2	U	0.199	U	0.199	U	0.2	U	0.2	U
Perfluoroheptanesulfonic Acid (PFHpS)	~	~	~	0.2	U	0.2	U	0.199	U	0.199	U	0.2	U	0.2	U
Perfluoroheptanoic Acid (PFHpA)	~	~	~	0.2	U	0.2	U	0.199	U	0.199	U	0.2	U	0.2	U
Perfluorohexanesulfonic Acid (PFHxS)	~	~	~	0.2	U	0.2	U	0.199	U	0.154	JF	0.107	JF	0.2	U
Perfluorohexanoic Acid (PFHxA)	~	~	~	0.2	U	0.2	U	0.199	U	0.199	U	0.2	U	0.2	U
Perfluorononanesulfonic Acid (PFNS)	~	~	~	0.2	U	0.2	U	0.199	U	0.199	U	0.2	U	0.2	U
Perfluorononanoic Acid (PFNA)	~	~	~	0.2	U	0.2	U	0.199	U	0.199	U	0.2	U	0.2	U
Perfluorooctanesulfonamide (PFOSA)	~	~	~	0.2	U	0.2	U	0.199	U	0.199	U	0.2	U	0.2	U
Perfluorooctanesulfonic Acid (PFOS)	0.88	440	1.0	0.116	J	0.057	J	0.678		1.12		0.123	JF	0.335	
Perfluorooctanoic Acid (PFOA)	0.66	500	0.8	0.263		0.104	J	0.047	J	0.092	J	0.223		0.12	J
Perfluoropentanesulfonic Acid (PFPeS)	~	~	~	0.2	U	0.2	U	0.199	U	0.199	U	0.2	U	0.2	U
Perfluoropentanoic Acid (PFPeA)	~	~	~	0.399	U	0.399	U	0.398	U	0.398	U	0.399	U	0.399	U
Perfluorotetradecanoic Acid (PFTeDA)	~	~	~	0.2	U	0.2	U	0.199	U	0.199	U	0.2	U	0.2	U
Perfluorotridecanoic Acid (PFTrDA)	~	~	~	0.2	U	0.2	U	0.199	U	0.199	U	0.2	U	0.2	U
Perfluoroundecanoic Acid (PFUnA)	~	~	~	0.2	U	0.2	U	0.199	U	0.199	U	0.2	U	0.2	U

TABLE NOTES:

U : Not detected at the reported detection limit for the sample.  
J : Estimated value.

The ratio of quantifier ion response to qualifier ion response  
F: falls outside of the laboratory criteria. Results are considered  
to be an estimated maximum concentration.

ug/kg: Micrograms per Kilogram.

~ : No Standards or Guidance Value.

Value exceeds the NYSDEC Part 375 Unrestricted Use and  
Protection of Groundwater Soil Cleanup Objectives

Table 6 - Per- and Polyfluoroalkyl Substances in Soil  
Remedial Investigation Report

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

LOCATION LAB SAMPLE ID SAMPLING DATE SAMPLE TYPE	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	SB-10 (1-3')		SB-10 (8-10')		SB-11 (1-3')		SB-11 (8-10')		07.25.25_DUP		FIELD DUPLICATE_07282025	
				L2546920-08		L2546920-10		L2546920-13		L2546920-15		L2546920-07		L2547120-24	
				7/25/2025		7/25/2025		7/25/2025		7/25/2025		7/25/2025		7/28/2025	
				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
PFAS, EPA 1633 Target List (ug/kg)														*SB-07 (2') Dup	*SB-05 (3') Dup
11-Chloroicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	~	~	~	0.796	U	0.799	U	0.796	U	0.799	U	0.796	U	0.799	U
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	~	~	~	0.796	U	0.799	U	0.796	U	0.799	U	0.796	U	0.799	U
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	~	~	~	0.796	U	0.799	U	0.796	U	0.799	U	0.796	U	0.799	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	~	~	~	0.796	U	0.799	U	0.796	U	0.799	U	0.796	U	0.799	U
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	~	~	~	4.98	U	5	U	4.97	U	4.99	U	4.98	U	4.99	U
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	~	~	~	4.98	U	5	U	4.97	U	4.99	U	4.98	U	4.99	U
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	~	~	~	0.995	U	0.999	U	0.995	U	0.999	U	0.996	U	0.998	U
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	~	~	~	0.796	U	0.799	U	0.796	U	0.799	U	0.796	U	0.799	U
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	~	~	~	0.796	U	0.799	U	0.796	U	0.799	U	0.796	U	0.799	U
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	~	~	~	0.796	U	0.799	U	0.796	U	0.799	U	0.796	U	0.799	U
N-Ethyl Perfluorooctane Sulfonamide (NETFOSA)	~	~	~	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
N-Ethyl Perfluorooctanesulfonamido Ethanol (NETFOSE)	~	~	~	1.99	U	2	U	1.99	U	2	U	1.99	U	2	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NETFOSAA)	~	~	~	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	~	~	~	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	~	~	~	1.99	U	2	U	1.99	U	2	U	1.99	U	2	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	~	~	~	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	~	~	~	0.398	U	0.4	U	0.398	U	0.4	U	0.398	U	0.399	U
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESEA)	~	~	~	0.398	U	0.4	U	0.398	U	0.4	U	0.398	U	0.399	U
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	~	~	~	0.398	U	0.4	U	0.398	U	0.4	U	0.398	U	0.399	U
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	~	~	~	0.398	U	0.4	U	0.398	U	0.4	U	0.398	U	0.399	U
Perfluorobutanesulfonic Acid (PFBS)	~	~	~	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
Perfluorobutanoic Acid (PFBA)	~	~	~	0.796	U	0.799	U	0.796	U	0.799	U	0.796	U	0.799	U
Perfluorodecanesulfonic Acid (PFDS)	~	~	~	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
Perfluorodecanoic Acid (PFDA)	~	~	~	0.049	J	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
Perfluorododecanesulfonic Acid (PFDoS)	~	~	~	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
Perfluorododecanoic Acid (PFDoA)	~	~	~	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
Perfluoroheptanesulfonic Acid (PFHpS)	~	~	~	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
Perfluoroheptanoic Acid (PFHpA)	~	~	~	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
Perfluorohexanesulfonic Acid (PFHxS)	~	~	~	0.199	U	0.042	JF	0.24	F	0.037	JF	0.199	U	0.2	U
Perfluorohexanoic Acid (PFHxA)	~	~	~	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
Perfluorononanesulfonic Acid (PFNS)	~	~	~	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
Perfluorononanoic Acid (PFNA)	~	~	~	0.028	J	0.2	U	0.199	U	0.2	U	0.199	U	0.034	J
Perfluorooctanesulfonamide (PFOSA)	~	~	~	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
Perfluorooctanesulfonic Acid (PFOS)	0.88	440	1.0	5.79		1.73	F	0.346	F	0.148	J	0.08	J	1.13	
Perfluorooctanoic Acid (PFOA)	0.66	500	0.8	0.089	J	0.261		0.2		0.058	J	0.205		0.057	J
Perfluoropentanesulfonic Acid (PFPeS)	~	~	~	0.199	U	0.2	U	0.08	J	0.2	U	0.199	U	0.2	U
Perfluoropentanoic Acid (PFPeA)	~	~	~	0.398	U	0.4	U	0.398	U	0.4	U	0.398	U	0.399	U
Perfluorotetradecanoic Acid (PFTeDA)	~	~	~	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
Perfluorotridecanoic Acid (PFTrDA)	~	~	~	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
Perfluoroundecanoic Acid (PFUnA)	~	~	~	0.199	U	0.2	U	0.199	U	0.2	U	0.199	U	0.041	J

TABLE NOTES:

U : Not detected at the reported detection limit for the sample.  
J : Estimated value.

The ratio of quantifier ion response to qualifier ion response  
F: falls outside of the laboratory criteria. Results are considered  
to be an estimated maximum concentration.

ug/kg: Micrograms per Kilogram.

~ : No Standards or Guidance Value.

Value exceeds the NYSDEC Part 375 Unrestricted Use and  
Protection of Groundwater Soil Cleanup Objectives

Table 7 - Volatile Organic Compounds in Groundwater Remedial Investigation Report

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

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LOCATION SAMPLING DATE LAB SAMPLE ID SAMPLE TYPE	NYSDEC TOGS Standards and Guidance Values - GA	MW-015 8/11/2025 L2550241-07 WATER		MW-025 8/11/2025 L2550241-09 WATER		MW-035 8/11/2025 L2550241-02 WATER		MW-045 8/11/2025 L2550241-06 WATER		MW-055 8/11/2025 L2550241-01 WATER		MW-075 8/11/2025 L2550241-04 WATER		MW-085 8/11/2025 L2550241-08 WATER		MW-08M 8/11/2025 L2550241-10 WATER		MW-095 8/11/2025 L2550241-05 WATER	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
		Volatile Organics by EPA 8260 (ug/L)																	
1,1,1,2-Tetrachloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
1,1,1-Trichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
1,1,2-Trichloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	0.5	U	0.5	U	2.5	U
1,1,2-Dichloroethane	1	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	7.5	U	1.5	U	1.5	U	7.5	U
1,1-Dichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
1,1-Dichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	0.24	J	0.35	J	2.5	U
1,1-Dichloropropene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
1,2,3-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
1,2,3-Trichloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
1,2,4,5-Tetramethylbenzene	5	2	U	2	U	2	U	0.62	J	2	U	10	U	4.5	U	1.1	J	10	U
1,2,4-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
1,2,4-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
1,2-Dibromo-3-chloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
1,2-Dibromoethane	0.0006	2	U	2	U	2	U	2	U	2	U	10	U	2	U	2	U	10	U
1,2-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
1,2-Dichloroethane	0.6	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	0.5	U	0.5	U	2.5	U
1,2-Dichloroethene, Total	~	2.5	U	2.5	U	2.5	U	3.5	U	2.5	U	12	U	8	U	45	U	4.2	J
1,2-Dichloropropane	1	1	U	1	U	1	U	1	U	1	U	5	U	1	U	1	U	5	U
1,3,5-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
1,3-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
1,3-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
1,3-Dichloropropene, Total	~	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	0.5	U	0.5	U	2.5	U
1,4-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
1,4-Dioxane	0.35	250	U	250	U	250	U	250	U	250	U	1200	U	250	U	250	U	1200	U
2,2-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
2-Butanone	50	5	U	5	U	5	U	5	U	5	U	25	U	2.9	J	5	U	25	U
2-Hexanone	50	5	U	5	U	5	U	5	U	5	U	25	U	5	U	5	U	25	U
4-Methyl-2-pentanone	~	5	U	5	U	5	U	5	U	5	U	25	U	5	U	5	U	25	U
Acetone	50	2.4	J	2.1	J	2	J	2.4	J	3.3	J	9	J	8	J	2.9	J	9.8	J
Acrylonitrile	5	5	U	5	U	5	U	5	U	5	U	25	U	5	U	5	U	25	U
Benzene	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	0.5	U	0.5	U	2.5	U
Bromobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
Bromochloromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
Bromodichloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	0.5	U	0.5	U	2.5	U
Bromoform	50	2	U	2	U	2	U	2	U	2	U	10	U	2	U	2	U	10	U
Bromomethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
Carbon disulfide	60	5	U	5	U	5	U	5	U	5	U	25	U	5	U	5	U	25	U
Carbon tetrachloride	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	0.5	U	0.5	U	2.5	U
Chlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
Chloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
Chloroform	7	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
Chloromethane	~	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
cis-1,2-Dichloroethane	5	2.5	U	2.5	U	2.5	U	3.5	U	2.5	U	12	U	8	U	45	U	4.2	J
cis-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	0.5	U	0.5	U	2.5	U
Dibromochloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	0.5	U	0.5	U	2.5	U
Dibromomethane	5	5	U	5	U	5	U	5	U	5	U	25	U	5	U	5	U	25	U
Dichlorodifluoromethane	~	5	U	5	U	5	U	5	U	5	U	25	U	5	U	5	U	25	U
Ethyl ether	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
Ethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
Hexachlorobutadiene	0.5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
Isopropylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
Methyl tert butyl ether	10	2.5	U	0.26	J	2.5	U	0.21	J	2.5	U	12	U	0.2	J	0.22	J	12	U
Methylene chloride	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	1.8	J	2.5	U	12	U
n-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
n-Propylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
Naphthalene	10	2.5	U	2.5	U	2.5	U	0.9	J	2.5	U	720	U	7.9	J	1.7	J	570	U
p-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
p-Xylene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
m-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
p-Diethylbenzene	~	2	U	2	U	2	U	2	U	2	U	10	U	2	U	2	U	10	U
p-Ethyltoluene	~	2	U	2	U	2	U	2	U	2	U	10	U	2	U	2	U	10	U
p-Isopropyltoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
p/m-Xylene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
sec-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	0.76	J	2.5	U	12	U
Styrene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
tert-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
Tetrachloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	9	U	3.4	U	2.5	U
Toluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
trans-1,2-Dichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
trans-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	0.5	U	0.5	U	2.5	U
trans-1,4-Dichloro-2-butene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
Trichloroethane	5	0.5	U	0.5	U	0.44	J	1.7	U	0.5	U	2.5	U	79	U	31	U	2.2	J
Trichlorofluoromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U
Vinyl acetate	~	5	U	5	U	5	U	5	U	5	U	25	U	5	U	5	U	25	U
Vinyl chloride	2	0.31	J	0.33	J	1.4	U	3.1	U	0.53	J	5	U	6.6	U	77	U	2.9	J
Xylenes, Total	~	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	12	U	2.5	U	2.5	U	12	U

TABLE NOTES:

- Analyte exceeds the NYSDEC TOGS Standards and Guidance Values
- U: Not detected at the reported detection limit for the sample.
- D: Result is from an analysis that required a dilution
- J: Analyte detected at or above the method detection limit but below the reporting limit.
- B: Analyte found in the analysis batch blank
- E: Result is estimated and cannot be accurately reported due to levels encountered or ug/l Microgram per Liter
- ~: No Standards or Guidance Value.

Table 8 - Semivolatile Organic Compounds in Groundwater Remedial Investigation Report

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

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LOCATION SAMPLING DATE LAB SAMPLE ID SAMPLE TYPE	NYSDEC TOGS Standards and Guidance Values - GA	MW-015		MW-025		MW-035		MW-045		MW-055		MW-075		MW-085		MW-095			
		8/11/2025		8/11/2025		8/11/2025		8/11/2025		8/11/2025		8/11/2025		8/11/2025		8/11/2025			
		L2550241-07		L2550241-09		L2550241-02		L2550241-06		L2550241-01		L2550241-04		L2550241-08		L2550241-05			
		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER			
		Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
<b>Semivolatile Organics by GC/MS (ug/L)</b>																			
1,2,4,5-Tetrachlorobenzene	5	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
1,2,4-Trichlorobenzene	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U		
1,2-Dichlorobenzene	3	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U		
1,3-Dichlorobenzene	3	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U		
1,4-Dichlorobenzene	3	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U		
2,4,5-Trichlorophenol		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U		
2,4,6-Trichlorophenol		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U		
2,4-Dichlorophenol	1	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U		
2,4-Dimethylphenol	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U		
2,4-Dinitrophenol	10	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U		
2,4-Dinitrotoluene	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U		
2,6-Dinitrotoluene	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U		
2-Chlorophenol		2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U		
2-Methylphenol		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U		
2-Nitroaniline	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U		
2-Nitrophenol		10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
3,3'-Dichlorobenzidine	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U		
3-Methylphenol/4-Methylphenol		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U		
3-Nitroaniline	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U		
4,6-Dinitro-o-cresol		10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
4-Bromophenyl phenyl ether		2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U		
4-Chloroaniline	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U		
4-Chlorophenyl phenyl ether		2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U		
4-Nitroaniline	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U		
4-Nitrophenol		10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
Acetophenone		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U		
Benzoic Acid		50	U	50	U	50	U	50	U	50	U	50	U	20	J	16	J		
Benzyl Alcohol		2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U		
Biphenyl		2	U	2	U	2	U	2	U	10		11		2	U	9.5			
Bis(2-chloroethoxy)methane	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U		
Bis(2-chloroethyl)ether	1	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U		
Bis(2-chloroisopropyl)ether	5	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U		
Bis(2-ethylhexyl)phthalate	5	3	U	3	U	3	U	1.6	J	3	U	4.4	J	3	U	1.6	J		
Butyl benzyl phthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U		
Carbazole		2	U	2	U	2	U	2	U	25		26		0.59	J	45			
Di-n-butylphthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U		
Di-n-octylphthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U		
Dibenzofuran		2	U	2	U	2	U	2	U	25		25		0.5	J	24			
Diethyl phthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U		
Dimethyl phthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U		
Hexachlorocyclopentadiene	5	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U		
Isophorone	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U		
n-Nitrosodi-n-propylamine		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U		
NDPA/DPA	50	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U		
Nitrobenzene	0.4	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U		
p-Chloro-m-cresol		2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U		
Phenol	1	5	U	5	U	5	U	5	U	0.58	J	5	U	5	U	5	U		
<b>Semivolatile Organics by GC/MS-SIM (ug/L)</b>																			
2-Chloronaphthalene	10	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	4	U	0.2	U	4	U		
2-Methylnaphthalene		0.1	U	0.03	J	0.1	U	0.1	U	45		44		0.57		44			
Acenaphthene	20	0.44		0.56		0.13		4.2		9.8		10		2.8		12			
Acenaphthylene		0.05	J	0.04	J	0.14		0.89		4.9		4.5		0.63		20			
Anthracene	50	0.1	U	0.1	U	0.11		0.1	U	1.8		2	U	0.1	U	4.8			
Benzo(a)anthracene	0.002	0.1	U	0.1	U	0.57		0.12		0.37		2	U	0.05	J	0.81	J		
Benzo(a)pyrene	0	0.1	U	0.1	U	0.68		0.14		0.08	J	2	U	0.05	J	2	U		
Benzo(b)fluoranthene	0.002	0.1	U	0.1	U	0.74		0.18		0.15		2	U	0.07	J	2	U		
Benzo(ghi)perylene		0.1	U	0.1	U	0.58		0.13		0.06	J	2	U	0.05	J	2	U		
Benzo(k)fluoranthene	0.002	0.1	U	0.1	U	0.25		0.05	J	0.05	J	2	U	0.1	U	2	U		
Chrysene	0.002	0.1	U	0.1	U	0.42		0.1	U	0.24		2	U	0.04	J	2	U		
Dibenzo(a,h)anthracene		0.1	U	0.1	U	0.08	J	0.07	J	0.1	U	2	U	0.06	J	2	U		
Fluoranthene	50	0.05	J	0.06	J	1.3		0.33		9		8		0.23		8.5			
Fluorene	50	0.41		0.46		0.04	J	4.6		15		15		2.5		18			
Hexachlorobenzene	0.04	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	16	U	0.8	U	16	U		
Hexachlorobutadiene	0.5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	10	U	0.5	U	10	U		
Hexachloroethane	5	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	16	U	0.8	U	16	U		
Indeno(1,2,3-cd)pyrene	0.002	0.1	U	0.04	J	0.56		0.16		0.06	J	0.77	J	0.09	J	0.9	J		
Naphthalene	10	0.1	U	0.13		0.07	J	0.44		460	E	460		4		360			
Pentachlorophenol	1	0.8	U	0.8	U	0.1	J	0.09	J	0.1	J	16	U	0.8	U	16	U		
Phenanthrene	50	0.1	U	0.1	U	0.08	J	0.19		43		45		1.8		42			
Pyrene	50	0.05	J	0.05	J	1.3		0.3		6.2		5.5		0.17		6.1			
<b>1,4 Dioxane by EPA 8270E-SIM (ug/L)</b>																			
1,4-Dioxane		0.35		0.749		2.74		11.6		56.9		14.6		15.2		6.73		10.5	

TABLE NOTES:

Analyte exceeds the NYSDEC TOGS Standards and Guidance Values

U : Not detected at the reported detection limit for the sample.

D: Result is from an analysis that required a dilution

J: Analyte detected at or above the method detection limit but below the reporting

B: Analyte found in the analysis batch bl

E: Result is estimated and cannot be accurately reported due to levels encountered or

ug/l Microgram per Liter

-- : No Standards or Guidance Value.

Table 9 - Total and Dissolved Metals in Groundwater Remedial Investigation Report

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

**DRAFT PRINT**

LOCATION SAMPLING DATE LAB SAMPLE ID SAMPLE TYPE	NYSDEC TOGS Standards and Guidance Values - GA	MW-015 8/11/2025 L2550241-07 WATER		MW-025 8/11/2025 L2550241-09 WATER		MW-035 8/11/2025 L2550241-02 WATER		MW-045 8/11/2025 L2550241-06 WATER		MW-055 8/11/2025 L2550241-01 WATER		MW-075 8/11/2025 L2550241-04 WATER		MW-085 8/11/2025 L2550241-08 WATER		MW-095 8/11/2025 L2550241-05 WATER	
		Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
		Total Metals (ug/l)															
Aluminum, Total	~	299		28.7		75.3		145		55.4		15.2		183		188	
Antimony, Total	3	4	U	4	U	4	U	4	U	4	U	0.45	J	1.52	J	0.76	J
Arsenic, Total	25	1.24		0.26	J	1.78		1.02		0.32	J	14.52		10.49		4.37	
Barium, Total	1000	152.2		192.8		253.9		215.7		186.5		70.91		162		115.3	
Beryllium, Total	3	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cadmium, Total	5	0.06	J	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Calcium, Total	~	99200		110000		211000		113000		198000		378000		137000		291000	
Chromium, Total	50	1.7		0.51	J	0.52	J	2.24		0.58	J	0.49	J	0.71	J	0.93	J
Cobalt, Total	~	0.92		0.28	J	2.83		1.19		1.11		2.86		3.7		2.31	
Copper, Total	200	5.55		1.34		0.86	J	1.66		1.06		0.97	J	1.39		1.37	
Iron, Total	300	9160		17200		11600		5420		3490		6780		9030		18300	
Lead, Total	25	34.65		1.1		5.39		146		5.57		1.23		5.74		3.26	
Magnesium, Total	35000	33900		22700		25200		25500		21400		31000		15100		39800	
Manganese, Total	300	650.2		674.6		790.9		486.7		515.1		401		458.1		1011	
Mercury, Total	0.7	0.16	J	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel, Total	100	2.33		1.44	J	11.49		12.68		7.6		9.06		9.55		960	
Potassium, Total	~	27500		19400		20400		26700		19500		20700		18500		28200	
Selenium, Total	10	5	U	5	U	5	U	5	U	5	U	5	U	2.45	J	5	U
Silver, Total	50	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
Sodium, Total	20000	193000		234000		217000		227000		160000		148000		180000		287000	
Thallium, Total	0.5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Vanadium, Total	~	2.18	J	5	U	5	U	3.46	J	5	U	5	U	1.81	J	5	U
Zinc, Total	2000	31.51		3.41	J	10.78		32.61		10	U	10	U	6.21	J	10	U
Dissolved Metals (ug/l)																	
Aluminum, Dissolved	~	10	U	10	U	17.1		8.14	J	10	U	10	U	6.41	J	50	U
Antimony, Dissolved	3	4	U	4	U	4	U	0.57	J	4	U	0.53	J	1.45	J	20	U
Arsenic, Dissolved	25	0.5	U	0.5	U	1.18		0.52		0.24	J	6.63		4.08		1.59	J
Barium, Dissolved	1000	155.6		145.8		195.3		149.7		171.2		62.64		114.5		86.85	
Beryllium, Dissolved	3	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U
Cadmium, Dissolved	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	1	U
Calcium, Dissolved	~	98900		98800		202000		108000		218000		380000		129000		272000	
Chromium, Dissolved	50	0.25	J	0.36	J	0.29	J	1.02		0.31	J	0.45	J	0.51	J	5	U
Cobalt, Dissolved	~	0.36	J	0.24	J	2.69		0.87		1.2		3.23		4.53		1.94	J
Copper, Dissolved	200	2	U	2	U	0.48	J	2	U	1	U	1	U	2	U	10	U
Iron, Dissolved	300	4700		12200		3990		945		120		1120		918		6150	
Lead, Dissolved	25	1	U	1	U	0.92	J	1	U	1	U	1	U	1	U	5	U
Magnesium, Dissolved	35000	13700		20000		24300		24000		21300		28400		14100		39000	
Manganese, Dissolved	300	566.8		627.4		754.2		445.1		546.2		463.3		420.1		959.6	
Mercury, Dissolved	0.7	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel, Dissolved	100	0.66	J	0.95	J	7.79		10.85		7.71		9.81		7.8		989	
Potassium, Dissolved	~	11900		18900		20100		25600		20600		20700		17400		25500	
Selenium, Dissolved	10	5	U	5	U	5	U	5	U	5	U	5	U	2.19	J	25	U
Silver, Dissolved	50	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	2	U
Sodium, Dissolved	20000	118000		217000		210000		218000		178000		146000		173000		257000	
Thallium, Dissolved	0.5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	5	U
Vanadium, Dissolved	~	5	U	5	U	5	U	5	U	5	U	5	U	5	U	25	U
Zinc, Dissolved	2000	10	U	10	U	10	U	10	U	10	U	10	U	10	U	50	U
General Chemistry (ug/L)																	
Chromium, Hexavalent	50	10	U	10	U	10	U	10	U	10	U	50	U	10	U	10	U
Cyanide, Total	200	52		6		37		30		166		1480		2180		597	

TABLE NOTES:

- Analyte exceeds the NYSDEC TOGS Standards and Guidance Values
- U - Not detected at the reported detection limit for the
- D: n analysis that required a dilution
- J: Analyte detected at or above the method detection limit but
- B: Analyte found in the analysis batch
- E: Result is estimated and cannot be accurately reported due to
- ug/l Microgram per Liter
- ~: No Standards or Guidance Value.

Table 10 - Pesticides, Polychlorinated Biphenyls, and Herbicides in Groundwater  
Remedial Investigation Report

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

**DRAFT PRINT**

LOCATION SAMPLING DATE LAB SAMPLE ID SAMPLE TYPE	NYSDEC TOGS Standards and Guidance Values - GA	MW-01S 8/11/2025 L2550241-07 WATER		MW-02S 8/11/2025 L2550241-09 WATER		MW-03S 8/11/2025 L2550241-02 WATER		MW-04S 8/11/2025 L2550241-06 WATER		MW-05S 8/11/2025 L2550241-01 WATER		MW-07S 8/11/2025 L2550241-04 WATER		MW-08S 8/11/2025 L2550241-08 WATER		MW-09S 8/11/2025 L2550241-05 WATER	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
		Organochlorine Pesticides by GC (ug/L)															
4,4'-DDD	0.3	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
4,4'-DDE	0.2	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
4,4'-DDT	0.2	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Aldrin	0	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Alpha-BHC	0.01	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Beta-BHC	0.04	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
Chlordane	0.05	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U
cis-Chlordane	~	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
Delta-BHC	0.04	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Dieldrin	0.004	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Endosulfan I	~	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Endosulfan II	~	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Endosulfan sulfate	~	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Endrin	0	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Endrin aldehyde	5	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
Endrin ketone	5	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Heptachlor	0.04	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Heptachlor epoxide	0.03	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Lindane	0.05	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Methoxychlor	35	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U
Toxaphene	0.06	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
trans-Chlordane	~	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
Polychlorinated Biphenyls by GC (ug/L)																	
Aroclor 1016	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Aroclor 1221	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Aroclor 1232	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Aroclor 1242	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Aroclor 1248	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Aroclor 1254	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Aroclor 1260	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Aroclor 1262	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Aroclor 1268	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
PCBs, Total	~	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Chlorinated Herbicides by GC (ug/L)																	
2,4,5-T	35	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2,4,5-TP (Silvex)	~	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2,4-D	50	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U

TABLE NOTES:

- Analyte exceeds the NYSDEC TOGS Standards and Guidance Values
- U : Not detected at the reported detection limit
- D : an analysis that required a dilution
- J : Analyte detected at or above the method detection limit but below
- B : und in the analysis batch blank
- E : Result is estimated and cannot be accurately reported due to levels
- ug/l Microgram per Liter
- ~ : No Standards or Guidance Value.

LOCATION SAMPLING DATE LAB SAMPLE ID SAMPLE TYPE	NYSDEC TOGS Standards and Guidance Values GA	MW-01S 8/11/2025 L2550241-07 WATER		MW-02S 8/11/2025 L2550241-09 WATER		MW-03S 8/11/2025 L2550241-02 WATER		MW-04S 8/11/2025 L2550241-06 WATER		MW-05S 8/11/2025 L2550241-01 WATER		MW-07S 8/11/2025 L2550241-04 WATER		MW-08S 8/11/2025 L2550241-08 WATER		MW-09S 8/11/2025 L2550241-05 WATER	
		Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
		Perfluorinated Alkyl Acids by EPA 1633 (ug/L)															
11-Chlorooctadecafluoro-3-Oxaundecane-1-Sulfonic Acid (11CI-PF3OUdS)	~	0.00648	U	0.00632	U	0.00632	U	0.0064	U	0.00616	U	0.00619	U	0.00649	U	0.00631	U
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	~	0.00648	U	0.00632	U	0.00632	U	0.0064	U	0.00616	U	0.00619	U	0.00649	U	0.00631	U
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	~	0.00648	U	0.00632	U	0.00632	U	0.0064	U	0.00616	U	0.00619	U	0.00649	U	0.00631	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	~	0.00648	U	0.00632	U	0.00632	U	0.0064	U	0.00616	U	0.00619	U	0.00649	U	0.00631	U
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	~	0.0405	U	0.0395	U	0.0395	U	0.4	U	0.0385	U	0.0387	U	0.0406	U	0.0394	U
3-Perfluorooctyl Propanoic Acid (7:3FTCA)	~	0.0405	U	0.0395	U	0.0395	U	0.04	U	0.0385	U	0.0387	U	0.0406	U	0.0394	U
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	~	0.00809	U	0.0079	U	0.0079	U	0.08	U	0.00769	U	0.00774	U	0.00811	U	0.00789	U
4,8-Dioxo-3h-Perfluorooxonanoic Acid (ADONA)	~	0.00648	U	0.00632	U	0.00632	U	0.064	U	0.00616	U	0.00619	U	0.00649	U	0.00631	U
9-Chlorohexadecafluoro-3-Oxanon-1-Sulfonic Acid (9CI-PF3ONS)	~	0.00648	U	0.00632	U	0.00632	U	0.0064	U	0.00616	U	0.00619	U	0.00649	U	0.00631	U
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	~	0.00648	U	0.00632	U	0.00632	U	0.064	U	0.00616	U	0.00619	U	0.00649	U	0.00631	U
N-Ethyl Perfluorooctane Sulfonamide (NEFOSA)	~	0.00162	U	0.00158	U	0.00158	U	0.0016	U	0.00154	U	0.00155	U	0.00162	U	0.00158	U
N-Ethyl Perfluorooctanesulfonamide Ethanol (NEFEOSE)	~	0.0162	U	0.0158	U	0.0158	U	0.016	U	0.0154	U	0.0155	U	0.0162	U	0.0158	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEFOSAA)	~	0.00162	U	0.00158	U	0.00158	U	0.0016	U	0.00154	U	0.00155	U	0.00162	U	0.00158	U
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	~	0.00162	U	0.00158	U	0.00158	U	0.0016	U	0.00154	U	0.00155	U	0.00162	U	0.00158	U
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFEOSE)	~	0.0162	U	0.0158	U	0.0158	U	0.016	U	0.0154	U	0.0155	U	0.0162	U	0.0158	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	~	0.00162	U	0.00158	U	0.00158	U	0.0016	U	0.00154	U	0.00155	U	0.00162	U	0.00158	U
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	~	0.00324	U	0.00316	U	0.00316	U	0.032	U	0.00308	U	0.00309	U	0.00324	U	0.00316	U
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEEESA)	~	0.00324	U	0.00316	U	0.000545	J	0.032	U	0.000508	J	0.000583	JF	0.000406	J	0.000528	JF
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	~	0.00648	U	0.00316	U	0.00151	J	0.032	U	0.00308	U	0.00108	J	0.0011	J	0.0316	U
Perfluoro-4-Methoxybutanoic Acid (PFMBAA)	~	0.00324	U	0.00316	U	0.00316	U	0.032	U	0.00308	U	0.00309	U	0.00324	U	0.00316	U
Perfluorobutanesulfonic Acid (PFBS)	~	0.223	U	0.352	U	1.11	E	5.85	E	0.995	E	1.5	E	0.749	E	1.01	E
Perfluorobutanoic Acid (PFBA)	~	0.013	U	0.0107	U	0.00632	U	0.064	U	0.0116	J	0.0619	U	0.0649	U	0.0631	U
Perfluorodecanesulfonic Acid (PFDS)	~	0.00162	U	0.00158	U	0.00158	U	0.0016	U	0.00154	U	0.00155	U	0.00162	U	0.00158	U
Perfluorodecanoic Acid (PFDA)	~	0.00631	JF	0.000585	J	0.00158	U	0.0008	JF	0.000377	JF	0.00155	U	0.00126	J	0.000339	JF
Perfluorododecanesulfonic Acid (PFDoS)	~	0.00162	U	0.00158	U	0.00158	U	0.0016	U	0.00154	U	0.00155	U	0.00162	U	0.00158	U
Perfluorododecanoic Acid (PFDoA)	~	0.00162	U	0.00158	U	0.00158	U	0.0016	U	0.00154	U	0.00155	U	0.00162	U	0.00158	U
Perfluorooctanesulfonic Acid (PFHs)	~	0.00915	U	0.0236	U	0.0294	U	0.164	U	0.106	U	0.0554	U	0.0296	U	0.0466	U
Perfluorooctanoic Acid (PFHxA)	~	0.00677	U	0.007	U	0.00647	U	0.0144	J	0.0076	U	0.00836	J	0.00789	U	0.00562	U
Perfluorohexanesulfonic Acid (PFHxS)	~	0.0102	U	0.0198	U	0.0469	U	0.202	U	0.0591	U	0.0558	U	0.032	U	0.0497	U
Perfluorohexanoic Acid (PFHxA)	~	0.0135	U	0.0156	U	0.0102	U	0.0275	U	0.0122	U	0.0139	U	0.0153	U	0.00859	U
Perfluorononanesulfonic Acid (PFNS)	~	0.00162	U	0.00158	U	0.00158	U	0.0016	U	0.00154	U	0.00155	U	0.00162	U	0.00158	U
Perfluorononanoic Acid (PFNA)	~	0.0021	U	0.00219	U	0.0021	U	0.00233	U	0.00218	U	0.00182	U	0.004	U	0.00205	U
Perfluorooctanesulfonamide (PFOSA)	~	0.000283	JF	0.000379	JF	0.00158	U	0.000392	J	0.00154	U	0.000108	JF	0.000438	JF	0.00158	U
Perfluorooctanesulfonic Acid (PFOS)	0.0027	<b>0.271</b>	<b>U</b>	<b>0.852</b>	<b>E</b>	<b>0.699</b>	<b>E</b>	<b>3.25</b>	<b>E</b>	<b>4.26</b>	<b>E</b>	<b>1.74</b>	<b>E</b>	<b>0.756</b>	<b>E</b>	<b>1.09</b>	<b>E</b>
Perfluorooctanoic Acid (PFOA)	0.0067	<b>0.032</b>	<b>U</b>	<b>0.0376</b>	<b>U</b>	<b>0.0352</b>	<b>U</b>	<b>0.047</b>	<b>U</b>	<b>0.0392</b>	<b>U</b>	<b>0.0414</b>	<b>U</b>	<b>0.0506</b>	<b>U</b>	<b>0.0393</b>	<b>U</b>
Perfluoropentanesulfonic Acid (PFPeS)	~	0.0024	U	0.00231	U	0.00624	U	0.0205	U	0.00591	U	0.00644	U	0.00474	U	0.00544	U
Perfluoropentanoic Acid (PFPeA)	~	0.0186	U	0.0221	U	0.0149	U	0.0274	J	0.0132	U	0.0186	U	0.0189	U	0.012	U
Perfluorotetradecanoic Acid (PFTeDA)	~	0.00162	U	0.00158	U	0.00158	U	0.0016	U	0.00154	U	0.00155	U	0.00162	U	0.00158	U
Perfluorotridecanoic Acid (PFTriDA)	~	0.00162	U	0.00158	U	0.00158	U	0.0016	U	0.00154	U	0.00155	U	0.00162	U	0.00158	U
Perfluoroundecanoic Acid (PFUnA)	~	0.000227	J	0.00158	U	0.00158	U	0.0016	U	0.00154	U	0.00155	U	0.00162	U	0.00158	U

TABLE NOTES:

- Analyte exceeds the NYSDEC TOGS Standards and Guidance Values
- U : Not detected at the reported detection limit for the
- D: in analysis that required a dilution
- J: Analyte detected at or above the method detection limit but below the reporting
- B: Analyte found in the analysis batch
- E: Result is estimated and cannot be accurately reported due to levels encountered
- ug/l : Microgram per Liter
- ~ : No Standards or Guidance Value.

Table 12 - Volatile Organic Compounds in Soil Vapor  
Remedial Investigation Report

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

DRAFT PRINT

LOCATION LAB SAMPLE ID SAMPLING DATE SAMPLE TYPE	NYSDOH Matrices A-F Sub-Slab Vapor Minimum Concentrations	SV-01		SV-02		SV-03		SV-04		08012025-Field Dup	
		L2548491-03 R1		L2548491-09		L2548491-07		L2548491-05 R1		L2548491-10	
		8/1/2025		8/1/2025		8/1/2025		8/1/2025		8/1/2025	
		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, EPA TO15-SIM (µg/m <sup>3</sup> )											
											* SV-02 Duplicate
1,1,1-Trichloroethane	100	2.04		17.9		11.3		11.7		75.3	
1,1,2,2-Tetrachloroethane	--	0.137	U	7	U	1.37	U	0.137	U	30.6	U
1,1,2-Trichloroethane	--	0.109	U	5.57	U	1.09	U	0.109	U	24.3	U
1,1-Dichloroethane	--	0.081	U	4.13	U	6.19		0.081	U	18.1	U
1,1-Dichloroethene	6	0.079	U	4.04	U	0.793	U	0.079	U	17.7	U
1,2,4-Trichlorobenzene	--	0.371	U	19	U	3.71	U	0.371	U	83.1	U
1,2,4-Trimethylbenzene	60	14.8		5.01	U	3.93		9.44		21.9	U
1,2-Dibromoethane	--	0.154	U	7.84	U	1.54	U	0.154	U	34.3	U
1,2-Dichlorobenzene	--	0.12	U	6.13	U	1.2	U	0.12	U	26.8	U
1,2-Dichloroethane	--	0.295		4.13	U	0.809	U	0.546		18.1	U
1,2-Dichloropropane	--	0.092	U	4.71	U	0.924	U	0.092	U	20.6	U
1,3,5-Trimethylbenzene	60	6.1		5.01	U	1.28		4.06		21.9	U
1,3-Butadiene	--	0.175		2.26	U	0.442	U	1.3		9.87	U
1,3-Dichlorobenzene	--	0.12	U	6.13	U	1.2	U	0.12	U	26.8	U
1,4-Dichlorobenzene	--	0.12	U	6.13	U	1.2	U	0.12	U	26.8	U
1,4-Dioxane	--	1.17		18.5	U	3.6	U	0.36	U	80.4	U
2,2,4-Trimethylpentane	60	4.67		47.6	U	9.34	U	2.16		208	U
2-Butanone	--	132		75.5	U	14.7	U	31.3		330	U
2-Hexanone	--	10		41.8	U	8.2	U	5.49		183	U
3-Chloropropene	--	0.626	U	31.9	U	6.26	U	0.626	U	140	U
4-Ethyltoluene	--	2.58		5.01	U	0.983	U	1.63		21.9	U
4-Methyl-2-pentanone	--	18.2		105	U	20.5	U	2.89		459	U
Acetone	--	729	E	197		91.5		151		717	
Benzene	60	7.35		16.4	U	3.32		5.3		71.2	U
Benzyl chloride	--	0.518	U	26.5	U	5.18	U	0.518	U	115	U
Bromodichloromethane	--	1.45		6.83	U	1.34	U	0.858		29.9	U
Bromoform	--	0.207	U	10.5	U	2.07	U	0.207	U	46.1	U
Bromomethane	--	0.078	U	3.96	U	0.777	U	0.078	U	17.3	U
Carbon disulfide	--	22.4		31.8	U	29.1		9.03		139	U
Carbon tetrachloride	6	0.61		6.42	U	1.26	U	0.673		28.1	U
Chlorobenzene	--	0.461	U	23.6	U	4.61	U	0.461	U	103	U
Chloroethane	--	0.264	U	13.5	U	2.64	U	0.264	U	58.8	U
Chloroform	--	9.77		17.2		32.9		6.45		70.8	
Chloromethane	--	1.08		21.1	U	4.13	U	0.413	U	92.1	U
cis-1,2-Dichloroethene	6	3.24		37		464		0.103		152	
cis-1,3-Dichloropropene	--	0.091	U	4.63	U	0.908	U	0.091	U	20.2	U
Cyclohexane	60	3.82		35.1	U	64.4		1.58		154	U
Dibromochloromethane	--	0.528		8.69	U	1.7	U	0.17	U	38	U
Dichlorodifluoromethane	--	2.53		50.4	U	9.89	U	2.33		221	U
Ethanol	--	972	E	2690		1400		1250	E	2640	
Ethyl Acetate	--	2.68		92.3	U	18	U	3.55		404	U
Ethylbenzene	60	8.69		4.43	U	1.74		6.12		19.4	U
Freon-113	--	0.529		19.6	U	3.83	U	0.498		85.8	U
Freon-114	--	0.349	U	17.9	U	3.49	U	0.349	U	78.3	U
Heptane	200	7.79		41.8	U	8.2	U	5.82		183	U
Hexachlorobutadiene	--	0.533	U	27.3	U	5.33	U	0.533	U	119	U
Isopropanol	--	20.8		280		67.1		13		548	U
Methyl tert butyl ether	--	0.721	U	36.8	U	7.21	U	0.721	U	161	U
Methylene chloride	100	1.89		166		17.4	U	1.74	U	688	
n-Hexane	200	12.1		43.7		18.3		9.09		157	U
Naphthalene	60	3.03		13.4	U	2.62	U	3.03		58.7	U
o-Xylene	60	13		4.43	U	2.91		9.3		19.4	U
p/m-Xylene	200	27.6		8.9	U	5.6		20		38.8	U
Styrene	--	2.04		4.34	U	0.852	U	1.9		19	U
Tertiary butyl Alcohol	--	23		77.6	U	15.2	U	3.27		340	U
Tetrachloroethene	100	60.1		712		38.9		15.7		3340	
Tetrahydrofuran	--	68.7		75.5	U	14.7	U	7.17		330	U
Toluene	300	41.5		19.3	U	15		24.9		84	U
trans-1,2-Dichloroethene	--	0.079	U	4.04	U	6.46		0.079	U	17.7	U
trans-1,3-Dichloropropene	--	0.091	U	4.63	U	0.908	U	0.091	U	20.2	U
Trichloroethene	6	137		8490		1360		100		38,200	
Trichlorofluoromethane	--	1.31		14.4	U	2.81	U	1.22		62.9	U
Vinyl bromide	--	0.874	U	44.6	U	8.74	U	0.874	U	195	U
Vinyl chloride	6	0.133		2.61	U	3.35		0.051	U	11.4	U

TABLE NOTES:

NYSDOH: New York State Department of Health.

µg/m<sup>3</sup>: Micrograms per cubic meter.

--: No Standards or Guidance Value.

U: Not detected at the reported detection limit for the sample.

B: Analyte found in the analysis batch blank.

D: Result is from an analysis that required a dilution.

E: Result is estimated and cannot be accurately reported due to levels encountered or interferences.

**Bold and Italics:** Analyte was not detected above the laboratory reporting limit; however, the reporting limit is greater than the NYSDOH Sub-Slab Vapor Concentration Matrix value for that analyte.

Table 13 - Volatile Organic Compounds in Indoor and Outdoor Ambient Air  
Remedial Investigation Report

9 North 15th Street  
Brooklyn, NY 11222  
BCP Site No. C224397

**DRAFT PRINT**

LOCATION	NYSDOH Matrices A-F Indoor Air Minimum Concentrations	IA-01		IA-02		IA-03		IA-04		OA-01	
LAB SAMPLE ID		L2548491-02		L2548491-08		L2548491-06		L2548491-04 R1		L2548491-01	
SAMPLING DATE		8/1/2025		8/1/2025		8/1/2025		8/1/2025		8/1/2025	
SAMPLE TYPE		Indoor Ambient Air		Indoor Ambient Air		Indoor Ambient Air		Indoor Ambient Air		Outdoor Ambient Air	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, EPA TO15-SIM (µg/m <sup>3</sup> )											
1,1,1-Trichloroethane	3	0.496		0.355		0.196		1.62		0.109	U
1,1,2,2-Tetrachloroethane	--	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U
1,1,2-Trichloroethane	--	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
1,1-Dichloroethane	--	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
1,1-Dichloroethene	0.2	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
1,2,4-Trichlorobenzene	--	0.371	U	0.371	U	0.371	U	0.371	U	0.371	U
1,2,4-Trimethylbenzene	2	1.55		1.43		1.71		1.44		0.388	
1,2-Dibromoethane	--	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U
1,2-Dichlorobenzene	--	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U
1,2-Dichloroethane	--	0.312		0.295		0.255		0.534		0.081	U
1,2-Dichloropropane	--	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U
1,3,5-Trimethylbenzene	2	0.403		0.398		0.477		0.388		0.098	U
1,3-Butadiene	--	0.044		0.044	U	0.044		0.044	U	0.044	U
1,3-Dichlorobenzene	--	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U
1,4-Dichlorobenzene	--	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U
1,4-Dioxane	--	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
2,2,4-Trimethylpentane	2	0.934	U	0.934	U	0.934	U	0.934	U	0.934	U
2-Butanone	--	2.74		3.04		4.66		2.6		1.47	U
2-Hexanone	--	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
3-Chloropropene	--	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U
4-Ethyltoluene	--	0.251		0.236		0.216		0.246		0.098	U
4-Methyl-2-pentanone	--	2.05	U	2.05	U	2.05	U	2.05	U	2.05	U
Acetone	--	19.2		21.6		23.4		21.4		9.74	
Benzene	2	0.971		0.962		0.885		0.978		0.978	
Benzyl chloride	--	0.518	U	0.518	U	0.518	U	0.518	U	0.518	U
Bromodichloromethane	--	0.134	U	0.134	U	0.134	U	0.201		0.134	U
Bromoform	--	0.207	U	0.207	U	0.207	U	0.207	U	0.207	U
Bromomethane	--	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U
Carbon disulfide	--	1.07		1.13		1.05		0.975		0.623	U
Carbon tetrachloride	0.2	0.491		0.491		0.497		0.478		0.497	
Chlorobenzene	--	0.461	U	0.461	U	0.461	U	0.461	U	0.461	U
Chloroethane	--	0.264	U	0.264	U	0.264	U	0.264	U	0.264	U
Chloroform	--	0.454		0.425		0.371		1.53		0.225	
Chloromethane	--	1.34		1.36		1.32		1.39		1.23	
cis-1,2-Dichloroethene	0.2	0.079	U	0.083		0.079	U	0.107		0.079	U
cis-1,3-Dichloropropene	--	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U
Cyclohexane	2	0.688	U	0.688	U	0.702		0.688	U	0.688	U
Dibromochloromethane	--	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
Dichlorodifluoromethane	--	2.18		2.17		2.2		2.2		2.23	
Ethanol	--	362		211		102		2090	E	13.1	
Ethyl Acetate	--	2.86		2.88		2.81		5.19		1.8	U
Ethylbenzene	2	0.543		0.517		0.46		0.591		0.317	
Freon-113	--	0.445		0.445		0.452		0.445		0.468	
Freon-114	--	0.349	U	0.349	U	0.349	U	0.349	U	0.349	U
Heptane	6	1.16		1.31		1.89		1.05		0.82	U
Hexachlorobutadiene	--	0.533	U	0.533	U	0.533	U	0.533	U	0.533	U
Isopropanol	--	10.1		7.84		8.9		8.87		16	
Methyl tert butyl ether	--	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U
Methylene chloride	3	1.74	U	1.74	U	1.74	U	1.74	U	1.74	U
n-Hexane	6	2.25		2.35		3.81		2.14		2.15	
Naphthalene	2	2.11		2.04		2.03		1.96		0.262	U
o-Xylene	2	0.734		0.695		0.665		0.747		0.352	
p/m-Xylene	6	1.58		1.49		1.38		1.66		0.899	
Styrene	--	0.404		0.4		0.43		0.422		0.085	U
Tertiary butyl Alcohol	--	1.52	U	1.52	U	1.52	U	1.52	U	1.52	U
Tetrachloroethene	3	0.502		0.563		0.414		0.454		0.237	
Tetrahydrofuran	--	1.47	U	1.47	U	1.47	U	1.47	U	1.47	U
Toluene	10	4.56		4.94		6.86		4.45		2.2	
trans-1,2-Dichloroethene	--	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
trans-1,3-Dichloropropene	--	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U
Trichloroethene	0.2	2.4		2.74		1.73		3.43		0.107	U
Trichlorofluoromethane	--	1.01		1.01		1.03		0.95		1.06	
Vinyl bromide	--	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U
Vinyl chloride	0.2	0.079		0.123		0.051	U	0.074		0.051	U

TABLE NOTES:

NYSDOH: New York State Department of Health.

µg/m<sup>3</sup>: Micrograms per cubic meter.

--: No Standards or Guidance Value.

U: Not detected at the reported detection limit for the sample.

B: Analyte found in the analysis batch blank.

D: Result is from an analysis that required a dilution.

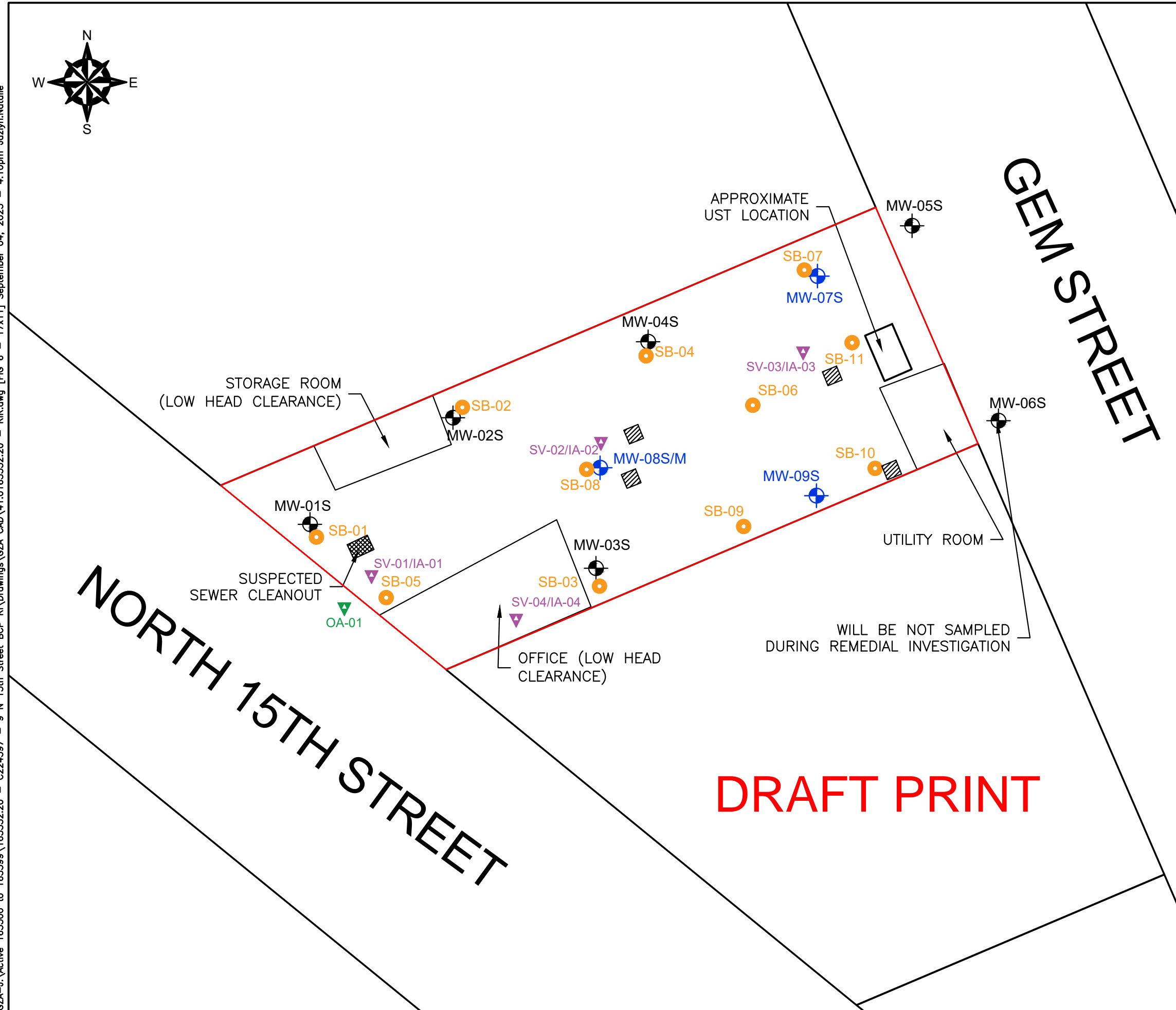
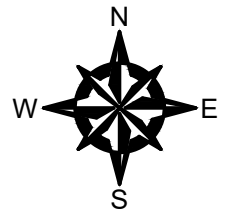
E: Result is estimated and cannot be accurately reported due to levels encountered or interferences.



September 2025  
*Addendum to the RIWP*  
9 North 15<sup>th</sup> Street, Brooklyn, NY  
BCP Site No. C224397

## FIGURES

©2025 - GZA GeoEnvironmental of NY.  
 GZA-J:\Active 163300 to 163399\163352.20 - C224397 - 9 N 15th Street BCP R\Drawings\GZA CAD\4.1.0163352.20 - RIR.dwg [FIG 6 - 17x11] September 04, 2025 - 4:10pm Jazlyn.Natalie



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**GENERAL NOTES**

1. PARCELS DEVELOPED FROM NEW YORK CITY DEPARTMENT OF PLANNING MAPPLUTO.
2. EXISTING MONITORING WELL LOCATIONS ARE APPROXIMATED FROM "LIMITED PHASE II SUBSURFACE INVESTIGATION", DATED FEBRUARY 22, 2022, PREPARED BY LAUREL ENVIRONMENTAL GEOSCIENCES DPC.
3. SAMPLING LOCATIONS ARE APPROXIMATE AND BASED ON HAND MEASUREMENTS TO EXISTING SITE FEATURES.
4. GROUNDWATER MONITORING WELL LOCATIONS ARE DENOTED AS 'S' - SHALLOW SCREEN 'M' - INTERMEDIATE DEPTH SCREEN.
5. MW-01S, MW-02S, MW-03S, AND MW-04S WERE PREVIOUSLY INSTALLED BY LAUREL ENVIRONMENTAL GEOSCIENCES AS MW-1, MW-2, MW-3, MW-4.

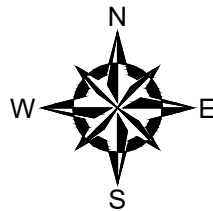
**LEGEND**

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE LIMITS OF SURROUNDING TAX PARCELS
- APPROXIMATE FLOOR DRAIN LOCATION
- APPROXIMATE PROPOSED SOIL BORING LOCATION
- ⊕ APPROXIMATE PERMANENT GROUNDWATER MONITORING WELL LOCATION - SEE NOTE 4 FOR DENOTATIONS
- ⊕ APPROXIMATE LOCATION OF PREVIOUSLY INSTALLED EXISTING GROUNDWATER MONITORING WELL
- ▼ APPROXIMATE PROPOSED CO-LOCATED SOIL VAPOR/INDOOR AIR SAMPLING LOCATION
- ▼ APPROXIMATE OUTDOOR AIR SAMPLING LOCATION



NO.	ISSUE/DESCRIPTION	BY	DATE
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<b>9 N. 15TH STREET SITE</b> BCP SITE C224397 9 NORTH 15TH STREET, BROOKLYN, NEW YORK			
<b>SAMPLE LOCATION PLAN</b>			
PREPARED BY: <b>GZA</b> GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 9N15INLET LLC SOLSTICE EQUITIES LLC	
PROJ MGR: JB	REVIEWED BY: VW	CHECKED BY:	<b>FIGURE 1</b> SHEET NO.
DESIGNED BY: JB	DRAWN BY: JB	SCALE: 1"=20'	
DATE: SEPT. 2025	PROJECT NO: 41.0163352.20	REVISION NO: -	

©2025 - GZA GeoEnvironmental of NY. GZA-J:\Active 163300 to 163399\163352.20 - C224397 - 9 N 15th Street BCP R\Drawings\GZA CAD\4.1.0163352.20 - RIR.dwg [FIG X-VOCs Soil] September 10, 2025 - 5:20pm jackson.bogach



SB-02 (3') - 7/28/2025	
Volatile Organic Compounds	
Trichloroethene	12
SB-02 (8') - 7/28/2025	
Volatile Organic Compounds	
cis-1,2-Dichloroethene	1.2
Tetrachloroethene	2.4
Trichloroethene	13
SB-02 (14') - 7/28/2025	
No Exceedances	

SB-08 (3') - 7/25/2025	
Volatile Organic Compounds	
cis-1,2-Dichloroethene	0.44
Methylene chloride	0.93
Tetrachloroethene	19
Trichloroethene	86
SB-08 (8') - 7/25/2025	
No Exceedances	
SB-08 (16') - 7/25/2025	
cis-1,2-Dichloroethene	3.5 E
Vinyl chloride	0.99 E
Xylenes, Total	0.3

SB-04 (3') - 7/25/2025	
Volatile Organic Compounds	
cis-1,2-Dichloroethene	0.51
Tetrachloroethene	20
Trichloroethene	55 E
SB-04 (10') - 7/25/2025	
Volatile Organic Compounds	
cis-1,2-Dichloroethene	7.2
trans-1,2-Dichloroethene	0.42
Trichloroethene	4.4
Vinyl chloride	0.58
SB-04 (14') - 7/25/2025	
No Exceedances	

SB-01 (3') - 7/28/2025	
No Exceedances	
SB-01 (9') - 7/28/2025	
No Exceedances	
SB-01 (16') - 7/28/2025	
Volatile Organic Compounds	
Acetone	0.05

SB-05 (3') - 7/28/2025	
No Exceedances	
SB-05 (9') - 7/28/2025	
No Exceedances	
SB-05 (13') - 7/28/2025	
Volatile Organic Compounds	
Acetone	0.052

SB-03 (3') - 7/28/2025	
Volatile Organic Compounds	
Tetrachloroethene	3.6
Trichloroethene	10
SB-03 (6') - 7/28/2025	
Volatile Organic Compounds	
cis-1,2-Dichloroethene	0.47
Tetrachloroethene	3.3
Trichloroethene	15
SB-03 (17') - 7/28/2025	
Volatile Organic Compounds	
Vinyl chloride	0.02

SB-09 (3') - 7/28/2025	
Volatile Organic Compounds	
cis-1,2-Dichloroethene	0.93
Tetrachloroethene	5.4
Trichloroethene	22
SB-09 (9') - 7/28/2025	
No Exceedances	
SB-09 (14') - 7/28/2025	
Naphthalene	380

SB-06 (3') - 7/25/2025	
Volatile Organic Compounds	
cis-1,2-Dichloroethene	1
Tetrachloroethene	2.3
Trichloroethene	13
SB-06 (9') - 7/25/2025	
No Exceedances	
SB-06 (14') - 7/25/2025	
No Exceedances	

SB-07 (2') - 7/25/2025	
No Exceedances	
SB-07 (9') - 7/25/2025	
Volatile Organic Compounds	
Acetone	0.076
SB-07 (14') - 7/25/2025	
Volatile Organic Compounds	
Benzene	0.14
Naphthalene	1200
Xylenes, Total	0.43

SB-11 (1') - 7/25/2025	
No Exceedances	
SB-11 (8') - 7/25/2025	
Volatile Organic Compounds	
Trichloroethene	6.9
SB-11 (14') - 7/25/2025	
No Exceedances	

SB-10 (3') - 7/25/2025	
No Exceedances	
SB-10 (9') - 7/25/2025	
No Exceedances	
SB-10 (15') - 7/25/2025	
Volatile Organic Compounds	
Vinyl chloride	0.91 E

Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use SCOs - Commercial	NYSDEC Part 375 Protection of Groundwater SCOs
	Volatile Organic Compounds (mg/kg)		
Acetone	0.05	500	0.05
Benzene	0.06	44	0.06
cis-1,2-Dichloroethene	0.25	500	0.25
Methylene chloride	0.05	500	0.05
Naphthalene	12	500	12
Tetrachloroethene	1.3	150	1.3
trans-1,2-Dichloroethene	0.19	500	0.19
Trichloroethene	0.47	200	0.47
Vinyl chloride	0.02	13	0.02
Xylenes, Total	0.26	500	1.6

APPROXIMATE UST LOCATION

GEM STREET

NORTH 15TH STREET

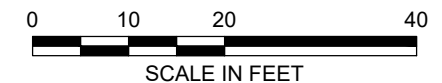
**GENERAL NOTES**

1. PARCELS DEVELOPED FROM NEW YORK CITY DEPARTMENT OF PLANNING MAPPLUTO.
2. SAMPLING LOCATIONS ARE APPROXIMATE AND BASED ON HAND MEASUREMENTS TO EXISTING SITE FEATURES.
3. SEE LABORATORY REPORTS FOR ADDITIONAL INFORMATION, INCLUDING QUALIFIER DESCRIPTIONS.
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**LEGEND**

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE LIMITS OF SURROUNDING TAX PARCELS
- APPROXIMATE SOIL BORING LOCATION

DRAFT PRINT



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NO.	ISSUE/DESCRIPTION	BY	DATE						
<p><b>9 N. 15TH STREET SITE</b> BCP SITE C224397 9 NORTH 15TH STREET, BROOKLYN, NEW YORK</p>									
<p><b>VOLATILE ORGANIC COMPOUNDS IN SOIL</b></p>									
<p>PREPARED BY: <b>GZA</b> GeoEnvironmental of NY Engineers and Scientists www.gza.com</p>	<p>PREPARED FOR: 9N15INLET LLC SOLSTICE EQUITIES LLC</p>								
<p>PROJ MGR: JB    REVIEWED BY: JB    CHECKED BY:    <b>FIGURE</b></p> <p>DESIGNED BY: SG    DRAWN BY: SG    SCALE: 1"=20'    <b>2A</b></p> <p>DATE: SEPT. 2025    PROJECT NO. 41.0163352.20    REVISION NO.    SHEET NO.</p>									

Analyte exceeds the NYSDEC Part 375 Unrestricted Use SCO.
Analyte exceeds the NYSDEC Part 375 Unrestricted Use, Restricted-Commercial Use, and Protection of Groundwater SCOs.
Analyte exceeds the NYSDEC Part 375 Unrestricted Use and Protection of Groundwater SCOs

SB-02 (1-3') - 7/28/2025	
Semi-Volatile Organic Compounds	
Benzo(a)anthracene	5.5
Benzo(a)pyrene	8.1 E
Benzo(b)fluoranthene	9.8 E
Benzo(k)fluoranthene	1.9
Chrysene	4.7
Dibenzo(a,h)anthracene	1.5
Indeno(1,2,3-cd)pyrene	7.5 E
SB-02 (8-10') - 7/28/2025	
Semi-Volatile Organic Compounds	
3-Methylphenol/4-Methylphenol	0.49
Benzo(a)anthracene	9.2 E
Benzo(a)pyrene	9.4 E
Benzo(b)fluoranthene	12 E
Benzo(k)fluoranthene	2.7
Chrysene	7.2
Dibenzo(a,h)anthracene	1.5
Indeno(1,2,3-cd)pyrene	7

SB-08 (1-3') - 7/25/2025	
Semi-Volatile Organic Compounds	
Indeno(1,2,3-cd)pyrene	0.58
SB-08 (7-9') - 7/25/2025	
Semi-Volatile Organic Compounds	
Indeno(1,2,3-cd)pyrene	0.63

SB-04 (1-3') - 7/25/2025	
No Exceedances	
SB-04 (8-10') - 7/25/2025	
Semi-Volatile Organic Compounds	
Indeno(1,2,3-cd)pyrene	0.5

SB-07 (1-3') - 7/25/2025	
No Exceedances	
SB-07 (8-10') - 7/25/2025	
Semi-Volatile Organic Compounds	
Benzo(a)anthracene	1.8
Benzo(a)pyrene	2.3
Benzo(b)fluoranthene	2.6
Benzo(k)fluoranthene	0.84
Chrysene	1.7
Indeno(1,2,3-cd)pyrene	1.8

SB-11 (1-3') - 7/25/2025	
Semi-Volatile Organic Compounds	
Benzo(a)anthracene	3.6
Benzo(a)pyrene	3.4
Benzo(b)fluoranthene	4.3
Benzo(k)fluoranthene	1.4
Chrysene	3.5
Dibenzo(a,h)anthracene	0.56
Indeno(1,2,3-cd)pyrene	2.3
SB-11 (8-10') - 7/25/2025	
Semi-Volatile Organic Compounds	
Indeno(1,2,3-cd)pyrene	0.52

SB-01 (1-3') - 7/28/2025	
Semi-Volatile Organic Compounds	
Benzo(a)anthracene	2.6
Benzo(a)pyrene	2.4
Benzo(b)fluoranthene	3.1
Benzo(k)fluoranthene	0.87
Chrysene	2.4
Dibenzo(a,h)anthracene	0.38
Indeno(1,2,3-cd)pyrene	1.7
SB-01 (7-9') - 7/28/2025	
No Exceedances	

SB-05 (1-3') - 7/28/2025	
Semi-Volatile Organic Compounds	
Benzo(a)anthracene	1.6
Benzo(a)pyrene	1.7
Benzo(b)fluoranthene	2
Chrysene	1.5
Indeno(1,2,3-cd)pyrene	1.2
SB-05 (7-9') - 7/28/2025	
No Exceedances	

SB-03 (1-3') - 7/28/2025	
No Exceedances	
SB-03 (5-7') - 7/28/2025	
No Exceedances	

SB-09 (1-3') - 7/28/2025	
No Exceedances	
SB-09 (8-10') - 7/28/2025	
No Exceedances	

SB-10 (1-3') - 7/25/2025	
No Exceedances	
SB-10 (8-10') - 7/25/2025	
No Exceedances	

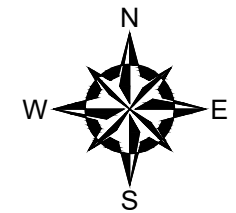
SB-06 (1-3') - 7/25/2025	
Semi-Volatile Organic Compounds	
2-Methylphenol	1.3 J
3-Methylphenol/4-Methylphenol	3.4 J
Benzo(a)anthracene	63
Benzo(a)pyrene	54
Benzo(b)fluoranthene	100
Benzo(k)fluoranthene	31
Chrysene	63
Dibenzo(a,h)anthracene	12
Fluoranthene	130
Indeno(1,2,3-cd)pyrene	66
Naphthalene	31
Phenol	1.1 J
Pyrene	130
SB-06 (8-10') - 7/25/2025	
Semi-Volatile Organic Compounds	
2-Methylphenol	0.98 J
3-Methylphenol/4-Methylphenol	2.1 J
Benzo(a)anthracene	27
Benzo(a)pyrene	27
Benzo(b)fluoranthene	42
Benzo(k)fluoranthene	12
Chrysene	26
Dibenzo(a,h)anthracene	4.9
Indeno(1,2,3-cd)pyrene	27
Phenol	0.78 J

**GENERAL NOTES**

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**LEGEND**

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE LIMITS OF SURROUNDING TAX PARCELS
- APPROXIMATE SOIL BORING LOCATION

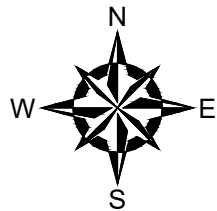


**DRAFT PRINT**

Analyte	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Use SCOs - Commercial	NYSDEC Part 375 Protection of Groundwater SCOs
	Semi-Volatile Organic Compounds (mg/kg)		
2-Methylphenol	0.33	500	0.33
3-Methylphenol/4-Methylphenol	0.33	500	0.33
Benzo(a)anthracene	1	6	1
Benzo(a)pyrene	1	1	22
Benzo(b)fluoranthene	1	5.6	1.7
Benzo(k)fluoranthene	0.8	56	1.7
Chrysene	1	56	1
Dibenzo(a,h)anthracene	0.33	0.56	1,000
Fluoranthene	100	500	1,000
Indeno(1,2,3-cd)pyrene	0.5	5.6	8.2
Naphthalene	12	500	12
Phenol	0.33	500	0.33
Pyrene	100	500	1,000

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<b>9 N. 15TH STREET SITE</b> BCP SITE C224397 9 NORTH 15TH STREET, BROOKLYN, NEW YORK			
<b>SEMI-VOLATILE ORGANIC COMPOUNDS IN SOIL</b>			
PREPARED BY: <b>GZA</b> GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 9N15INLET LLC SOLSTICE EQUITIES LLC	
PROJ MGR: JB	REVIEWED BY: JB	CHECKED BY:	FIGURE
DESIGNED BY: SG	DRAWN BY: SG	SCALE: 1"=20'	<b>2B</b>
DATE: SEPT. 2025	PROJECT NO. 41.0163352.20	REVISION NO.	
			SHEET NO.

Analyte exceeds the NYSDEC Part 375 Unrestricted Use SCO.
Analyte exceeds the NYSDEC Part 375 Unrestricted Use and Restricted-Commercial Use SCOs.
Analyte exceeds the NYSDEC Part 375 Unrestricted Use and Protection of Groundwater SCOs.
Analyte exceeds the NYSDEC Part 375 Unrestricted Use, Restricted-Commercial Use, and Protection of Groundwater SCOs.



SB-02 (1-3') - 7/28/2025	
Total Metals	
Lead, Total	70.6
Mercury, Total	0.247
SB-02 (8-10') - 7/28/2025	
Total Metals	
Mercury, Total	0.465

SB-08 (1-3') - 7/25/2025	
Total Metals	
Copper, Total	235
Lead, Total	334
Mercury, Total	0.577
Zinc, Total	721
SB-08 (7-9') - 7/25/2025	
Total Metals	
Copper, Total	276
Lead, Total	112
Mercury, Total	0.295
Nickel, Total	191
Zinc, Total	1020

SB-04 (1-3') - 7/25/2025	
Total Metals	
Lead, Total	63.2
Mercury, Total	0.58
SB-04 (8-10') - 7/25/2025	
No Exceedances	

SB-06 (1-3') - 7/25/2025	
Total Metals	
Lead, Total	283
Mercury, Total	0.293
Nickel, Total	711
SB-06 (8-10') - 7/25/2025	
Total Metals	
Lead, Total	202
Mercury, Total	3.45
Nickel, Total	892

SB-07 (1-3') - 7/25/2025	
No Exceedances	
SB-07 (8-10') - 7/25/2025	
Total Metals	
Nickel, Total	93.9
Zinc, Total	257

SB-01 (1-3') - 7/28/2025	
Total Metals	
Arsenic, Total	18.7
Chromium, Hexavalent	1.09
Chromium, Total	457
Copper, Total	1660
Lead, Total	653
Mercury, Total	0.278
Zinc, Total	491
SB-01 (7-9') - 7/28/2025	
Total Metals	
Copper, Total	113
Zinc, Total	124

SB-05 (1-3') - 7/28/2025	
Total Metals	
Copper, Total	300
Lead, Total	3230
Mercury, Total	0.297
Zinc, Total	269
SB-05 (7-9') - 7/28/2025	
Total Metals	
Lead, Total	93.3
Mercury, Total	0.759

SB-03 (1-3') - 7/28/2025	
Total Metals	
Lead, Total	84.2
Mercury, Total	0.202
SB-03 (5-7') - 7/28/2025	
Total Metals	
Lead, Total	209
Mercury, Total	0.997

SB-09 (1-3') - 7/28/2025	
No Exceedances	
SB-09 (8-10') - 7/28/2025	
No Exceedances	

SB-11 (1-3') - 7/25/2025	
Total Metals	
Copper, Total	120
Lead, Total	80.3
Mercury, Total	0.192
Nickel, Total	1100
SB-11 (8-10') - 7/25/2025	
Total Metals	
Copper, Total	1320
Lead, Total	1630
Mercury, Total	0.364
Nickel, Total	1140
Zinc, Total	592

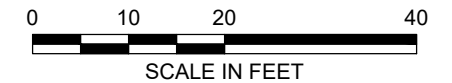
SB-10 (1-3') - 7/25/2025	
Total Metals	
Chromium, Hexavalent	1.62
Chromium, Total	33.9
Copper, Total	148
Lead, Total	394
Mercury, Total	0.215
Zinc, Total	330
SB-10 (8-10') - 7/25/2025	
Total Metals	
Lead, Total	75.1

**GENERAL NOTES**

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**LEGEND**

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE LIMITS OF SURROUNDING TAX PARCELS
- APPROXIMATE SOIL BORING LOCATION



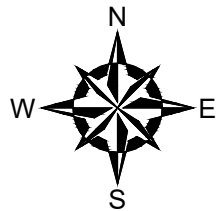
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Analyte	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Use SCOs - Commercial	NYSDEC Part 375 Protection of Groundwater SCOs
	Total Metals (mg/kg)		
Arsenic, Total	13	16	16
Chromium, Hexavalent	1	400	19
Chromium, Total	30	1,500	~
Copper, Total	50	270	1,720
Lead, Total	63	1,000	450
Mercury, Total	0.18	3	1
Nickel, Total	30	310	130
Selenium, Total	4	1,500	4,000
Zinc, Total	109	10,000	2,480

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<b>9 N. 15TH STREET SITE</b> BCP SITE C224397 9 NORTH 15TH STREET, BROOKLYN, NEW YORK					
<b>METALS IN SOIL</b>					
PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			PREPARED FOR: 9N15INLET LLC SOLSTICE EQUITIES LLC		
PROJ MGR: JB	DESIGNED BY: SG	DATE: SEPT. 2025	REVIEWED BY: JB	DRAWN BY: SG	CHECKED BY: [ ] SCALE: 1"=20' REVISION NO.
PROJECT NO. 41.0163352.20					FIGURE 2C SHEET NO.

Analyte exceeds the NYSDEC Part 375 Unrestricted Use SCO.
Analyte exceeds the NYSDEC Part 375 Unrestricted Use and Restricted-Commercial Use SCOs.
Analyte exceeds the NYSDEC Part 375 Unrestricted Use and Protection of Groundwater SCOs.
Analyte exceeds the NYSDEC Part 375 Unrestricted Use, Restricted-Commercial Use, and Protection of Groundwater SCOs.

©2025 - GZA GeoEnvironmental of NY. GZA-J:\Active 163300 to 163399\163352.20 - C224397 - 9 N 15th Street BCP R\Drawings\GZA CAD\4.1.0163352.20 - RIR.dwg [FIG X--Pest PFAS Soil] September 10, 2025 - 5:21pm jackson.bogach

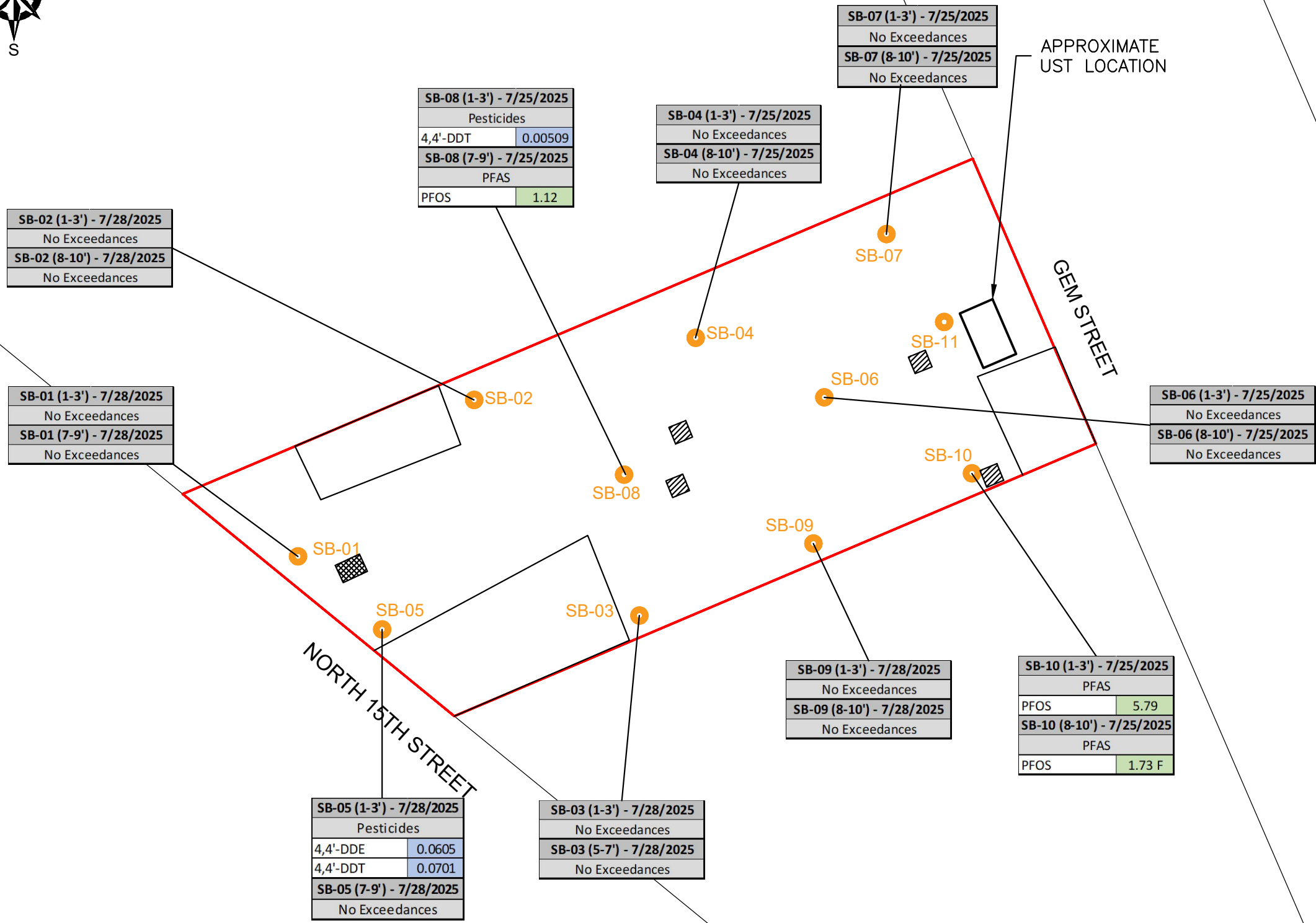


**GENERAL NOTES**

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**LEGEND**

- APPROXIMATE SITE BOUNDARY
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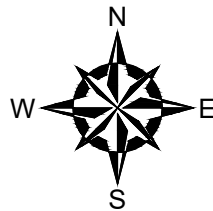


DRAFT PRINT

Analyte exceeds the NYSDEC Part 375 Unrestricted Use SCO.
Analyte exceeds the NYSDEC Part 375 Unrestricted Use and Protection of Groundwater SCOs.

Analyte	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Use SCOs - Commercial	NYSDEC Part 375 Protection of Groundwater SCOs
	Pesticides (mg/kg)		
4,4'-DDE	0.00330	62.0	17
4,4'-DDT	0.00330	47.0	136
Analyte	PFAS (ug/kg)		
Perfluorooctanesulfonic Acid (PFOS)	0.88	440	1.0

<p><b>9 N. 15TH STREET SITE</b> BCP SITE C224397 9 NORTH 15TH STREET, BROOKLYN, NEW YORK</p>	
<p><b>PESTICIDES AND PFAS IN SOIL</b></p>	
<p>UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.</p>	
<p>PREPARED BY: <b>GZA</b> GeoEnvironmental of NY Engineers and Scientists www.gza.com</p>	<p>PREPARED FOR: 9N15INLET LLC SOLSTICE EQUITIES LLC</p>
<p>PROJ MGR: JB DESIGNED BY: SG DATE: SEPT. 2025</p>	<p>REVIEWED BY: JB DRAWN BY: SG PROJECT NO. 41.0163352.20</p>
<p>CHECKED BY: SCALE: 1"=20'</p>	<p>REVISION NO.</p>
<p><b>FIGURE 2D</b></p> <p>SHEET NO.</p>	



MW-02S - 8/11/2025	
Semi-Volatile Organic Compounds	
Indeno(1,2,3-cd)pyrene	0.04 J
1,4-Dioxane	2.74
Total Metals	
Iron	17,200
Manganese	674.6
Sodium	234,000
Total Metals, Dissolved	
Iron	12,200
Manganese	627.4
Sodium	217,000
PFAS	
PFOS	0.852 E
PFOA	0.0376

MW-08S - 8/11/2025		MW-08M - 8/11/2025	
Volatile Organic Compounds		Volatile Organic Compounds	
cis-1,2-Dichloroethene	8	cis-1,2-Dichloroethene	45
Tetrachloroethene	9	Trichloroethene	31
Trichloroethene	79	Vinyl chloride	77
Vinyl chloride	6.6		
Semi-Volatile Organic Compounds			
Benzo(a)anthracene	0.05 J		
Benzo(a)pyrene	0.05 J		
Benzo(b)fluoranthene	0.07 J		
Chrysene	0.04 J		
Indeno(1,2,3-cd)pyrene	0.09 J		
1,4-Dioxane	6.73		
Total Metals			
Iron	9,030		
Manganese	458.1		
Sodium	180,000		
Cyanide	2,180		
Total Metals, Dissolved			
Iron	918		
Manganese	420.1		
Sodium	173,000		
PFAS			
PFOS	0.756 E		
PFOA	0.0506		

MW-04S - 8/11/2025	
Volatile Organic Compounds	
Vinyl Chloride	3.1
Semi-Volatile Organic Compounds	
Benzo(a)anthracene	0.12
Benzo(a)pyrene	0.14
Benzo(b)fluoranthene	0.18
Benzo(k)fluoranthene	0.05
Chrysene	0.1
Indeno(1,2,3-cd)pyrene	0.16
1,4-Dioxane	56.9
Total Metals	
Iron	5,420
Lead	146
Manganese	486.7
Sodium	227,000
Total Metals, Dissolved	
Iron	945
Manganese	445.1
Sodium	218,000
PFAS	
PFOS	3.25 E
PFOA	0.047

MW-07S - 8/11/2025	
Volatile Organic Compounds	
Naphthalene	720
Semi-Volatile Organic Compounds	
Indeno(1,2,3-cd)pyrene	0.77 J
Naphthalene	460
1,4-Dioxane	15.2
Total Metals	
Iron	6,780
Manganese	401
Sodium	148,000
Cyanide	1,480
Total Metals, Dissolved	
Iron	1120
Manganese	463.3
Sodium	146,000
PFAS	
PFOS	1.74 E
PFOA	0.0414

MW-05S - 8/11/2025	
Semi-Volatile Organic Compounds	
Benzo(a)anthracene	0.37
Benzo(a)pyrene	0.08 J
Benzo(b)fluoranthene	0.15
Benzo(k)fluoranthene	0.05 J
Chrysene	0.24
Indeno(1,2,3-cd)pyrene	0.06 J
Naphthalene	460 E
1,4-Dioxane	14.6
Total Metals	
Iron	3,490
Manganese	515.1
Sodium	160,000
Total Metals, Dissolved	
Manganese	546.2
Sodium	178,000
PFAS	
PFOS	4.26 E
PFOA	0.0392

MW-01S - 8/11/2025	
Semi-Volatile Organic Compounds	
1,4-Dioxane	0.749
Total Metals	
Iron	9,160
Lead	34.65
Manganese	650.2
Sodium	193,000
Total Metals, Dissolved	
Iron	4,700
Manganese	566.8
Sodium	118,000
PFAS	
PFOS	0.271
PFOA	0.032

MW-09S - 8/11/2025	
Volatile Organic Compounds	
Naphthalene	570
Vinyl chloride	2.9 J
Semi-Volatile Organic Compounds	
Benzo(a)anthracene	0.81
Indeno(1,2,3-cd)pyrene	0.9 J
Naphthalene	360
1,4-Dioxane	10.5
Total Metals	
Iron	18,300
Magnesium	39,800
Manganese	1,011
Nickel	960
Sodium	287,000
Cyanide	595
Total Metals, Dissolved	
Iron	6,150
Magnesium	39,000
Manganese	959.6
Nickel	989
Sodium	257,000
PFAS	
PFOS	1.09 E
PFOA	0.0393

MW-03S - 8/11/2025	
Semi-Volatile Organic Compounds	
Benzo(a)anthracene	0.57
Benzo(a)pyrene	0.68
Benzo(b)fluoranthene	0.74
Benzo(k)fluoranthene	0.25
Chrysene	0.42
Indeno(1,2,3-cd)pyrene	0.56
1,4-Dioxane	11.6
Total Metals	
Iron	11,600
Manganese	790.9
Sodium	217,000
Total Metals, Dissolved	
Iron	3,990
Manganese	754.2
Sodium	210,000
PFAS	
PFOS	0.699 E
PFOA	0.0352

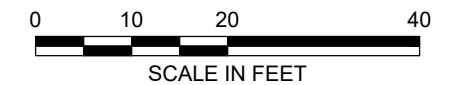
**GENERAL NOTES**

1. PARCELS DEVELOPED FROM NEW YORK CITY DEPARTMENT OF PLANNING MAPPLUTO.
2. SAMPLING LOCATIONS ARE APPROXIMATE AND BASED ON HAND MEASUREMENTS TO EXISTING SITE FEATURES.
3. SEE LABORATORY REPORTS FOR ADDITIONAL INFORMATION, INCLUDING QUALIFIER DESCRIPTIONS.
4. ONLY EXCEEDANCES OF THE APPLICABLE NYSDEC PART 375 SOIL CLEANUP OBJECTIVES ARE SHOWN. FOR FULL ANALYTICAL RESULTS, SEE THE TABLES LOCATED IN THE RIR.
5. GROUNDWATER MONITORING WELL LOCATIONS ARE DENOTED AS 'S' - SHALLOW SCREEN 'M' - INTERMEDIATE DEPTH SCREEN.
6. MW-01S, MW-02S, MW-03S, AND MW-04S WERE PREVIOUSLY INSTALLED BY LAUREL ENVIRONMENTAL GEOSCIENCES AS MW-1, MW-2, MW-3, MW-4.

**LEGEND**

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE LIMITS OF SURROUNDING TAX PARCELS
- APPROXIMATE PERMANENT GROUNDWATER MONITORING WELL LOCATION - SEE NOTE 5 FOR DENOTATIONS
- APPROXIMATE LOCATION OF PREVIOUSLY INSTALLED EXISTING GROUNDWATER MONITORING WELL

NYSDEC TOGS Standard and Guidance Values	
Analyte	Volatile Organic Compounds (µg/L)
cis-1,2-Dichloroethylene	5
Naphthalene	10
Tetrachloroethylene	5
Trichloroethylene	5
Vinyl Chloride	2
Analyte	Semi-Volatile Organic Compounds (µg/L)
Benzo(a)anthracene	0.002
Benzo(a)pyrene	0
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Chrysene	0.002
Indeno(1,2,3-cd)pyrene	0.002
Naphthalene	10
1,4-Dioxane	0.35
Analyte	Total Metals (µg/L)
Iron	300
Lead	25
Magnesium	35,000
Manganese	300
Nickel	100
Sodium	20,000
Cyanide	200
Analyte	Total Metal, Dissolved (µg/L)
Iron	300
Magnesium	35,000
Manganese	300
Nickel	100
Sodium	20,000
<b>NYSDEC Part 375 PFAS Remedial Program</b>	
Analyte	PFAS (µg/L)
Perfluorooctanesulfonic acid (PFOS)	0.0027
Perfluorooctanoic acid (PFOA)	0.0067



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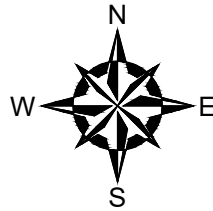
9 N. 15TH STREET SITE  
BCP SITE C224397  
9 NORTH 15TH STREET, BROOKLYN, NEW YORK

**GROUNDWATER SAMPLING RESULTS**

PREPARED BY: <b>GZA</b> GeoEnvironmental of NY Engineers and Scientists www.gza.com	PREPARED FOR: 9N15INLET LLC SOLSTICE EQUITIES LLC		
PROJ MGR: JB	REVIEWED BY: JB	CHECKED BY:	FIGURE
DESIGNED BY: JB	DRAWN BY: JN	SCALE: 1"=20'	<b>3</b>
DATE: SEPT. 2025	PROJECT NO. 41.0163352.20	REVISION NO.	

DRAFT PRINT

Analyte exceeds its respective guidance value, as shown.



SV-02 - 8/1/2025		IA-02 - 8/1/2025	
Volatile Organic Compounds		Volatile Organic Compounds	
1,1,1-Trichloroethane	17.9	1,1,1-Trichloroethane	0.355
cis-1,2-Dichloroethene	37	1,2,4-Trimethylbenzene	1.43
Methylene chloride	166	1,3,5-Trimethylbenzene	0.398
n-Hexane	43.7	Benzene	0.962
Tetrachloroethene	712	Carbon tetrachloride	0.491
Trichloroethene	8490	cis-1,2-Dichloroethene	0.083
		Ethylbenzene	0.517
		Heptane	1.31
		n-Hexane	2.35
		Naphthalene	2.04
		o-Xylene	0.695
		p/m-Xylene	1.49
		Tetrachloroethene	0.563
		Toluene	4.94
		Trichloroethene	2.74
		Vinyl chloride	0.123

SV-03 - 8/1/2025		IA-03 - 8/1/2025	
Volatile Organic Compounds		Volatile Organic Compounds	
1,1,1-Trichloroethane	11.3	1,1,1-Trichloroethane	0.196
1,2,4-Trimethylbenzene	3.93	1,2,4-Trimethylbenzene	1.71
1,3,5-Trimethylbenzene	1.28	1,3,5-Trimethylbenzene	0.477
Benzene	3.32	Benzene	0.885
cis-1,2-Dichloroethene	464	Carbon tetrachloride	0.497
Cyclohexane	64.4	Cyclohexane	0.702
Ethylbenzene	1.74	Ethylbenzene	0.46
n-Hexane	18.3	Heptane	1.89
o-Xylene	2.91	n-Hexane	3.81
p/m-Xylene	5.6	Naphthalene	2.03
Tetrachloroethene	38.9	o-Xylene	0.665
Toluene	15	p/m-Xylene	1.38
Trichloroethene	1360	Tetrachloroethene	0.414
Vinyl chloride	3.35	Toluene	6.86
		Trichloroethene	1.73

SV-01 - 8/1/2025		IA-01 - 8/1/2025	
Volatile Organic Compounds		Volatile Organic Compounds	
1,1,1-Trichloroethane	2.04	1,1,1-Trichloroethane	0.496
1,2,4-Trimethylbenzene	14.8	1,2,4-Trimethylbenzene	1.55
1,3,5-Trimethylbenzene	6.1	1,3,5-Trimethylbenzene	0.403
2,2,4-Trimethylpentane	4.67	2,2,4-Trimethylpentane	0.934
Benzene	7.35	Benzene	0.971
Carbon tetrachloride	0.61	Carbon tetrachloride	0.491
cis-1,2-Dichloroethene	3.24	cis-1,2-Dichloroethene	0.079
Cyclohexane	3.82	Cyclohexane	0.688
Ethylbenzene	8.69	Ethylbenzene	0.543
Heptane	7.79	Heptane	1.16
Methylene chloride	1.89	Methylene chloride	1.74
n-Hexane	12.1	n-Hexane	2.25
Naphthalene	3.03	Naphthalene	2.11
o-Xylene	13	o-Xylene	0.734
p/m-Xylene	27.6	p/m-Xylene	1.58
Tetrachloroethene	60.1	Tetrachloroethene	0.502
Toluene	41.5	Toluene	4.56
Trichloroethene	137	Trichloroethene	2.4
Vinyl chloride	0.133	Vinyl chloride	0.079

OA-01 - 8/1/2025	
Volatile Organic Compounds	
1,2,4-Trimethylbenzene	0.388
Benzene	0.978
Carbon tetrachloride	0.497
Ethylbenzene	0.317
n-Hexane	2.15
o-Xylene	0.352
p/m-Xylene	0.899
Tetrachloroethene	0.237
Toluene	2.2

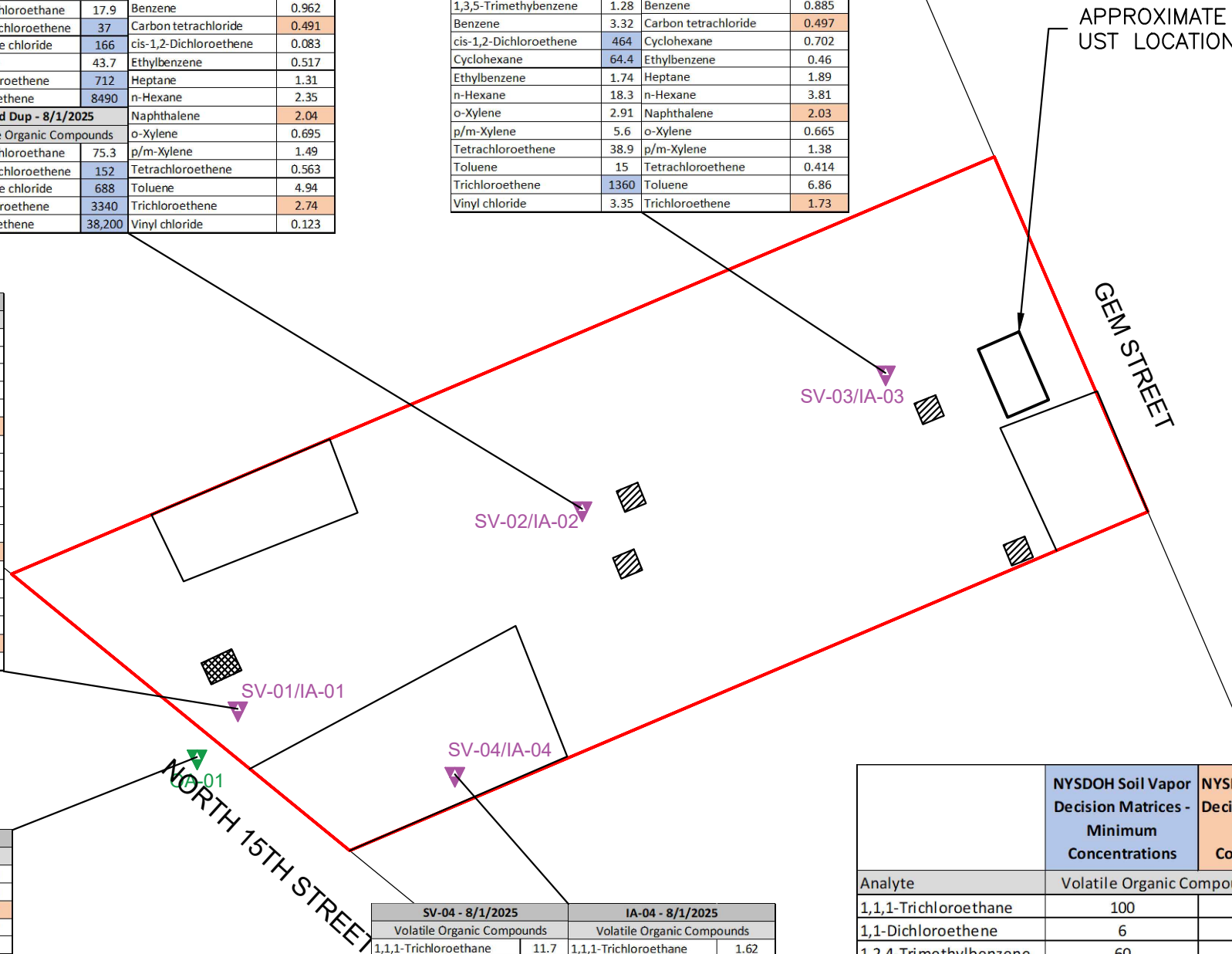
SV-04 - 8/1/2025		IA-04 - 8/1/2025	
Volatile Organic Compounds		Volatile Organic Compounds	
1,1,1-Trichloroethane	11.7	1,1,1-Trichloroethane	1.62
1,2,4-Trimethylbenzene	9.44	1,2,4-Trimethylbenzene	1.44
1,3,5-Trimethylbenzene	4.06	1,3,5-Trimethylbenzene	0.388
2,2,4-Trimethylpentane	2.16	Benzene	0.978
Benzene	5.3	Carbon tetrachloride	0.478
Carbon tetrachloride	0.673	cis-1,2-Dichloroethene	0.107
cis-1,2-Dichloroethene	0.103	Ethylbenzene	0.591
Cyclohexane	1.58	Heptane	1.05
Ethylbenzene	6.12	n-Hexane	2.14
Heptane	5.82	Naphthalene	1.96
n-Hexane	9.09	o-Xylene	0.747
Naphthalene	3.03	p/m-Xylene	1.66
o-Xylene	9.3	Tetrachloroethene	0.454
p/m-Xylene	20	Toluene	4.45
Tetrachloroethene	15.7	Trichloroethene	3.43
Toluene	24.9	Vinyl chloride	0.074
Trichloroethene	100		

**GENERAL NOTES**

1. PARCELS DEVELOPED FROM NEW YORK CITY DEPARTMENT OF PLANNING MAPPLUTO.
2. SAMPLING LOCATIONS ARE APPROXIMATE AND BASED ON HAND MEASUREMENTS TO EXISTING SITE FEATURES.
3. SEE LABORATORY REPORTS FOR ADDITIONAL INFORMATION, INCLUDING QUALIFIER DESCRIPTIONS.
4. ONLY DETECTED CONCENTRATIONS OF THE APPLICABLE NYSDOH SOIL VAPOR DECISION MATRICES MINIMUM CONCENTRATIONS ARE SHOWN. FOR FULL ANALYTICAL RESULTS, SEE THE TABLES LOCATED IN THE RIR.

**LEGEND**

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE LIMITS OF SURROUNDING TAX PARCELS
- APPROXIMATE CO-LOCATED SOIL VAPOR/INDOOR AIR SAMPLING LOCATION
- APPROXIMATE OUTDOOR AIR SAMPLING LOCATION



Analyte	NYSDOH Soil Vapor Decision Matrices - Minimum Concentrations	NYSDOH Indoor Air Decision Matrices - Minimum Concentrations
	Volatile Organic Compounds (µg/m3)	
1,1,1-Trichloroethane	100	3
1,1-Dichloroethene	6	0.2
1,2,4-Trimethylbenzene	60	2
1,3,5-Trimethylbenzene	60	2
2,2,4-Trimethylpentane	60	2
Benzene	60	2
Carbon tetrachloride	6	0.2
cis-1,2-Dichloroethene	6	0.2
Cyclohexane	60	2
Ethylbenzene	60	2
Heptane	200	6
Methylene chloride	100	3
n-Hexane	200	6
Naphthalene	60	2
o-Xylene	60	2
p/m-Xylene	200	6
Tetrachloroethene	100	3
Toluene	300	10
Trichloroethene	6	0.2
Vinyl chloride	6	0.2



**DRAFT PRINT**

Analyte exceeds the NYSDOH decision matrix minimum concentration level for soil vapor.  
 Analyte exceeds the NYSDOH decision matrix minimum concentration level for indoor air.

NO.	ISSUE/DESCRIPTION	BY	DATE

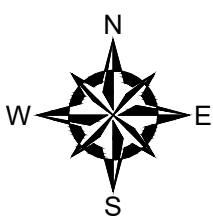
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**9 N. 15TH STREET SITE  
 BCP SITE C224397  
 9 NORTH 15TH STREET, BROOKLYN, NEW YORK**

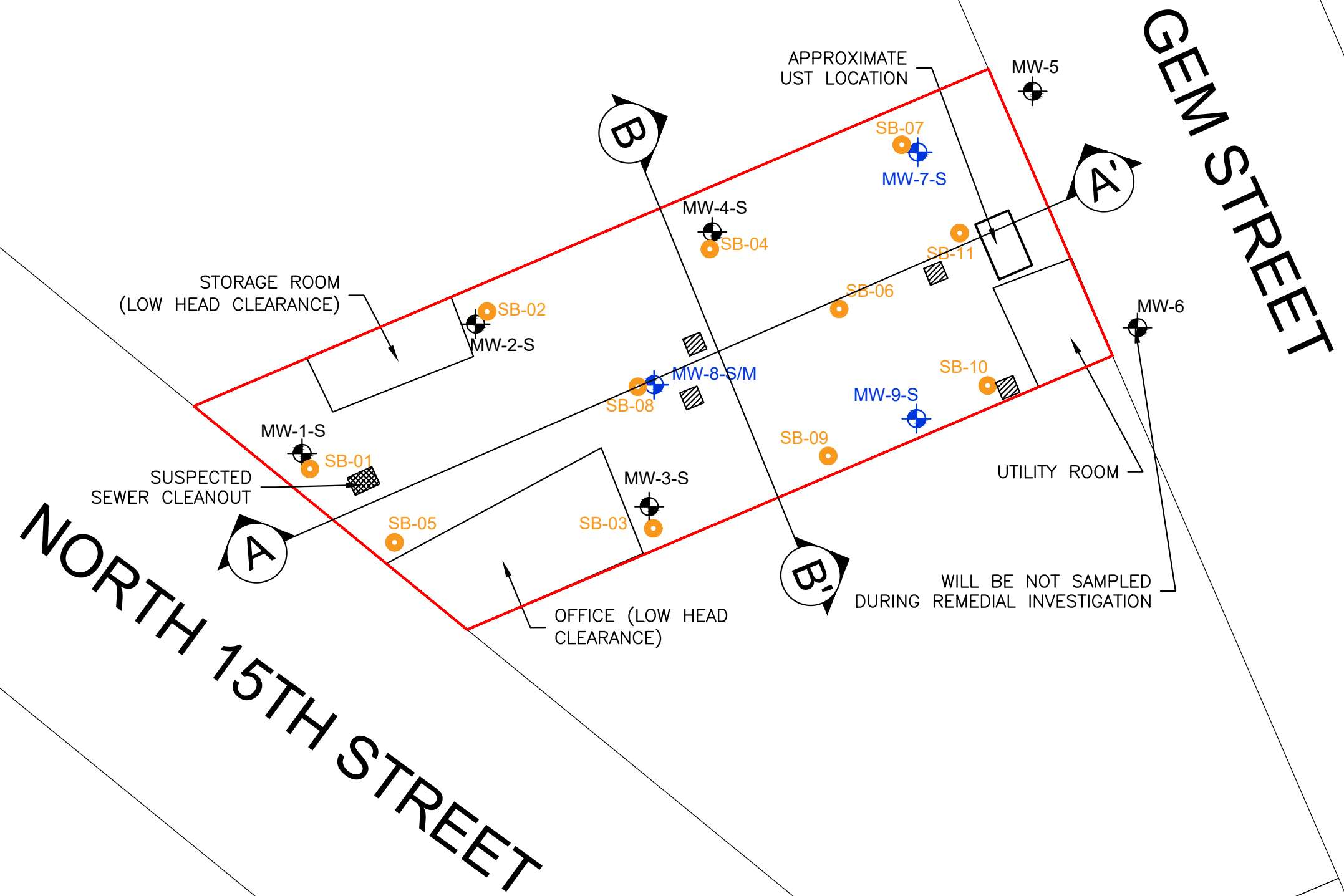
**VOLATILE ORGANIC COMPOUNDS  
 IN SOIL VAPOR AND AMBIENT AIR**

PREPARED BY: <b>GZA</b> GeoEnvironmental of NY Engineers and Scientists www.gza.com	PREPARED FOR: 9N15INLET LLC SOLSTICE EQUITIES LLC		
PROJ MGR: JB	REVIEWED BY: JB	CHECKED BY:	FIGURE
DESIGNED BY: SG	DRAWN BY: SG	SCALE: 1"=20'	<b>4</b>
DATE: SEPT. 2025	PROJECT NO. 41.0163352.20	REVISION NO.	

©2025 - GZA GeoEnvironmental of NY.  
 GZA-J:\Active 163300 to 163399\163352.20 - C224397 - 9 N 15th Street BCP R\Drawings\GZA CAD\4.1.0163352.20 Soil Profiles.dwg [FIG 2 - 17x11] September 22, 2025 - 1:01pm jackson.bogach



DRAFT PRINT



**GENERAL NOTES**

1. PARCELS DEVELOPED FROM NEW YORK CITY DEPARTMENT OF PLANNING MAPPLUTO.
2. EXISTING MONITORING WELL LOCATIONS ARE APPROXIMATED FROM "LIMITED PHASE II SUBSURFACE INVESTIGATION", DATED FEBRUARY 22, 2022, PREPARED BY LAUREL ENVIRONMENTAL GEOSCIENCES DPC.
3. SAMPLING LOCATIONS ARE APPROXIMATE AND BASED ON HAND MEASUREMENTS TO EXISTING SITE FEATURES.
4. GROUNDWATER MONITORING WELL LOCATIONS ARE DENOTED AS 'S' - SHALLOW SCREEN 'M' - INTERMEDIATE DEPTH SCREEN
5. MW-1-S, MW-2-S, MW-3-S, AND MW-4-S WERE PREVIOUSLY INSTALLED BY LAUREL ENVIRONMENTAL GEOSCIENCES AS MW-1, MW-2, MW-3, MW-4.

**LEGEND**

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE LIMITS OF SURROUNDING TAX PARCELS
- APPROXIMATE FLOOR DRAIN LOCATION
- APPROXIMATE SOIL BORING LOCATION
- APPROXIMATE PERMANENT GROUNDWATER MONITORING WELL LOCATION - SEE NOTE 4 FOR DENOTATIONS
- APPROXIMATE LOCATION OF PREVIOUSLY INSTALLED EXISTING GROUNDWATER MONITORING WELL



NO.	ISSUE/DESCRIPTION	BY	DATE

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**9 N. 15TH STREET SITE**  
 BCP SITE C224397  
 9 NORTH 15TH STREET, BROOKLYN, NEW YORK

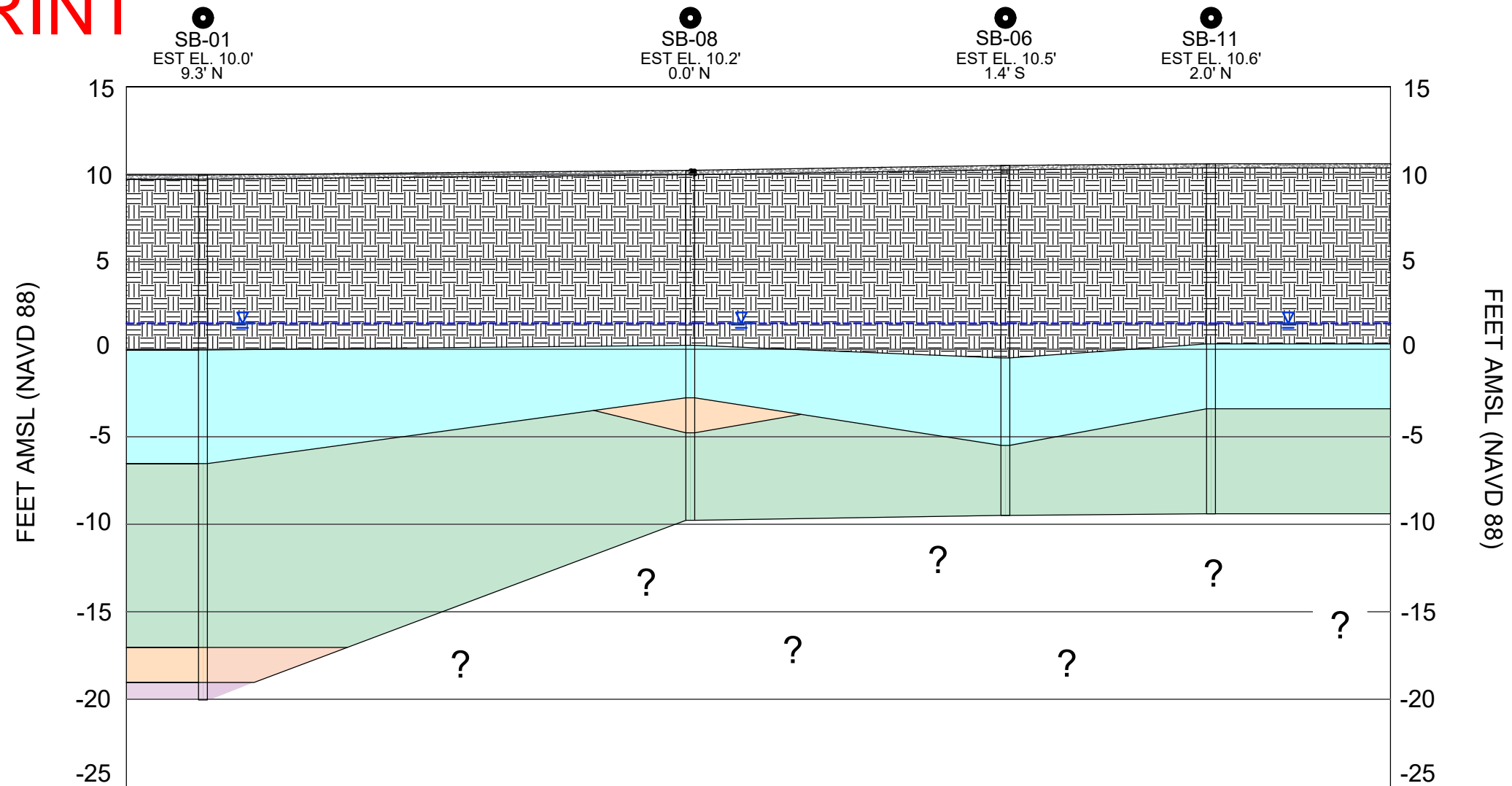
SUBSURFACE PROFILE LAYOUT MAP

PREPARED BY: <b>GZA GeoEnvironmental of NY</b> Engineers and Scientists www.gza.com	PREPARED FOR: 9N15INLET LLC SOLSTICE EQUITIES LLC
--	---

PROJ MGR: JB	REVIEWED BY: JB	CHECKED BY:	<b>FIGURE</b>  <span style="font-size: 24pt; font-weight: bold;">5A</span> SHEET NO.
DESIGNED BY: LWC	DRAWN BY: LWC	SCALE: 1" = 20'	
DATE: SEPT. 2025	PROJECT NO. 41.0163350.20	REVISION NO. -	

# DRAFT PRINT

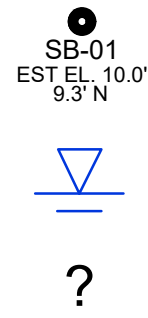
©2025 - GZA GeoEnvironmental of NY. GZA-J:\Active 163300 to 163399\163352.20 - C224397 - 9 N 15th Street BCP R\Drawings\GZA CAD\4.1.0163352.20 Soil Profiles.dwg [FIG 2 - 17x11 (3)\_A-A] September 22, 2025 - 1:13pm jackson.bogach



**SUBSURFACE PROFILE A-A'**

**GENERAL NOTES**

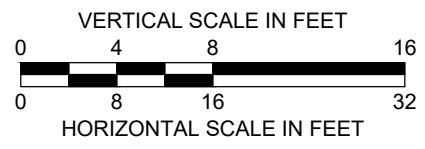
- SEE FIGURE 5A FOR THE BORING LOCATION PLAN.
- VERTICAL DATUM REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- THE STRATIFICATION LINES BETWEEN BORINGS ARE INTERPOLATED BETWEEN WIDELY SPACED EXPLORATION LOCATIONS AND THUS REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES. ACTUAL TRANSITIONS MAY VARY FROM THOSE SHOWN.
- REFER TO THE BORING LOGS FOR ADDITIONAL INFORMATION.
- GROUND SURFACE ELEVATIONS ARE ESTIMATED BASED ON THE MONITORING WELL SURVEY CONDUCTED BY DPK LAND SURVEYING ON AUGUST 11, 2025.



- INDICATES BORING DESIGNATION
- INDICATES SURFACE ELEVATION OF BORING
- INDICATES DISTANCE AND OFFSET DIRECTION FROM PROFILE LINE
- INFERRED WATER TABLE BASED ON GROUNDWATER GAUGING PERFORMED IN AUGUST 2025
- UNKNOWN SUBSURFACE MATERIAL CLASSIFICATION DUE TO LIMITATIONS IN EXPLORATION

**LEGEND**

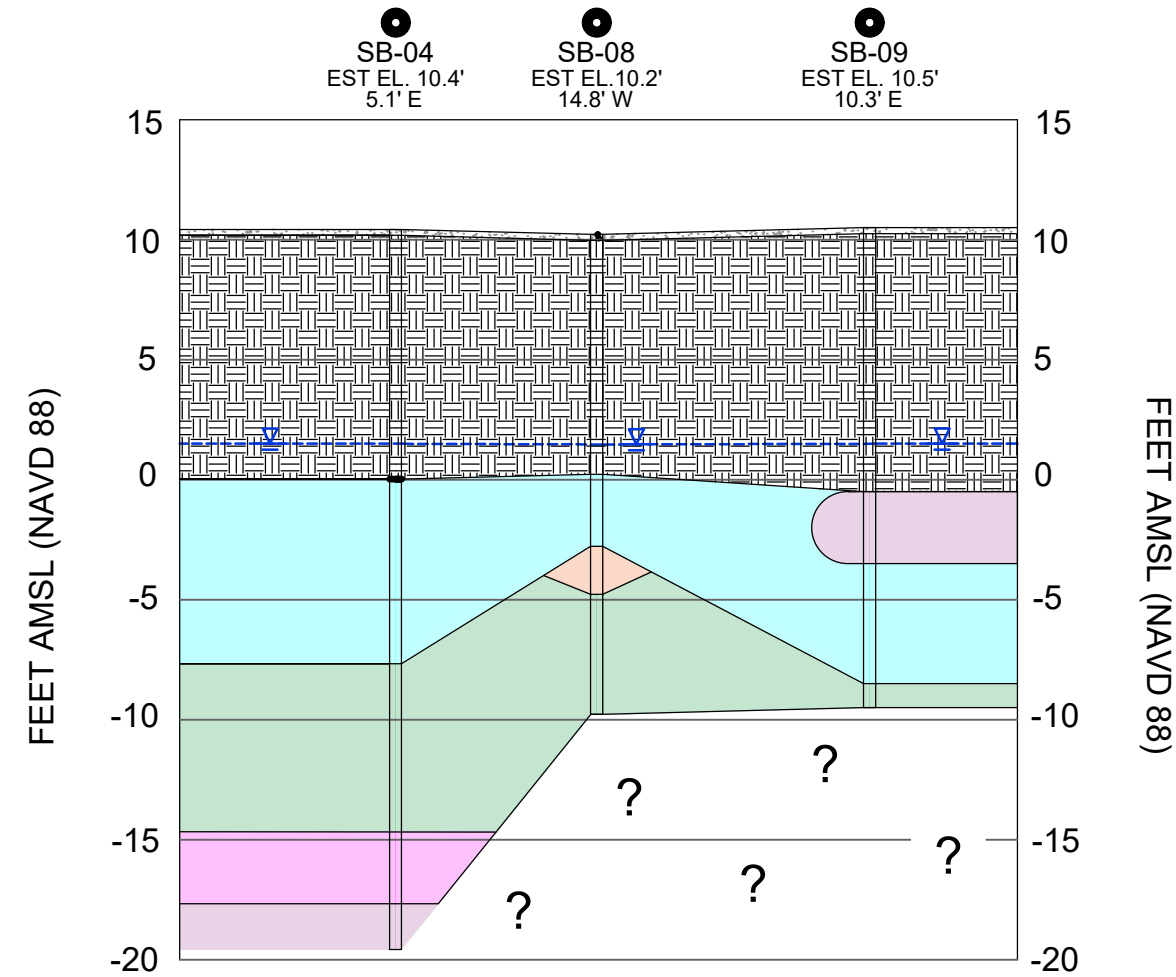
- INFERRED ELEVATION OF GROUNDWATER
- [Pattern] CONCRETE
- [Pattern] FILL
- [Color] GRAVEL
- [Color] CLAY
- [Color] SILTY SAND
- [Color] SAND



NO.	ISSUE/DESCRIPTION	BY	DATE
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<b>9 N. 15TH STREET SITE</b> <b>BCP SITE C224397</b> <b>9 NORTH 15TH STREET, BROOKLYN, NEW YORK</b>			
<b>SUBSURFACE PROFILE A-A'</b>			
PREPARED BY: <b>GZA GeoEnvironmental of NY</b> Engineers and Scientists www.gza.com		PREPARED FOR: 9N15INLET LLC SOLSTICE EQUITIES LLC	
PROJ MGR: JB	REVIEWED BY: JB	CHECKED BY: =	<b>FIGURE 5B</b> SHEET NO.
DESIGNED BY: LWC	DRAWN BY: LWC	SCALE: SEE SCALE	
DATE: SEPT. 2025	PROJECT NO. 41.0163350.20	REVISION NO. -	

# DRAFT PRINT

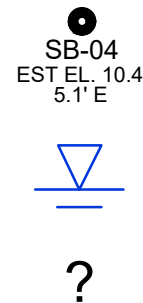
©2025 - GZA GeoEnvironmental of NY, GZA-J:\Active 163300 to 163399\163352.20 - C224397 - 9 N 15th Street BCP RI\Drawings\GZA CAD\4.1.0163352.20 Soil Profiles.dwg [FIG 2 - 17x11\_B-B'] September 22, 2025 - 1:16pm jackson.bogach



**SUBSURFACE PROFILE B-B'**

**GENERAL NOTES**

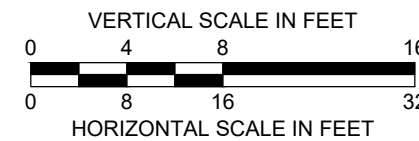
1. SEE FIGURE 5A FOR THE BORING LOCATION PLAN.
2. VERTICAL DATUM REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
3. THE STRATIFICATION LINES BETWEEN BORINGS ARE INTERPOLATED BETWEEN WIDELY SPACED EXPLORATION LOCATIONS AND THUS REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES. ACTUAL TRANSITIONS MAY VARY FROM THOSE SHOWN.
4. REFER TO THE BORING LOGS FOR ADDITIONAL INFORMATION.
5. GROUND SURFACE ELEVATIONS ARE ESTIMATED BASED ON THE MONITORING WELL SURVEY CONDUCTED BY DPK LAND SURVEYING ON AUGUST 11, 2025.



- INDICATES BORING DESIGNATION
- INDICATES SURFACE ELEVATION OF BORING
- INDICATES DISTANCE AND OFFSET DIRECTION FROM PROFILE LINE
- INFERRED WATER TABLE BASED ON GROUNDWATER GAUGING PERFORMED IN AUGUST 2025
- UNKNOWN SUBSURFACE MATERIAL CLASSIFICATION DUE TO LIMITATIONS IN EXPLORATION

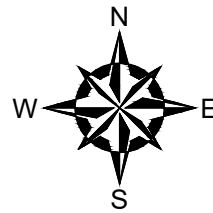
**LEGEND**

- INFERRED ELEVATION OF GROUNDWATER
- [Pattern] CONCRETE
- [Pattern] FILL
- [Color] GRAVEL
- [Color] CLAY
- [Color] SILTY SAND
- [Color] SAND
- [Color] CLAYEY SILT

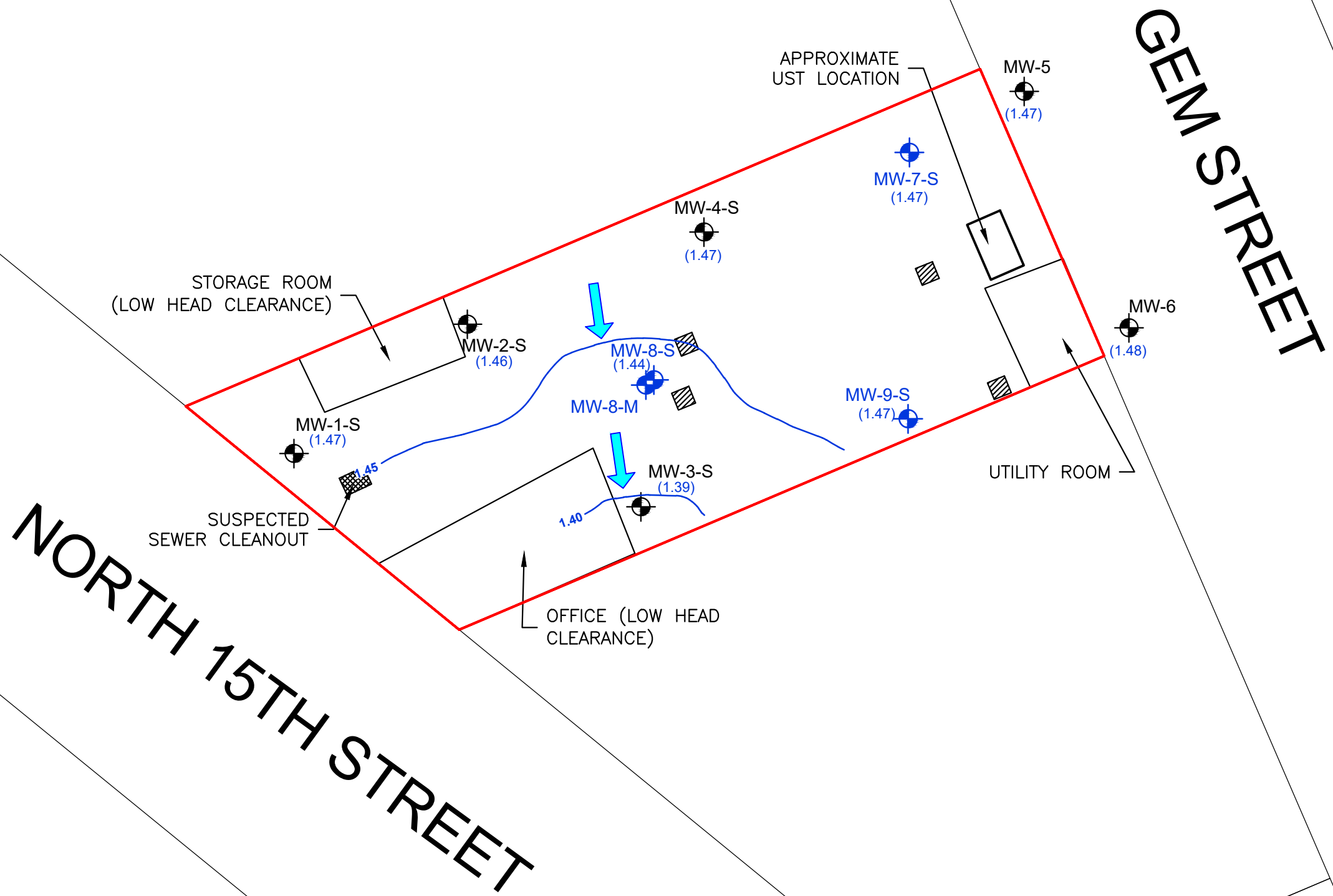


NO.	ISSUE/DESCRIPTION	BY	DATE
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<b>9 N. 15TH STREET SITE</b> <b>BCP SITE C224397</b> <b>9 NORTH 15TH STREET, BROOKLYN, NEW YORK</b>			
<b>SUBSURFACE PROFILE B-B'</b>			
PREPARED BY: <b>GZA GeoEnvironmental of NY</b> Engineers and Scientists www.gza.com		PREPARED FOR: 9N15INLET LLC SOLSTICE EQUITIES LLC	
PROJ MGR: JB DESIGNED BY: LWC DATE: SEPT. 2025	REVIEWED BY: JB DRAWN BY: LWC PROJECT NO. 41.0163352.20	CHECKED BY: SCALE: SEE SCALE REVISION NO. -	FIGURE <b>5C</b> SHEET NO.

©2025 - GZA GeoEnvironmental of NY.  
 GZA-J:\Active 163300 to 163399\163352.20 - C224397 - 9 N 15th Street BCP R\Drawings\GZA CAD\41.0163352.20 - RIR.dwg [FIG 7 - 17x11\_CW Contour] August 20, 2025 - 12:49pm jackson.bogach



**DRAFT PRINT**

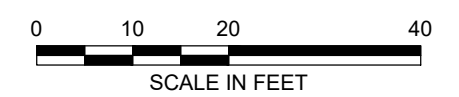


**GENERAL NOTES**

1. PARCELS DEVELOPED FROM NEW YORK CITY DEPARTMENT OF PLANNING MAPLUTO.
2. PREVIOUSLY INSTALLED MONITORING WELL LOCATIONS ARE APPROXIMATED FROM "LIMITED PHASE II SUBSURFACE INVESTIGATION", DATED FEBRUARY 22, 2022, PREPARED BY LAUREL ENVIRONMENTAL GEOSCIENCES DPC.
4. GROUND SURFACE AND CASING ELEVATIONS USED TO DEVELOP THE CONTOURS ARE BASED ON A MONITORING WELL SURVEY CONDUCTED BY DPK LAND SURVEYING ON AUGUST 11, 2025
5. GROUNDWATER ELEVATIONS WERE COLLECTED BY GZA FIELD STAFF ON AUGUST 11, 2025.
6. MW-8-M WAS NOT USED IN DEVELOPMENT OF THE INFERRED GROUNDWATER CONTOURS.

**LEGEND**

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE LIMITS OF SURROUNDING TAX PARCELS
- APPROXIMATE FLOOR DRAIN LOCATION
- + APPROXIMATE PERMANENT GROUNDWATER MONITORING WELL LOCATION INSTALLED DURING 2025 RI
- + MW-8-S
- + APPROXIMATE LOCATION OF PREVIOUSLY INSTALLED GROUNDWATER MONITORING WELL INSTALLED IN 2022 - SEE NOTE 2
- + MW-1-S
- (1.47') GROUNDWATER ELEVATION CONTOUR USED TO DEVELOP GROUND CONTOUR (NAVD 88)
- ← INFERRED GROUNDWATER FLOW DIRECTION
- 1.45 INFERRED GROUNDWATER CONTOUR OF EQUAL ELEVATION (NAVD 88)



NO.	ISSUE/DESCRIPTION	BY	DATE

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**9 N. 15TH STREET SITE**  
 BCP SITE C224397  
 9 NORTH 15TH STREET, BROOKLYN, NEW YORK

**AUGUST 11, 2025**  
**GROUNDWATER CONTOUR MAP**

PREPARED BY: <b>GZA</b> GeoEnvironmental of NY Engineers and Scientists www.gza.com	PREPARED FOR: 9N15INLET LLC SOLSTICE EQUITIES LLC
--	---

PROJ MGR: JB	REVIEWED BY: VW	CHECKED BY:	<b>FIGURE</b> <b>6</b> SHEET NO.
DESIGNED BY: JB	DRAWN BY: JB	SCALE: 1"=20'	
DATE: AUGUST 2025	PROJECT NO. 41.0163352.20	REVISION NO.	



September 2025  
*Addendum to the RIWP*  
9 North 15<sup>th</sup> Street, Brooklyn, NY  
BCP Site No. C224397

**ATTACHMENT A – Draft Remedial Investigation Soil Boring Logs**

## BORING LOG



**GZA GeoEnvironmental of New York**  
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**9N15Inlet LLC**  
**9 N 15th Street**  
**Brooklyn, New York**

**EXPLORATION NO.:** SB-01  
**SHEET:** 1 of 2  
**PROJECT NO:** 41.0163352.20  
**CHECKED BY:** JB

**Logged By:** Y. Han  
**Drilling Co.:** Clean Globe Environmental  
**Foreman:** Mario Pineda  
**Date Start:** 7/28/2025 **Finish:** 7/28/2025

**Type of Drill Rig:** Geoprobe  
**Rig Model:** 6610DT  
**Drilling Method:** Direct Push  
**Auger/Casing O.D./I.D. Dia (in.):** 2

**Boring Location:**  
**Ground Surface Elevation (ft.):**  
**Final Boring Depth (ft.):** 30

**H. Datum:**  
**V. Datum:** NAVD 88  
**Northing:** 203402  
**Easting:** 996138

**Sampler Type:** M  
**Sampler O.D. (in.):** 2.0  
**Sampler Length (in.):** 60

**Sampler used throughout unless otherwise noted on the log.**

Depth (ft)	Sample				Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
	No.	Depth (ft.)	Pen./Rec.	PID (ppm)					
1	S-1	0.0-5	60/39	0	S-1 : 0-3" Concrete			CONCRETE	0.25
2				0	3-39' Brown, Fine to Coarse SAND, little Gravel, trace concrete, brick, asphalt, glass fragments, dry				
3				0.2					
4				0.6					
5	S-2	5.0-10	60/37	0	S-2 : 0-31" Brown, Fine to Coarse SAND, little Gravel, trace concrete, brick, asphalt, glass fragments, dry			FILL	
6				0	31-38" Brown, Fine to Coarse SAND, little Gravel, trace concrete, brick, asphalt, glass fragments, moist to wet				
7				0					
8				0.8					
9						1			
10	S-3	10.0-15	60/13	16.2	S-3 : 0-13" Dark brown, Fine to Medium GRAVEL, wet	2			10
11				0		3			
12				0					
13								GRAVEL	
14									
15	S-4	15.0-20	60/56	85.9	S-4 : 0-15" Dark brown, Fine to Medium GRAVEL, wet				
16				27.4	15-56" Gray, Fat CLAY, trace Gravel, wet	4			16.5
17				8.1					
18				2.5				CLAY	
19									
20									20

- REMARKS**
- 1 - Slight odor observed
  - 2 - Groundwater encountered at approximately 9.5 feet bgs.
  - 3 - Slight odor observed
  - 4 - Odor and dark staining observed from 16-16.5 ft bgs

# DRAFT PRINT

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

**SB-01**

## BORING LOG



**GZA GeoEnvironmental  
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Built on trust.*

**9N15Inlet LLC  
9 N 15th Street  
Brooklyn, New York**

**EXPLORATION NO.:** SB-01  
**SHEET:** 2 of 2  
**PROJECT NO.:** 41.0163352.20  
**CHECKED BY:** JB

**Logged By:** Y. Han  
**Drilling Co.:** Clean Globe Environmental  
**Foreman:** Mario Pineda  
**Date Start:** 7/28/2025 **Finish:** 7/28/2025

**Type of Drill Rig:** Geoprobe  
**Rig Model:** 6610DT  
**Drilling Method:** Direct Push  
**Auger/Casing O.D./I.D. Dia (in.):** 2

**Boring Location:**  
**Ground Surface Elevation (ft.):**  
**Final Boring Depth (ft.):** 30

**H. Datum:**  
**V. Datum:** NAVD 88  
**Northing:** 203402  
**Easting:** 996138

**Sampler Type:** M  
**Sampler O.D. (in.):** 2.0  
**Sampler Length (in.):** 60

**Sampler used throughout unless otherwise noted on the log.**

Depth (ft)	Sample				Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
	No.	Depth (ft.)	Pen./ Rec.	PID (ppm)					
21	S-5	20.0-25	60/0		S-5 : No Recovery				
22									
23								NO RECOVERY	
24									
25				0.0					25
26	S-6	25.0-30	60/54		S-6 : 0-26" Gray, Fat CLAY, trace Gravel, wet				
27				1.2	26-46" Gray, Silty SAND, trace Clay, wet			CLAY	
28				5.6	46-54" Gray, Fine SAND, wet				27
29				0.3				SILTY SAND	
30				0					29
31					End of exploration at 30 feet.			SAND	30
32									
33									
34									
35									
36									
37									
38									
39									
40									

**REMARKS**

# DRAFT PRINT

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

**SB-01**

## BORING LOG



**GZA GeoEnvironmental of New York**  
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**9N15Inlet LLC**  
**9 N 15th Street**  
**Brooklyn, New York**

**EXPLORATION NO.:** SB-02  
**SHEET:** 1 of 1  
**PROJECT NO.:** 41.0163352.20  
**CHECKED BY:** JB

**Logged By:** Y. Han  
**Drilling Co.:** Clean Globe Environmental  
**Foreman:** Mario Pineda  
**Date Start:** 7/28/2025 **Finish:** 7/28/2025

**Type of Drill Rig:** Geoprobe  
**Rig Model:** 6610DT  
**Drilling Method:** Direct Push  
**Auger/Casing O.D./I.D. Dia (in.):** 2

**Boring Location:**  
**Ground Surface Elevation (ft.):**  
**Final Boring Depth (ft.):** 20

**H. Datum:**  
**V. Datum:** NAVD 88  
**Northing:** 203425  
**Easting:** 996161

**Sampler Type:** M  
**Sampler O.D. (in.):** 2.0  
**Sampler Length (in.):** 60

**Sampler used throughout unless otherwise noted on the log.**

Depth (ft)	Sample				Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
	No.	Depth (ft.)	Pen./Rec.	PID (ppm)					
1	S-1	0.0-5	60/41	0	S-1 : 0-3" Concrete			CONCRETE	0.25
2				0	3-41' Brown, Fine to Coarse SAND, trace Gravel, asphalt, glass fragments, dry				
3				0					
4				3.5					
5				1.4					
6	S-2	5.0-10	60/31	0.6	S-2 : 0-31" Brown, Fine to Coarse SAND, trace Gravel, asphalt, glass fragments, dry			FILL	
7				1.2					
8									
9									
10				7.3			1		10
11	S-3	10.0-15	60/17	29.9	S-3 : 0-17" Dark gray, Fine to Medium GRAVEL, wet	2		GRAVEL	
12									
13									
14									
15				16.3					15
16	S-4	15.0-20	60/30	8	S-4 : 0-19" Gray, Fine SAND, trace Silt, wet 19-30" Gray, Fat CLAY, trace Organics, wet			SAND	16.5
17				13.7					
18								CLAY	
19									
20									20

End of exploration at 20 feet.

**REMARKS**  
 1 - Odor observed  
 2 - Groundwater encountered at approximately 10 feet bgs.

# DRAFT PRINT

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

**SB-02**

## BORING LOG



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**9N15Inlet LLC**  
 9 N 15th Street  
 Brooklyn, New York

**EXPLORATION NO.:** SB-03  
**SHEET:** 1 of 2  
**PROJECT NO.:** 41.0163352.20  
**CHECKED BY:** JB

<b>Logged By:</b> Y. Han	<b>Type of Drill Rig:</b> Geoprobe	<b>Boring Location:</b>
<b>Drilling Co.:</b> Clean Globe Environmental	<b>Rig Model:</b> 6610DT	<b>H. Datum:</b>
<b>Foreman:</b> Mario Pineda	<b>Drilling Method:</b> Direct Push	<b>V. Datum:</b> NAVD 88
<b>Date Start:</b> 7/28/2025 <b>Finish:</b> 7/28/2025	<b>Auger/Casing O.D./I.D. Dia (in.):</b> 2	<b>Ground Surface Elevation (ft.):</b>
		<b>Final Boring Depth (ft.):</b> 30
		<b>Eastings:</b> 996197

**Sampler Type:** M  
**Sampler O.D. (in.):** 2.0  
**Sampler Length (in.):** 60

**Sampler used throughout unless otherwise noted on the log.**

Depth (ft)	Sample				Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
	No.	Depth (ft.)	Pen./ Rec.	PID (ppm)					
1	S-1	0.0-5	60/41	0.1	S-1 : 0-4" Concrete			CONCRETE	0.3
2				2.5	4-41" Brown, Fine to Coarse SAND, trace Gravel, brick, asphalt, asphalt, glass fragments, dry				
3				2.3					
4				6.0					
5				6.1					
6	S-2	5.0-10	60/16	3.8	S-2 : 0-16" Brown, Fine to Coarse SAND, trace Gravel, brick, asphalt, glass fragments, dry			FILL	
7				5.1					
8				2.4					
9									
10	S-3	10.0-15	60/14	0.4	S-3 : 0-3" Brown, Fine to Coarse SAND, trace Gravel, brick asphalt, glass fragments, dry				10.25
11				11.7	3-14" Gray, Fine to Medium SAND, trace Gravel, moist to wet	1		SAND	
12				3.1					
13									
14									
15	S-4	15.0-20	60/16	18.3	S-4 : 0-16" Gray, Fine to Medium GRAVEL, little fine to coarse Sand, wet	2			15
16				33.3				GRAVEL	
17				3.9					
18									
19									
20									20

**REMARKS**  
 1 - Groundwater encountered at approximately 11 feet bgs.  
 2 - Slight odor observed

# DRAFT PRINT

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

**SB-03**

BORING LOG GZA ENV-NO GW; 9/3/2025; 10:22:19 AM

## BORING LOG



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**9N15Inlet LLC  
9 N 15th Street  
Brooklyn, New York**

**EXPLORATION NO.:** SB-03  
**SHEET:** 2 of 2  
**PROJECT NO:** 41.0163352.20  
**CHECKED BY:** JB

<b>Logged By:</b> Y. Han	<b>Type of Drill Rig:</b> Geoprobe	<b>Boring Location:</b>
<b>Drilling Co.:</b> Clean Globe Environmental	<b>Rig Model:</b> 6610DT	<b>H. Datum:</b>
<b>Foreman:</b> Mario Pineda	<b>Drilling Method:</b> Direct Push	<b>V. Datum:</b> NAVD 88
<b>Date Start:</b> 7/28/2025 <b>Finish:</b> 7/28/2025	<b>Auger/Casing O.D./I.D. Dia (in.):</b> 2	<b>Ground Surface Elevation (ft.):</b>
		<b>Final Boring Depth (ft.):</b> 30
		<b>Easting:</b> 996197

**Sampler Type:** M  
**Sampler O.D. (in.):** 2.0  
**Sampler Length (in.):** 60

**Sampler used throughout unless otherwise noted on the log.**

Depth (ft)	Sample				Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
	No.	Depth (ft.)	Pen./ Rec.	PID (ppm)					
21	S-5	20.0-25	60/11	0.0	S-5 : 0-11" Gray, Fat CLAY, trace Organics, wet			CLAY	
22				0.0					
23									
24									
25				0.0					
26	S-6	25.0-30	60/38	0.0	S-6 : 0-36" Gray, Fat CLAY, trace Organics, wet 36-38" Gray, Fine SAND, trace Silt, wet			SAND	
27				0.0					
28				3.4					
29									
30					End of exploration at 30 feet.				
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									

**REMARKS**

# DRAFT PRINT

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

**SB-03**

## BORING LOG



**GZA GeoEnvironmental of New York**  
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**9N15Inlet LLC**  
9 N 15th Street  
Brooklyn, New York

**EXPLORATION NO.:** SB-04  
**SHEET:** 1 of 2  
**PROJECT NO.:** 41.0163352.20  
**CHECKED BY:** JB

**Logged By:** Y. Han  
**Drilling Co.:** Clean Globe Environmental  
**Foreman:** Mario Pineda  
**Date Start:** 7/25/2025 **Finish:** 7/25/2025

**Type of Drill Rig:** Geoprobe  
**Rig Model:** 6610DT  
**Drilling Method:** Direct Push  
**Auger/Casing O.D./I.D. Dia (in.):** 2

**Boring Location:**  
**Ground Surface Elevation (ft.):**  
**Final Boring Depth (ft.):** 30

**H. Datum:**  
**V. Datum:** NAVD 88  
**Northing:** 203440  
**Easting:** 996197

**Sampler Type:** M  
**Sampler O.D. (in.):** 2.0  
**Sampler Length (in.):** 60

**Sampler used throughout unless otherwise noted on the log.**

Depth (ft)	Sample				Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
	No.	Depth (ft.)	Pen./ Rec.	PID (ppm)					
1	S-1	0.0-5	60/50	11.5 10.3	S-1 : 0-3" Concrete 3-50" Brown, Fine to Coarse SAND, trace Gravel, glass and brick fragments, dry			CONCRETE	0.25
2				29.6					
3				27.8					
4				15.1					
5				16.1					
6	S-2	5.0-10	60/32	6.0	S-2 : 0-29" Brown, Fine to Coarse SAND, trace Gravel, glass and brick fragments, dry			FILL	
7				8.4	29-32" Brown, Fine to Coarse SAND, trace Gravel, glass and brick fragments, moist				
8				6.3					
9				32.8					
10				24.7					
11	S-3	10.0-15	60/24	230.0	S-3 : 0-4" Brown, Fine to Coarse SAND, trace gravel, glass and brick fragments, moist				10.3
12					4-24" Dark brown, Fine to Medium GRAVEL, trace fine Sand, wet	1			
13				178.0		2		GRAVEL	
14				264.0					
15				110.0					
16	S-4	15.0-20	60/24	113.0	S-4 : 0-20" Dark brown, Fine to Medium GRAVEL, trace fine Sand, wet	3			
17				240.0	20-24" Gray, Fat CLAY, wet				
18				75.5					18
19				32.5				CLAY	
20									

**REMARKS**

- 1 - Groundwater encountered at approximately 11 feet bgs.
- 2 - Slight odor observed
- 3 - Slight odor observed

DRAFT PRINT

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

**SB-04**

## BORING LOG



**GZA GeoEnvironmental of New York**  
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**9N15Inlet LLC**  
 9 N 15th Street  
 Brooklyn, New York

**EXPLORATION NO.:** SB-04  
**SHEET:** 2 of 2  
**PROJECT NO:** 41.0163352.20  
**CHECKED BY:** JB

<b>Logged By:</b> Y. Han	<b>Type of Drill Rig:</b> Geoprobe	<b>Boring Location:</b>
<b>Drilling Co.:</b> Clean Globe Environmental	<b>Rig Model:</b> 6610DT	<b>H. Datum:</b>
<b>Foreman:</b> Mario Pineda	<b>Drilling Method:</b> Direct Push	<b>V. Datum:</b> NAVD 88
<b>Date Start:</b> 7/25/2025 <b>Finish:</b> 7/25/2025	<b>Auger/Casing O.D./I.D. Dia (in.):</b> 2	<b>Ground Surface Elevation (ft.):</b>
		<b>Final Boring Depth (ft.):</b> 30
		<b>Easting:</b> 996197

**Sampler Type:** M  
**Sampler O.D. (in.):** 2.0  
**Sampler Length (in.):** 60

**Sampler used throughout unless otherwise noted on the log.**

Depth (ft)	Sample				Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
	No.	Depth (ft.)	Pen./ Rec.	PID (ppm)					
21	S-5	20.0-25	60/5	25.0	S-5 : 0-5" Gray, Fat CLAY, wet			CLAY	
22				4.0					
23									
24									
25	S-6	25.0-30	60/36	5.0	S-6 : 0-24" Gray, Clayey SILT, wet 24-36" Gray, fine SAND, little Silt, trace Clay, wet			CLAYEY SILT	25
26				17.0					
27				6.3					
28				5.5					
29									
30								SAND	30
31					End of exploration at 30 feet.				
32									
33									
34									
35									
36									
37									
38									
39									
40									

**REMARKS**

# DRAFT PRINT

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

**SB-04**

## BORING LOG



**GZA GeoEnvironmental of New York**  
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**9N15Inlet LLC**  
 9 N 15th Street  
 Brooklyn, New York

**EXPLORATION NO.:** SB-05  
**SHEET:** 1 of 1  
**PROJECT NO:** 41.0163352.20  
**CHECKED BY:** JB

**Logged By:** Y. Han  
**Drilling Co.:** Clean Globe Environmental  
**Foreman:** Mario Pineda  
**Date Start:** 7/28/2025 **Finish:** 7/28/2025

**Type of Drill Rig:** Geoprobe  
**Rig Model:** 6610DT  
**Drilling Method:** Direct Push  
**Auger/Casing O.D./I.D. Dia (in.):** 2

**Boring Location:**  
**Ground Surface Elevation (ft.):**  
**Final Boring Depth (ft.):** 20

**H. Datum:**  
**V. Datum:** NAVD 88  
**Northing:**  
**Easting:**

**Sampler Type:** M  
**Sampler O.D. (in.):** 2.0  
**Sampler Length (in.):** 60

**Sampler used throughout unless otherwise noted on the log.**

Depth (ft)	Sample				Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
	No.	Depth (ft.)	Pen./Rec.	PID (ppm)					
1	S-1	0.0-5	60/34	0	S-1 : 0-3" Concrete			CONCRETE	0.25
2				0	3-34" Brown, Fine to Coarse SAND, little Gravel, trace asphalt, brick, glass fragments, dry				
3				1					
4				1.9					
5	S-2	5.0-10	60/28	0	S-2 : 0-27" Brown, Fine to Coarse SAND, little Gravel, trace asphalt, brick, glass fragments, dry			FILL	
6				2.4	27-28" Brown, Fine to Coarse SAND, little Gravel, trace asphalt, brick glass fragments, moist				
7				6.9					
8									
9									
10	S-3	10.0-15	60/39	1.4	S-3 : 0-21" Brown, Fine to Medium GRAVEL, little fine to coarse Sand, wet	1		GRAVEL	10
11				10.4	21-39" Gray, Fat CLAY, trace Organics, wet				
12				47.4					
13				16.8					
14				10.3		2			13.5
15	S-4	15.0-20	60/13	35	S-4 : 0-13" Gray, Fat CLAY, trace Organics, wet			CLAY	
16				87					
17				13.5					
18									
19									
20									20

**REMARKS**

1 - Groundwater encountered at approximately 10 feet bgs.  
 2 - Odor and dark staining observed at approximately 13-13.5 feet bgs.

**DRAFT PRINT**

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

**SB-05**

BORING LOG GZA ENV-NO GW; 9/3/2025; 10:22:20 AM

**BORING LOG**



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**9N15Inlet LLC**  
9 N 15th Street  
Brooklyn, New York

**EXPLORATION NO.:** SB-06  
**SHEET:** 1 of 1  
**PROJECT NO.:** 41.0163352.20  
**CHECKED BY:** JB

**Logged By:** Y. Han  
**Drilling Co.:** Clean Globe Environmental  
**Foreman:** Mario Pineda  
**Date Start:** 7/25/2025 **Finish:** 7/25/2025

**Type of Drill Rig:** Geoprobe  
**Rig Model:** 6610DT  
**Drilling Method:** Direct Push  
**Auger/Casing O.D./I.D. Dia (in.):** 2

**Boring Location:**  
**Ground Surface Elevation (ft.):**  
**Final Boring Depth (ft.):** 20

**H. Datum:**  
**V. Datum:** NAVD 88  
**Northing:**  
**Easting:**

**Sampler Type:** M  
**Sampler O.D. (in.):** 2.0  
**Sampler Length (in.):** 60

**Sampler used throughout unless otherwise noted on the log.**

Depth (ft)	Sample				Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
	No.	Depth (ft.)	Pen./ Rec.	PID (ppm)					
1	S-1	0.0-5	60/40	1.1 3.7	S-1 : 0-3" Concrete 3-40" Brown, Fine to Coarse SAND, trace Gravel, asphalt, brick, glass fragments, dry			CONCRETE	0.25
2				5.7					
3				4.0					
4				8.1					
5	S-2	5.0-10	60/22	3.6	S-2 : 0-22" Brown, Fine to Coarse SAND, trace Gravel, asphalt, brick, glass fragments, dry			FILL	
6				5.8					
7				6.6					
8									
9									
10	S-3	10.0-15	60/24	5.7	S-3 : 0-6" Brown, Fine to Coarse SAND, trace Gravel, asphalt, brick, glass fragments, moist				11
11				59.4	6-24" Dark brown, Fine to Medium GRAVEL, little fine to coarse Sand, wet	1			
12				55.5		2		GRAVEL	
13				154					
14									
15	S-4	15.0-20	60/60	15.4	S-4 : 0-8" Dark brown, Fine to Medium GRAVEL, little fine to coarse Sand, wet	3			16
16				23.3	8-60" Gray, Fat CLAY, trace Organics, wet				
17				14.3					
18				12.5				CLAY	
19				10.2					
20									20

**REMARKS**  
1 - Groundwater encountered at approximately 11 feet bgs.  
2 - Odor observed  
3 - Odor observed

**DRAFT PRINT**

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

**SB-06**

BORING LOG GZA ENV-NO GW; 9/3/2025; 10:22:21 AM

**BORING LOG**



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**9N15Inlet LLC**  
9 N 15th Street  
Brooklyn, New York

**EXPLORATION NO.:** SB-07  
**SHEET:** 1 of 2  
**PROJECT NO.:** 41.0163352.20  
**CHECKED BY:** JB

**Logged By:** Y. Han  
**Drilling Co.:** Clean Globe Environmental  
**Foreman:** Mario Pineda  
**Date Start:** 7/25/2025 **Finish:** 7/25/2025

**Type of Drill Rig:** Geoprobe  
**Rig Model:** 6610DT  
**Drilling Method:** Direct Push  
**Auger/Casing O.D./I.D. Dia (in.):** 2

**Boring Location:**  
**Ground Surface Elevation (ft.):**  
**Final Boring Depth (ft.):** 30

**H. Datum:**  
**V. Datum:** NAVD 88  
**Northing:** 203455  
**Easting:** 996234

**Sampler Type:** M  
**Sampler O.D. (in.):** 2.0  
**Sampler Length (in.):** 60

**Sampler used throughout unless otherwise noted on the log.**

Depth (ft)	Sample				Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
	No.	Depth (ft.)	Pen./ Rec.	PID (ppm)					
1	S-1	0.0-5	60/41	4.4	S-1 : 0-2" Concrete			CONCRETE	0.2
2				10.2	2-41" Brown, Fine to Coarse SAND, little Gravel, trace Silt, asphalt, brick, glass fragments, dry				
3				12.1					
4				9.9					
5				17.6					
6	S-2	5.0-10	60/19	13.3	S-2 : 0-19" Brown, Fine to Coarse SAND, little Gravel, trace Silt, asphalt, brick, glass fragments, dry				
7				15.2				FILL	
8				12.3					
9									
10	S-3	10.0-15	60/36	6.4	S-3 : 0-29" Brown, Fine to Coarse SAND, little Gravel, trace Silt, asphalt, brick, glass fragments, moist	1			
11				9.2	29-36" Gray, Fine SAND, little Silt, trace Gravel, wet				
12				9.6					
13				44.3					13
14				42.2				SAND	
15	S-4	15.0-20	60/52	2.0	S-4 : 0-52 Gray, Fat CLAY, trace Organics, wet	2			15
16				2.7		3			
17				1.6				CLAY	
18				1.8					
19				2.0					
20									

**REMARKS**

- 1 - Groundwater encountered at approximately 10 feet bgs.
- 2 - Strong naphthalene odor observed
- 3 - Slight odor observed
- 4 - Slight odor observed

**DRAFT PRINT**

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

**SB-07**

## BORING LOG



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**9N15Inlet LLC  
9 N 15th Street  
Brooklyn, New York**

**EXPLORATION NO.:** SB-07  
**SHEET:** 2 of 2  
**PROJECT NO.:** 41.0163352.20  
**CHECKED BY:** JB

**Logged By:** Y. Han  
**Drilling Co.:** Clean Globe Environmental  
**Foreman:** Mario Pineda  
**Date Start:** 7/25/2025 **Finish:** 7/25/2025

**Type of Drill Rig:** Geoprobe  
**Rig Model:** 6610DT  
**Drilling Method:** Direct Push  
**Auger/Casing O.D./I.D. Dia (in.):** 2

**Boring Location:**  
**Ground Surface Elevation (ft.):**  
**Final Boring Depth (ft.):** 30

**H. Datum:**  
**V. Datum:** NAVD 88  
**Northing:** 203455  
**Easting:** 996234

**Sampler Type:** M  
**Sampler O.D. (in.):** 2.0  
**Sampler Length (in.):** 60

**Sampler used throughout unless otherwise noted on the log.**

Depth (ft)	Sample				Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
	No.	Depth (ft.)	Pen./ Rec.	PID (ppm)					
21	S-5	20.0-25	60/16	0.6	S-5 : 0-8" Gray, Fat CLAY, trace Organics, wet	4		CLAY	22.5
22				0.6	8-16" Gray, Sandy SILT, little Clay, wet				
23									
24									
25									
26	S-6	25.0-30	60/51	0.1	S-6 : 0-9" Gray, Sandy SILT, little Clay, wet				
27				0.1	9-32" Gray, Clayey SILT, little fine Sand, wet				26
28				0.2	32-51" Brown, Fine to Medium SAND, wet				
29				0.2					
30				0.0					28
31				0.0					
32				0.2					
33									
34									
35									
36									
37									
38									
39									
40									30
					End of exploration at 30 feet.				

**REMARKS**

# DRAFT PRINT

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

**SB-07**

## BORING LOG



**GZA GeoEnvironmental of New York**  
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**9N15Inlet LLC**  
 9 N 15th Street  
 Brooklyn, New York

**EXPLORATION NO.:** SB-08  
**SHEET:** 1 of 1  
**PROJECT NO.:** 41.0163352.20  
**CHECKED BY:** JB

**Logged By:** Y. Han  
**Drilling Co.:** Clean Globe Environmental  
**Foreman:** Mario Pineda  
**Date Start:** 7/25/2025 **Finish:** 7/25/2025

**Type of Drill Rig:** Geoprobe  
**Rig Model:** 6610DT  
**Drilling Method:** Direct Push  
**Auger/Casing O.D./I.D. Dia (in.):** 2

**Boring Location:**  
**Ground Surface Elevation (ft.):**  
**Final Boring Depth (ft.):** 20

**H. Datum:**  
**V. Datum:** NAVD 88  
**Northing:** 203417  
**Easting:** 996186

**Sampler Type:** M  
**Sampler O.D. (in.):** 2.0  
**Sampler Length (in.):** 60

**Sampler used throughout unless otherwise noted on the log.**

Depth (ft)	Sample				Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
	No.	Depth (ft.)	Pen./ Rec.	PID (ppm)					
1	S-1	0.0-5	60/42	4.7 25.7	S-1 : 0-3" Concrete			CONCRETE	0.25
2				16.4	3-42" Brown, Fine to Coarse SAND, little Gravel, trace brick and glass fragments, dry				
3				15.5					
4				16.7					
5				18.4					
6	S-2	5.0-10	60/19	13.0	S-2 : 0-19" Brown, Fine to Coarse SAND, little Gravel, trace brick and glass fragments, dry			FILL	
7				6.6					
8				6.5					
10	S-3	10.0-15	60/18	23.7	S-3 : 0-10" Brown, Fine to Medium GRAVEL, little fine to coarse Sand, wet	1			10
11				33.3	10-18" Dark brown, Silty SAND, little Gravel, trace Clay, wet			GRAVEL	
12				17.3					
13							2		
14								SILTY SAND	
15	S-4	15.0-20	60/16	304	S-4 : 0-6" Gray, Fat CLAY, trace Organics, wet	3			15
16				236		4			
17				57				CLAY	
18									
19									
20									20

End of exploration at 20 feet.

**REMARKS**

- 1 - Groundwater encountered at approximately 10 feet bgs.
- 2 - Odor observed
- 3 - Dark staining above clay layer from 15 to 19 ft bgs.
- 4 - Strong odor observed

# DRAFT PRINT

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

**SB-08**

## BORING LOG



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**9N15Inlet LLC**  
 9 N 15th Street  
 Brooklyn, New York

**EXPLORATION NO.:** SB-09  
**SHEET:** 1 of 2  
**PROJECT NO.:** 41.0163352.20  
**CHECKED BY:** JB

<b>Logged By:</b> Y. Han	<b>Type of Drill Rig:</b> Geoprobe	<b>Boring Location:</b>
<b>Drilling Co.:</b> Clean Globe Environmental	<b>Rig Model:</b> 6610DT	<b>H. Datum:</b>
<b>Foreman:</b> Mario Pineda	<b>Drilling Method:</b> Direct Push	<b>V. Datum:</b> NAVD 88
<b>Date Start:</b> 7/28/2025 <b>Finish:</b> 7/28/2025	<b>Auger/Casing O.D./I.D. Dia (in.):</b> 2	<b>Ground Surface Elevation (ft.):</b>
		<b>Final Boring Depth (ft.):</b> 30
		<b>Eastings:</b> 996237

**Sampler Type:** M  
**Sampler O.D. (in.):** 2.0  
**Sampler Length (in.):** 60

**Sampler used throughout unless otherwise noted on the log.**

Depth (ft)	Sample				Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
	No.	Depth (ft.)	Pen./Rec.	PID (ppm)					
1	S-1	0.0-5	60/36	1.7	S-1 : 0-3" Concrete 3-36" Brown, Fine to Coarse SAND, little gravel, trace brick, glass, concrete fragments, dry			CONCRETE	0.25
2				6.5					
3				10.2					
4				5.2					
5	S-2	5.0-10	60/21	5.6	S-2 : 0-21" Brown, Fine to Coarse SAND, little Gravel, trace brick and glass fragments, dry			FILL	
6				7.7					
7				5.7					
8	S-3	10.0-15	60/46	4.9	S-3 : 0-9" Brown, Fine to Coarse SAND, little Gravel, trace brick and glass fragments, dry to moist 9-21" Brown, Fine to Medium SAND, some Gravel, wet 21-38" Gray, Fine SAND, some Silt, trace Gravel, wet 38-46" Dark Gray, Fine to Medium GRAVEL, little fine Sand, trace Silt, wet	1		SAND	11
11				1.3					
12				4.2					
13				20.7					
14				12.9					
15				4.2					
16	S-4	15.0-20	60/48	13.1	S-4 : 0-35" Dark Gray, Fine to Medium GRAVEL, little fine Sand, trace Silt, wet 35-48" Gray, Fat CLAY, trace Organics, wet	3		GRAVEL	
17				14					
18				19.8					
19				8.6					
20								CLAY	20

**REMARKS**

- 1 - Odor observed
- 2 - Groundwater encountered at approximately 11 feet bgs.
- 3 - Slight odor observed

# DRAFT PRINT

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

**SB-09**

BORING LOG GZA ENV-NO GW; 9/3/2025; 10:22:22 AM

**BORING LOG**



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**9N15Inlet LLC**  
 9 N 15th Street  
 Brooklyn, New York

**EXPLORATION NO.:** SB-09  
**SHEET:** 2 of 2  
**PROJECT NO:** 41.0163352.20  
**CHECKED BY:** JB

**Logged By:** Y. Han  
**Drilling Co.:** Clean Globe Environmental  
**Foreman:** Mario Pineda  
**Date Start:** 7/28/2025 **Finish:** 7/28/2025

**Type of Drill Rig:** Geoprobe  
**Rig Model:** 6610DT  
**Drilling Method:** Direct Push  
**Auger/Casing O.D./I.D. Dia (in.):** 2

**Boring Location:**  
**Ground Surface Elevation (ft.):**  
**Final Boring Depth (ft.):** 30

**H. Datum:**  
**V. Datum:** NAVD 88  
**Northing:** 203413  
**Easting:** 996237

**Sampler Type:** M  
**Sampler O.D. (in.):** 2.0  
**Sampler Length (in.):** 60

**Sampler used throughout unless otherwise noted on the log.**

Depth (ft)	Sample				Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
	No.	Depth (ft.)	Pen./ Rec.	PID (ppm)					
21	S-5	20.0-25	60/0		S-5 : No Recovery				
22									
23									
24									
25				0.1					25
26	S-6	25.0-30	60/39	0.6	S-6 : 0-12" Gray, Clayey SILT, trace fine Sand, wet 12-39" Gray, Fine to Medium GRAVEL, little fine to coarse Sand, wet			CLAYEY SILT	
27									
28									
29								GRAVEL	
30									30
31					End of exploration at 30 feet.				
32									
33									
34									
35									
36									
37									
38									
39									
40									

**REMARKS**

**DRAFT PRINT**

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

**SB-09**

## BORING LOG



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**9N15Inlet LLC**  
9 N 15th Street  
Brooklyn, New York

**EXPLORATION NO.:** SB-10  
**SHEET:** 1 of 1  
**PROJECT NO.:** 41.0163352.20  
**CHECKED BY:** JB

**Logged By:** Y. Han  
**Drilling Co.:** Clean Globe Environmental  
**Foreman:** Mario Pineda  
**Date Start:** 7/25/2025 **Finish:** 7/25/2025

**Type of Drill Rig:** Geoprobe  
**Rig Model:** 6610DT  
**Drilling Method:** Direct Push  
**Auger/Casing O.D./I.D. Dia (in.):** 2

**Boring Location:**  
**Ground Surface Elevation (ft.):**  
**Final Boring Depth (ft.):** 20

**H. Datum:**  
**V. Datum:** NAVD 88  
**Northing:**  
**Easting:**

**Sampler Type:** M  
**Sampler O.D. (in.):** 2.0  
**Sampler Length (in.):** 60

**Sampler used throughout unless otherwise noted on the log.**

Depth (ft)	Sample				Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
	No.	Depth (ft.)	Pen./ Rec.	PID (ppm)					
1	S-1	0.0-5	60/33	22.4 21.6	S-1 : 0-3" Concrete			CONCRETE	0.25
2				22.6	3-33" Brown, Fine to Coarse SAND, little Gravel, trace asphalt, brick, glass fragments, dry				
3				23					
4				19					
5				13.2					
6	S-2	5.0-10	60/27	12.1	S-2 : 0-27" Brown, Fine to Coarse SAND, little Gravel, trace asphalt, brick, glass fragments, dry			FILL	
7				11.7					
8				10.5					
9									
10	S-3	10.0-15	60/24	42.1	S-3 : 0-16" Brown, Fine to Coarse SAND, little Gravel, trace asphalt, brick, glass fragments, moist to wet				
11				40.8	16-20" Brown, Fine to Medium GRAVEL, wet	1			
12				18.2	20-24: Dark brown, Fine to Medium SAND, trace Gravel	2			12
13				51.1				GRAVEL	13
14									
15	S-4	15.0-20	60/51	1.8	S-4 : 0-11" Dark brown, Fine to Medium SAND, trace Gravel	3		SAND	
16				4.1	11-51" Gray, Fat CLAY, trace Organics, wet	4			16
17				5.3		5			
18				4.7				CLAY	
19				3.8					
20									20

**REMARKS**

1 - Groundwater encountered at approximately 11 feet bgs.  
2 - Slight odor observed  
3 - Dark staining from 14.5-15 feet bgs.  
4 - Slight odor observed  
5 - Slight odor observed

# DRAFT PRINT

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

**SB-10**

## BORING LOG



**GZA GeoEnvironmental of New York**  
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**9N15Inlet LLC**  
9 N 15th Street  
Brooklyn, New York

**EXPLORATION NO.:** SB-11  
**SHEET:** 1 of 1  
**PROJECT NO.:** 41.0163352.20  
**CHECKED BY:** JB

**Logged By:** Y. Han  
**Drilling Co.:** Clean Globe Environmental  
**Foreman:** Mario Pineda  
**Date Start:** 7/25/2025 **Finish:** 7/25/2025

**Type of Drill Rig:** Geoprobe  
**Rig Model:** 6610DT  
**Drilling Method:** Direct Push  
**Auger/Casing O.D./I.D. Dia (in.):** 2

**Boring Location:**  
**Ground Surface Elevation (ft.):**  
**Final Boring Depth (ft.):** 20

**H. Datum:**  
**V. Datum:** NAVD 88  
**Northing:**  
**Easting:**

**Sampler Type:** M  
**Sampler O.D. (in.):** 2.0  
**Sampler Length (in.):** 60

**Sampler used throughout unless otherwise noted on the log.**

Depth (ft)	Sample				Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
	No.	Depth (ft.)	Pen./ Rec.	PID (ppm)					
1	S-1	0.0-5	60/45	10.5 10.7	S-1 : 0-3" Concrete			CONCRETE	0.25
2				10.1	3-45" Brown, Fine to Coarse SAND, little Gravel, trace asphalt, brick, glass fragments, dry				
3				10.4					
4				8.8					
5				11.6					
6	S-2	5.0-10	60/24	24.4	S-2 : 0-24" Brown, Fine to Coarse SAND, little Gravel, trace asphalt, brick, glass fragments, dry			FILL	
7				11.5					
8				8.9					
9				9.0					
10	S-3	10.0-15	60/35	30.9	S-3 : 0-3" Brown, Fine to Coarse SAND, little Gravel, trace asphalt, brick, glass fragments, moist	1			10.3
11				16.2	3-23" Dark brown, Fine to Medium GRAVEL, little fine to coarse Sand, wet 23-25" Gray, Fat CLAY, trace Organics, wet	2			
12				29.5					
13				72.4					
14				53.4				GRAVEL	14
15	S-4	15.0-20	60/0		S-4 : No Recovery			CLAY	15
16									
17									
18								NO RECOVERY	
19									
20									20

End of exploration at 20 feet.

- REMARKS**
- 1 - Odor observed
  - 2 - Groundwater encountered at approximately 11 feet bgs.

# DRAFT PRINT

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard. All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

**SB-11**



September 2025  
*Addendum to the RIWP*  
9 North 15<sup>th</sup> Street, Brooklyn, NY  
BCP Site No. C224397

**ATTACHMENT B – Quality Assurance Project Plan / Field Sampling Plan**



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## QUALITY ASSURANCE PROJECT PLAN (QAPP) / FIELD SAMPLING PLAN (FSP)

9 N. 15th Street Site  
Block 2614, Lot 16  
Brooklyn, New York  
NYSDEC BCP Site No. C224397

June 2025

**PREPARED FOR:**  
**9N15Inlet LLC; and**  
**Solstice Equities LLC**

**PREPARED BY:**  
**GZA GeoEnvironmental of New York**  
104 West 29th Street, 10th Floor  
New York, NY 10001

File No. 41.0163352.10



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## 1.0 INTRODUCTION

This Quality Assurance Project Plan (QAPP) and Field Sampling Plan (FSP) presents the organization, objectives, planned activities, and specific quality assurance/quality control (QA/QC) procedures associated with the Remedial Investigation Work Plan (RIWP) at 9 Noth 15<sup>th</sup> Street, Brooklyn, New York (Site). **Figure 1** presents a Site location map.

This QAPP/FSP describes specific protocols for field sampling, sample handling and storage, chain-of-custody, laboratory analysis, and data handling and management. Preparation of the Plan was based on EPA Quality Assurance Project Plan guidance documents, including:

*EPA Requirements for Quality Assurance Project Plans* (EPA QA/R-5, March 2001); and  
*Guidance for Quality Assurance Project Plans* (EPA QA/G-5, December 2002).

The data generated from the analysis of samples will be used to determine the extent of contamination, identify impacted targets, and to compare the results of the remedial actions to site-specific cleanup goals. Potential parameters to be analyzed, including their respective quantitation limits (QLs), and data quality levels (DQLs), are provided in **Tables 1A through 1C**.

## 2.0 PROJECT ORGANIZATION AND RESPONSIBILITY

A qualified person will coordinate and manage the Site sampling and analysis program, data reduction, QA/QC, data validation, analysis, and reporting. Victoria Whelan, P.G. is a qualified environmental professional (QEP), as defined by the New York State Department of Environmental Conservation (NYSDEC) and will direct the sampling activities and coordinate laboratory and drilling activities. The intent of this QAPP/FSP is to be performed the RI in accordance with the technical guidance applicable to Technical Guidance for Site Investigation and Remediation (DER-10), and Sampling, Analysis and Assessment of Per- and Polyfluoroalykly Substances (PFAS) under NYSDEC's Part 375 Remedial Programs dated April 2023.

A qualified person will ensure that the QA/QC plan is implemented and will oversee data validation. GZA's Senior Technical Specialist, Dr. Chunhua Liu will provide oversight and technical support for the sampling and analytical procedures followed acting as the project QA Officer. This individual has the broad authority to approve or disapprove project plans, specific analyses, and final reports. The QEP is independent from the data generation activities. In general, the QA officer will be responsible for reviewing and advising on all QA/QC aspects of this program.

Laboratories used will be New York State Department of Health Environmental (NYSDOH) Laboratory Approval Program (ELAP) certified laboratories. The laboratories will communicate directly with the sampler regarding the analytical results and reporting and will be responsible for providing all labels, sample containers, field blank water, trip blanks, shipping coolers, and laboratory documentation. Qualifications of the QA officer are provided in **Attachment A**.



### 3.0 QA OBJECTIVES FOR DATA MANAGEMENT

The analytical data will be provided by the laboratory using the NYSDEC Category B deliverable format. Analytical data collected for disposal characteristics that may be requested by off-site soil or wastewater disposal facilities will be provided in the format that the facility requests.

All analytical measurements will be made so that the results are representative of the media sampled and the conditions measured. Data will be reported in consistent dry weight units for solid samples [i.e., micrograms per kilogram ( $\mu\text{g}/\text{kg}$ ) and/or milligram per kilogram ( $\text{mg}/\text{kg}$ ), micrograms per liter ( $\mu\text{g}/\text{L}$ ) or milligrams per liter ( $\text{mg}/\text{L}$ ) for aqueous samples and in micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) for soil vapor and air samples. **Table 2** presents the proposed samples, sampling and analytical parameters, analytical methods, sample preservation requirements and containers.

Quantitation Limits (QLs) are laboratory-specific and reflect those values achievable by the laboratory performing the analyses. Data Quality Levels (DQLs) are those reporting limits required to meet the objectives of the program (i.e., program action levels, cleanup standards, etc.). Data Quality Objectives (DQOs) define the quality of data and documentation required to support decisions made in the various phases of the data collection activities. The DQOs are dependent on the end uses of the data to be collected and are also expressed in terms of objectives for precision, accuracy, representativeness, completeness, and comparability.

The analytical methods to be used at this Site provide the highest level of data quality and can be used for purposes of risk assessment, evaluation of remedial alternatives and verification that cleanup standards have been met. However, in order to ensure that the analytical methodologies are capable of achieving the DQOs, measurement performance criteria have been set for the analytical measurements in terms of accuracy, precision, and completeness.

The overall QA objective is to develop and implement procedures for field sampling, chain-of-custody, laboratory analysis, and reporting which will provide results that are scientifically valid, and the levels of which are sufficient to meet DQOs. Specific procedures for sampling, chain of custody, laboratory instrument calibration, laboratory analysis, reporting of data, internal quality control, and corrective action are described in other sections of this QAPP/FSP.

**Tables 3, 4, and 5** present the precision and accuracy requirements for each parameter to be analyzed. For quantitation limits for parameters associated with soil, sediment, and solid waste samples, the laboratory will be required to attempt to meet or surpass the parameter-specific limits listed in 6 NYCRR Part 375.

For quantitation limits for parameters associated with groundwater samples, the laboratory will be required to attempt to meet or surpass the parameter-specific limits for groundwater from the Division of Water Technical and Operational Guidance Series (TOGS 1.1.1) Ambient Water Quality Standards and Guidance Values. In certain instances, if the TOGS criteria are not achievable due to analytical limitations, the laboratory will report the lowest possible quantitation limit.

For quantitation limits for parameters associated with soil gas samples, the laboratory will be required to meet the parameter-specific limits from EPA's Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance), Table 3c-SG:



Question 5 Soil Gas Screening Levels for Scenario-Specific Vapor Attenuation Factors ( $\alpha=2H10^{-3}$ ), November 2002. In certain instances, if these criteria are not achievable due to analytical limitations, the laboratory will report the lowest possible quantitation limits (see **Tables 1A through 1C** for affected analytes).

The QA objectives are defined as follows:

**Accuracy** is the closeness of agreement between an observed value and an accepted reference value. The difference between the observed value and the reference value includes components of both systematic error (bias) and random error.

Accuracy in the field is assessed through the adherence to all field instrument calibration procedures, sample handling, preservation, and holding time requirements, and through the collection of equipment blanks prior to the collection of samples for each type of equipment being used (e.g., split spoons, groundwater sampling pumps).

The laboratory will assess the overall accuracy of their instruments and analytical methods (independent of sample or matrix effects) through the measurement of “standards,” materials of accepted reference value. Accuracy will vary from analysis to analysis because of individual sample and matrix effects. In an individual analysis, accuracy will be measured in terms of blank results, the percent recovery (%R) of surrogate compounds in organic analyses, or %R of spiked compounds in matrix spikes (MSs), matrix spike duplicates (MSDs) and/or laboratory control samples (LCSs). This gives an indication of expected recovery for analytes tending to behave chemically like the spiked or surrogate compounds. **Tables 3, 4, and 5** summarize the laboratory accuracy requirements.

**Precision** is the agreement among a set of replicate measurements without consideration of the “true” or accurate value: i.e., variability between measurements of the same material for the same analyte. Precision is measured in a variety of ways including statistically, such as calculating variance or standard deviation.

Precision in the field is assessed through the collection and measurement of field duplicates (one extra sample in addition to the original field sample). Field duplicates will be collected at a frequency of one per twenty investigative samples per matrix per analytical parameter, with the exception of the Toxicity Characteristic Leaching Procedure (TCLP) parameters and parameters associated with wastewater samples. Precision will be measured through the calculation of relative percent differences (RPDs). The resulting information will be used to assess sampling and analytical variability. Field duplicate RPDs must be  $\leq 50$  for soil samples and  $\leq 30$  for aqueous samples. These criteria apply only if the sample and/or duplicate results are  $>5x$  the quantitation limit; if both results are  $\leq 5x$  the quantitation limit, the criterion will be doubled. Due to the uncertainty of available representative soil gas volume, field duplicates will not be collected for this matrix.

Precision in the laboratory is assessed through the calculation of RPD for duplicate samples. For organic soil, sediment and water analyses, laboratory precision will be assessed through the analysis of MS/MSD samples and field duplicates. For the inorganic analyses, laboratory precision will be assessed through the analysis of matrix duplicates and field duplicates. For soil gas analyses, laboratory precision will be assessed through the analysis of matrix duplicates. MS/MSD samples



or matrix duplicates will be performed at a frequency of one per twenty investigative samples per matrix per parameter. **Tables 3, 4, and 5** summarize the laboratory precision requirements.

**Completeness** is a measure of the amount of valid data obtained from a measurement system compared to the amount that was expected to be obtained under normal conditions. “Normal conditions” are defined as the conditions expected if the sampling plan was implemented as planned.

Field completeness is a measure of the amount of (1) valid measurements obtained from all the measurements taken in the project and (2) valid samples collected. The field completeness objective is greater than 90 percent.

Laboratory completeness is a measure of the amount of valid measurements obtained from all valid samples submitted to the laboratory. The laboratory completeness objective is greater than 95 percent.

**Representativeness** is a qualitative parameter that expresses the degree to which data accurately and precisely represent either a characteristic of a population, parameter variations at a sampling point, a process condition, or an environmental condition within a defined spatial and/or temporal boundary. To ensure representativeness, the sampling locations have been selected to provide coverage over a wide area and to highlight potential trends in the data. In addition, field duplicate samples will provide an additional measure of representativeness at a given location.

Representativeness is dependent upon the proper design of the sampling program and will be satisfied by ensuring that the Work Plans and QAPP are followed, and that proper sampling, sample handling, and sample preservation techniques are used.

Representativeness in the laboratory is ensured by using the proper analytical procedures, appropriate methods, and meeting sample holding times.

**Comparability** expresses the confidence with which one data set can be compared to another. Comparability is dependent upon the proper design of the sampling program and will be satisfied by ensuring that the Work Plans and QAPP are followed and that proper sampling techniques are used. Maximization of comparability with previous data sets is expected because the sampling design and field protocols are consistent with those previously used.

Comparability is dependent on the use of recognized EPA or equivalent analytical methods and the reporting of data in standardized units. Laboratory procedures are consistent with those used for previous sampling efforts.

#### **4.0 SAMPLING PLAN**

Environmental sampling may include soil, groundwater, soil vapor and sediment sampling. Additionally, wastes generated during remediation or development will be sampled and tested for characterization for disposal. Direct push drilling (GeoProbe<sup>®</sup>), sonic drilling, and/or test pit excavations will be the preferred methods for obtaining subsurface soil samples. However, other drilling methods including mud rotary and drive and wash may also be used if warranted by site conditions. Hand auger and/or hand-held sampling equipment will be the preferred method for collecting surficial and/or shallow soil



samples. Groundwater samples will be collected using bailers or peristaltic, bladder or submersible pumps. Soil vapor samples will be collected in SUMMA<sup>®</sup> canisters. Performing grab or composite sampling using appropriate hand-held sampling equipment will be the preferred method for waste characterization sampling.

#### **4.1. Utility Clearance**

New York State law requires that New York 811 be notified at least three working days prior to subsurface work is conducted to initiate the utility locating activities. Companies with subsurface utilities present will locate and mark out subsurface utility lines. However, New York 811 contractors will only locate utilities on public property and rights-of-way.

GZA will subcontract a subsurface utility locator to perform a geophysical survey of the warehouse's interior prior to commencement of the Remedial Investigation. Subsurface anomalies, including utilities, will be clearly marked with spray paint. A GZA representative will be on-site during the subsurface investigation to record the locations of subsurface anomalies with the subcontractor.

#### **4.2. Test Pit Soil Sampling**

Test pitting and/or excavating may be conducted during the RI, if necessary. Test pits will allow for visual characterization of subsurface soil conditions and the collection of grab soil samples. Prior to soil sample collection, headspace screening will be conducted to evaluate whether analysis of soil samples is warranted, and if so, which soils should be collected.

Prior to completing a test pit or excavation, underground utilities should be identified as discussed in **Section 4.1**. Should active, underground utilities be located in the vicinity of the intended excavation, hand or vacuum excavation methods should be employed, as appropriate, to confirm the location and depth prior to initiating the excavation.

The size and type of excavator used to complete the test pits will be selected based on the anticipated depth and overall size of the excavation required to meet the project objectives. At no time will field personnel enter a test pit/excavation unless it has been deemed safe to enter by an Excavation Competent person based on training and experience required by 29CFR 1926.652.

Grab soil/solid samples will be collected from the material or interval in question by retrieving a volume for analysis using a clean stainless steel, aluminum, or mild steel/ disposable scoop, trowel, spoon, or bucket auger and placing the soil in a cleaned stainless-steel pan for homogenization before inserting into the sample container. Samples collected for analysis for volatile organic compounds and total organic halides will not be homogenized. Samples for volatile organics analysis and total organic halides will be placed directly into the sample container.

Composite samples will be collected in the same manner described above, except that the discrete sample volumes will be placed in a clean stainless-steel pan and mixed to form the composite. Composite sampling will be performed for the following objectives:



- Waste characterization;
- Determination of the suitability of the soil for on-site re-use; and
- Evaluation of health and safety requirements for workers that will disturb the soil during subsequent construction work.

#### **4.3. Direct Push Drilling Soil Sampling**

This drilling method is typically used to collect shallow overburden soils and create boreholes for temporary monitoring well installations, or soil vapor sampling points. Sampling will be performed using four or five-foot-long acetate sleeves that will be advanced continuously to the desired depth below the surface. Soil samples from each sleeve will be screened using a photoionization detector (PID) to detect possible organic vapors. Organic vapor screening will be performed by slicing open the acetate sleeve, making a small slice in the soil column with a clean knife or sampling tool, inserting the PID probe and pushing the slice closed, and monitoring the soil for approximately 5 to 10 seconds. This procedure will be repeated at intervals along the soil column at the field geologist's discretion.

The samples will be examined for staining, discoloration, odors, and debris indicative of contamination (ash, coal fragments, wood chips, cinders, petroleum staining, etc.). Samples for laboratory analysis will be collected from the six-inch interval most likely to be contaminated, based on PID readings, discoloration, staining, and the field geologist's judgment (field conditions may require a section longer than six inches to make sufficient sample; however, this decision will be field based).

The samples will be collected by cutting the soil in two places with a decontaminated steel, stainless steel, or aluminum trowel, spoon, or knife and homogenized in a decontaminated stainless-steel pan before being placed in the sample bottles. Samples collected for analysis for VOCs and total organic halides will be placed directly into the sample containers without homogenization (as per EPA sampling method 5035A). Samplers will wear phthalate-free gloves such as nitrile (no latex will be used) and will avoid contact of the gloves with the sample. Clean metal/disposable instruments will be used to transfer samples. If there is insufficient soil volume in the spoon, then this will be made up by attempting a second direct push sleeve at the same depth, or by using the next immediate sample interval above or below this depth, if appropriate. If there is no recovery, then the sample depth will be skipped, and drilling will progress to the next depth interval.

Soil samples will be collected in laboratory provided containers and transported to a NYSDOH ELAP certified laboratory, under proper chain of custody procedures for analysis. Once the sample containers are filled, they will be immediately placed in the cooler with ice (in Ziploc plastic bags to prevent leaking) or synthetic ice packs to maintain the samples at below 4°C.

#### **4.4. Sonic Drill Rig Soil Sampling**

The sonic drilling system employs simultaneous high frequency vibration and low speed rotational motion along with down pressure to advance the cutting shoes of the drill string. This technique provides a continuous soil core and generates minimal cuttings. Due to the continuous sampling of the system,



accurate depictions of the stratigraphy and lithology of the overburden are obtained (minimal sloughing). Additionally, few cuttings are mobilized to the surface. Most of the formation material enters the core barrel, except small amounts, which are pushed into the borehole wall.

Drilling operations take place from the drill platform, which is about 4 feet above ground. Steel drill casing and core barrel are connected to the head from the work platform/support truck and are then hoisted to vertical in the derrick. Tool joints are connected and broken by a hydraulic vise/wrench that is in the base of the derrick. The sonic head is able to pivot 90 degrees to facilitate connection of the drilling rods.

The sonic drilling system uses an override core barrel system and can create a 4- or 6-inch diameter borehole. This is followed by the override casing drilled to the same depth as the core barrel cutting shoe. The core barrel is then removed, and cores are extruded into plastic sleeves. The outer casing prevents cross contamination and formation mixing and allows for a very controlled placement of wells.

GZA proposes to use a track-mounted sonic drill rig collecting soil continuously from either five-foot long or 10-foot-long cores. Samples will be extruded from the core barrel into polyethylene sleeves. Once the plastic sleeve is cut open, soil will be screened using a PID to detect possible organic vapors. Organic vapor screening will be performed by making a small slice in the soil column with a clean knife or sampling tool, inserting the PID probe and pushing the slice closed, and monitoring the soil for approximately 5 to 10 seconds. This procedure will be repeated at intervals along the soil column at the field geologist's discretion.

The samples will be examined for staining, discoloration, odors, and debris indicative of contamination (ash, coal fragments, wood chips, cinders, petroleum staining, etc.) Samples for laboratory analysis will be collected from the six-inch interval most likely to be contaminated, based on PID readings, discoloration, staining, and the field geologist's judgment (field conditions may require a section longer than six inches to make sufficient sample; however, this decision will be field based).

The samples will be collected by cutting the soil in two places with a decontaminated steel, stainless steel, or aluminum trowel, spoon, or knife and homogenized in a decontaminated stainless-steel pan before being placed in the sample bottles. Samples collected for analysis for VOCs and total organic halides will be placed directly into the sample containers without homogenization (as per EPA sampling method 5035A). Samplers will wear phthalate-free gloves such as nitrile (no latex will be used) and will avoid contact of the gloves with the sample. Clean metal/disposable instruments will be used to transfer samples. If there is insufficient soil volume in the spoon, then this will be made up by attempting a second direct push sleeve at the same depth, or by using the next immediate sample interval above or below this depth, if appropriate. If there is no recovery, then the sample depth will be skipped, and drilling will progress to the next depth interval.

Soil samples will be collected in laboratory provided containers and transported to a NYSDOH ELAP certified laboratory, under proper chain of custody procedures for analysis. Once the sample containers



are filled, they will be immediately placed in the cooler with ice (in Ziploc plastic bags to prevent leaking) or synthetic ice packs to maintain the samples at below 4°C.

#### **4.5. Temporary Well Point Installation and Sampling**

If proposed for site characterization, temporary well points will be immediately installed in drilled soil direct-push soil borings by placing a one-inch diameter PVC screen and riser pipe directly into the borehole. No additional materials will be placed around the annular space. The screen will be set to straddle the water table. Temporary wells will not be purged prior to sample collection. Depth to water will be measured in each well point to provide data to approximate groundwater flow direction.

Groundwater samples will be collected from the temporary well point using a dedicated microbailer. The samples will be collected in sample bottles (pre-preserved, if appropriate), placed in iced coolers, and removed from light immediately after collection. In addition, all sample bottles must be filled to the top so that no aeration of the samples occurs during transport. All bottles will be filled to avoid cascading and aeration of the samples, the goal being to minimize any precipitation of colloidal matter. Samples for dissolved metals will be collected in unpreserved containers and will be filtered and preserved at the laboratory within 24 hours of sampling. Samples will be transported to a NYSDOH ELAP certified laboratory under proper chain of custody procedures for analysis.

Screen and riser pipes will be removed from the borehole and the borehole will be backfilled.

#### **4.6. Permanent Well Installation and Sampling**

Groundwater sampling of permanent monitoring wells is described according to the following distinct phases of this work: well installation/construction, well development, well purging, and well sampling.

##### *4.6.1. Well Installation/Construction*

To collect representative groundwater samples, soil borings drilled with the direct push or sonic drilling method will be converted into permanent two-inch diameter monitoring wells. Groundwater monitoring wells will be constructed of threaded two-inch diameter PVC well casing and 20-slot well screen (to investigate the potential of floating product). The 10-foot screen will be set seven feet below the measured water table. Clean silica sand, Morie No. 1 or equivalent, will be placed in the annular space around the well to a minimum of one foot above the top of the well screen, two feet being optimal. Solid PVC riser, attached to the well screen, will extend to grade or above if the well is a stick-up. For a two-inch diameter well, the annular space for the filter pack should be 4 inches thick meaning a minimum six-inch diameter soil boring. In general, direct push borings will be enlarged by running hollow stem augers after soil sampling is complete and the permanent wells will be installed within the augered borehole. A two-foot-thick bentonite seal will then be placed above the sand pack and moistened with potable water for a minimum of 15 minutes before backfilling the remaining space with a cement-bentonite grout. If warranted by depth, filling will be completed using a tremie pipe placed below the



surface of the grout. A stick-up or flush-mount protective casing with a locking well cap will then be installed, and a measuring point marked on each PVC well riser. Well construction diagrams will be prepared for each well.

#### *4.6.2. Well Development*

Following installation, the groundwater monitoring wells will be developed using a submersible pump (or equivalent) until the water is reasonably free of turbidity and field readings (pH, conductivity, temperature, and dissolved oxygen) sufficiently stabilize. Fifty nephelometric turbidity units (NTUs) or less will be the turbidity goal but not an absolute value. The wells will be developed aggressively to remove fines from the formation and sand pack. The wells will be allowed to equilibrate for seven days prior to sampling. The volume of water removed, the well development time, and field instrument readings will be recorded in the logbook.

#### *4.6.3. Well Purging*

The objective is to purge monitoring wells until turbidity stabilizes to a level as low as possible and this parameter will be given the greatest weight in determining when groundwater sampling may begin. With this objective in mind, a low-flow pump will be used to avoid entrainment of particulates within the well or from the formation. Groundwater from each well will be purged until parameters have stabilized. A turbidity level of fifty NTUs or less is the well purging goal, but not an absolute value before sampling. Other field parameters including temperature, conductivity, pH, and dissolved oxygen (DO) will also be monitored. As practical, all field measurements will be taken from the flow cell and will be recorded during and after purging, and before sampling. Field parameters should generally be within  $\pm 10$  percent for three consecutive readings, one minute apart, prior to sampling.

Upon opening each monitoring well and point, the concentration of VOCs in the headspace will be measured using a PID and water level measurements will be recorded using an electronic interface probe. The depth to product (if present), depth to water, and the total depth will be measured from the top of the marked PVC casings. Water level and free product measurements will first be made and the volume of water in the well determined. The volume of water in the well will be calculated so that the number of well volumes purged and an estimate of the time required to purge the well can be made. Before sampling, the wells will be purged utilizing a low-flow submersible stainlesssteel pump using high-density polyethylene (HDPE) tubing connected to a flow cell. Very low purging rates are proposed, on the order of 100 ml/minute to 500 ml/minute, to minimize suspension of particulate matter in the well.

Purging will be done with the pump intake placed at the midpoint of the well screen or the midpoint of the water column (to be determined based on the depth and length of the screen interval) to ensure that all stagnant water in the well is removed, while not stirring up sediment that may have accumulated on the bottom of the well. Equipment will be lowered into the well very carefully to prevent suspension of bottom sediment and subsequent entrainment onto sampling equipment. Surging will be avoided. Tubing will be replaced between each well. Pumps must be carefully cleaned between wells according



to the procedures specified in **Section 4.15**, below. It is anticipated that no more than three well volumes will be purged in order for turbidity to reach a minimum and the other parameters to stabilize. Ideally, pumping rates will be at a rate so that no drawdown of the groundwater level occurs (i.e., pumping rate is less than recharge rate). During purging, the sampler will actively monitor and track the volume of water purged and the field parameter readings. Data will be recorded in the field logbook. For example, the sampler will record the running total volume purged from each well and note the readings for the corresponding field parameters.

#### 4.6.4. *Well Sampling*

Once groundwater conditions have stabilized and groundwater levels have recovered, samples will be collected from the flow cell outlet (connected to the low-flow peristaltic pump) vis United States Environmental Protection Agency (USEPA) low-flow sampling methods. All non-disposable/non-dedicated (re-usable) sampling equipment will be cleaned according to the procedures specified in **Section 4.15**.

Sampling will be performed with the pump intake at the same location used for purging. Pumping rates for withdrawing the samples will be similar to those followed for well purging.

The samples will be collected in sample bottles (pre-preserved, if appropriate), placed in iced coolers, and removed from light immediately after collection. In addition, all sample bottles must be filled to the top so that no aeration of the samples occurs during transport. All bottles will be filled to avoid cascading and aeration of the samples, the goal being to minimize any precipitation of colloidal matter. Samples will be transported to a NYSDOH ELAP certified laboratory under proper chain of custody procedures for analysis. Samples for dissolved metals will be collected in unpreserved containers and will be filtered and preserved at the laboratory within 24 hours of sampling.

#### 4.7. **Borehole Abandonment**

Soils extracted during the advancement of the borings will be used to backfill the borings, provided that the borings are not to be used for installation of permanent monitoring wells. However, soils that exhibit “gross” contamination, as evidenced by staining or free-phase product, or any visual, olfactory, or PID readings greater than 50 ppm above background, will be managed in accordance with **Section 9**. In this event, bentonite chips or pellets to within 0.5 feet below ground surface. The ground surface will be restored to a similar condition as the surrounding grade (e.g., topsoil, asphalt, or concrete).

#### 4.8. **Monitoring Well Abandonment**

There may be occasions when monitoring wells will require abandonment. For temporary monitoring wells, the approach will be to pull the PVC well materials from the borehole and backfill the remaining open portion of the borehole with cement/bentonite grout to approximately 0.5 feet below the ground surface. The ground surface will be restored to a similar condition as the surrounding grade (e.g., topsoil, asphalt, or concrete). For permanent overburden and bedrock monitoring wells, depending on the site-



specific subsurface geologic conditions and nature of contamination, the abandonment approach will be in accordance with NYSDEC Policy CP-43 – Groundwater Monitoring Well Decommissioning Policy.

#### **4.9. Soil Reuse Sampling and Worker Health & Safety Sampling**

Soil reuse sampling may be performed to determine whether the soil can be reused elsewhere on the Site, or to determine whether contaminant levels in the soil would warrant OSHA 40-hour HAZWOPER training for workers disturbing the soil during post-remediation construction activities. This sampling would consist of compositing discrete soil samples from borings advanced by direct push (see **Section 4.3**), or during test pits following the procedures outlined in **Section 4.2**.

#### **4.10. Waste Characterization Sampling**

Waste classification sampling may be conducted to characterize soil, liquids, and/or groundwater for the purpose of proper off-site waste disposal. Specific methods for sampling liquid and solid wastes are briefly discussed below.

##### *4.10.1. Solid Waste*

Solid sampling methods include utilizing dedicated stainless steel or HDPE scoops/shovels, triers, and thieves. Scoops and shovels are the preferred method for sampling solids from piles or containers. Stainless steel triers are similar to a scoop and are used for the collection of a core sample of a solid material.

##### *4.10.2. Liquid Waste*

Liquid sampling methods include utilizing dedicated dippers, glass tube samplers, pump, and tubing, kemmerer bottles, and Bacon Bomb samplers. Dippers are used to collect samples from the surface of the liquid and are appropriate for wastes that are homogeneous. Glass tube samplers consist of glass tubes of varying length and diameter used to collect a full-depth liquid sample from a drum or similar container. Pump and tubing (e.g., bladder pump or peristaltic pump) are used to collect liquid samples from a depth (up to approximately 20 feet below grade), and are typically relied upon for sampling subsurface structures, such as underground storage tanks. To minimize the loss of volatile organic components in the liquid, the lowest achievable flow rate is utilized for collecting the sample by this method. Kemmerer bottles and Bacon Bomb samplers are discrete-depth samplers. These samplers are lowered into the liquid and opened to collect a sample at a desired depth.



#### 4.10.3. *Grab versus Composite Sampling*

Waste characterization of a liquid or a solid can involve grab or composite sampling depending upon the homogeneity and the volume of the waste. Grab sampling consists of collecting a discrete sample or samples of a material and submitting each sample for separate analysis. Grab sampling is appropriate for characterizing small quantities of waste as well as waste streams of varying content (e.g., drums of different contents). Composite sampling consists of taking discrete grab samples of a material and combining them into a smaller number of samples for analysis. Composite sampling generally is appropriate for large volumes of a homogenous waste material, such as a pile of soil or construction debris. The specific number of composite and grab samples will depend upon the size and nature of the waste pile (i.e., cubic yards) as well as the analysis required for characterization of the waste.

#### 4.11. **Sub-Slab Soil Gas Sampling**

A direct-push drill rig will be utilized to drive rods with a decontaminated stainlesssteel probe to the desired sample depth, which will be approximately 6-inches below the existing slab. The soil gas probe will then be purged at a flow rate not greater than 0.2 liters/minute to evacuate one to three volumes using a photoionization detector (PID) with an integrated vacuum pump (MiniRAE 3000 or appropriate alternate). Peak and stabilized PID readings will be recorded prior to sample collection. Following the stabilization period, each probe will be connected to an evacuated laboratory-supplied 6-liter SUMMA<sup>®</sup> canister. SUMMA<sup>®</sup> canisters are passivated stainless steel vessels that have been cleaned and certified contaminant-free by the contract laborer. After connecting the SUMMA<sup>®</sup> canister to the soil gas probe, a regulator valve on the canister will be opened and the vacuum will slowly draw the sample into the canister over a period of 20 minutes. The samples will not be drawn at greater than 0.2 liters per minute. Quantitation limits for all analytes range between 1.6 ppbV and 4.0 ppbV, depending on the compound. After collecting the soil gas sample, the valve will be closed and disconnected from the soil gas probe. The soil-gas samples will be transported to a NYSDOH ELAP certified laboratory for TO-15 Select Ion Monitoring (SIM) analysis.

Prior to sample collection, helium will be used as a tracer gas to evaluate the potential for infiltration of outdoor air into the sample. Subsequent rounds of soil gas sampling would include the use of tracer gas only if the initial round of sampling indicates that outdoor air has the potential to influence soil gas sample results.

When soil vapor samples are collected, the following conditions that may influence the interpretation of results will be documented:

- Identification of any nearby commercial or industrial buildings that likely uses volatile organic compounds;
- A sketch of the Site, showing streets, neighboring commercial or industrial facilities (with estimated distances to the Site, and soil-gas sampling locations);



- Weather conditions (e.g., precipitation, outdoor temperature, barometric pressure, wind speed and direction); and
- Any pertinent observations, such as odors or readings from field instrumentation.

#### **4.12. Ambient Air Sampling**

Ambient air samples will be collected with an evacuated laboratory-supplied 6-liter SUMMA<sup>®</sup> canister. SUMMA<sup>®</sup> canisters are passivated stainless steel vessels that have been cleaned and certified contaminant-free by the contract laborer. The sample will be set at an elevation of approximately 4 to 5 feet above grade, to represent breathing zone air quality conditions. The samples will not be drawn at greater than 0.2 liters per minute. After collecting the ambient air sample, the valve will be closed, and the canister will be labeled with the necessary information. The soil-gas samples will be transported to a NYSDOH ELAP certified laboratory for TO-15 SIM analysis.

When ambient air samples are collected, the following conditions that may influence the interpretation of results will be documented:

- Identification of any nearby commercial or industrial buildings that likely uses volatile organic compounds;
- A sketch of the Site, showing streets, neighboring commercial or industrial facilities (with estimated distances to the Site, and soil-gas sampling locations);
- Weather conditions (e.g., precipitation, outdoor temperature, barometric pressure, wind speed and direction); and
- Any pertinent observations, such as odors or readings from field instrumentation.

#### **4.13. QC Sample Collection**

QC samples will include equipment blanks, trip blanks, field duplicates and MS/MSDs.

**Equipment blanks** will consist of distilled water and will be used to check for potential contamination of the equipment that may cause sample contamination. Equipment blanks will be collected by routing the distilled water through the sampling equipment prior to sample collection. Equipment blanks will be submitted to the laboratory at a frequency of one per day per matrix per type of equipment being used per parameter. Equipment blanks will not be collected with samples for analysis for TCLP parameters, parameters associated with wastewater samples, samples collected for disposal purposes, soil gas samples, chip samples, wipe samples and samples collected for grain size analyses.

**Trip blanks** will consist of distilled water (supplied by the laboratory) and will be used to assess the potential for volatile organic compound contamination of groundwater samples due to contaminant



migration during sample shipment and storage. Trip blanks will be transported to the site unopened, stored with the investigative samples, and kept closed until analyzed by the laboratory. Trip blanks will be submitted to the laboratory at a frequency of one per cooler that contains groundwater samples for analysis for VOCs.

**Field duplicates** are an additional aliquot of the same sample submitted for the same parameters as the original sample. Field duplicates will be used to assess the sampling and analytical reproducibility. Field duplicates will be collected by alternately filling sample bottles from the source being sampled. Field duplicates will be submitted at a frequency of one per 20 samples for all matrices and all parameters with the exception of TCLP parameters, parameters associated with wastewater samples, samples collected for waste characterization purposes, chip samples, wipe samples and samples collected for grain size analyses. Soil gas field duplicates will be obtained by using a tubing a T-splitter.

**MSs and MSDs** are two additional aliquots of the same sample submitted for the same parameters as the original sample. However, the additional aliquots are spiked with the compounds of concern. Matrix spikes provide information about the effect of the sample matrix on the measurement methodology. MS/MSDs will be submitted at a frequency of one per 20 investigative samples per matrix for organic parameters for soil, sediment, and groundwater. MSs will be submitted at a frequency of one per 20 investigative samples per matrix for inorganic parameters.

#### **4.14. Sample Preservation and Containerization**

The analytical laboratory will supply the sample containers for the chemical samples. These containers will be cleaned by the manufacturer to meet or exceed all analyte specifications established in the latest U.S. EPA's *Specifications and Guidance for Contaminant-Free Sample Containers*. Certificates of analysis are provided with each bottle lot and maintained on file to document conformance to EPA specifications. The containers will be pre-preserved, where appropriate (see **Table 2**).

**Table 6** presents a summary of QC sample preservation and container requirements.

#### **4.15. Equipment Decontamination**

##### *4.15.1. Reuseable Sampling Equipment*

Stainless steel and aluminum sampling equipment shall be cleaned between each use in the following manner:

- Wash/scrub with a biodegradable degreaser ("Simple Green") if there is oily residue on equipment surface
- Tap water rinse
- Wash and scrub with Alconox and water mixture



- Tap water rinse
- Distilled/deionized water rinse
- Air dry

Cleaned equipment shall be wrapped in aluminum foil if not used immediately after air-drying.

Groundwater sampling pumps will be cleaned by washing and scrubbing with an Alconox/water mixture, rinsing with tap water, and irrigating with distilled/deionized water.

#### *4.15.2. Disposable Sampling Equipment*

Disposable sampling equipment includes disposable gloves, bailers, string, tubing associated with groundwater sampling/purging pumps, or polyethylene sampling spatulas. Disposable sampling equipment will be used only once, and following its use, will be properly drummed or bagged for off-site disposal (see Section 4.6, below).

#### *4.15.3. Heavy Equipment*

Certain heavy equipment such as drilling augers may be used to obtain samples. Such equipment will be subject to high-pressure hot water or steam cleaning between uses. A member of the sampling team will visually inspect the equipment to check that visible contamination has been removed by similar procedure listed above prior to sampling and between drilling locations. The drilling casing and down-hole equipment will be cleaned prior to arrival on Site and between soil test borings. Drilling equipment decontamination will be performed on-site in temporary, bermed decontamination pads.

### **4.16. Investigation Derived Waste**

Field investigation derived waste (IDW) generated during drilling will be collected in properly labeled USDOT approved storage containers (55-gallon drums) and grouped by environmental matrix (soil, water, PPE/plastic, construction debris).

Drums will be tracked and given unique identification codes based on the following:

- A prefix indicating the site where the drum was generated and the drum's contents: i.e., S – Soil, W – Water, and P – PPE/Plastic.
- Following the prefix and a hyphen will be the drum's chronological number of generation. For example, drum S-1 will be the first drum filled with soil for the project; while drum W-8 will be the eighth drum generated and contains water.
- As drums are generated, their identification code, date of generation, contents, source (i.e., drill cuttings from location x, purge water from well y), and date sampled will be entered on a tracking table.



- For example, the full nomenclature of S-2/SB-2 110724 would be the second drum produced during the program with its contents from Soil Boring No. 2 generated on November 7, 2024.

The drums will be centrally stored on-Site. Subsequently, the waste soils and/or water will be characterized with laboratory analyses for proper disposal. Waste transportation and disposal of all contaminated wastes will be managed by GZA and the subcontractor. GZA anticipates that drummed IDW will be disposed of off the Site to a permitted disposal facility. GZA will retain copies of each waste disposal manifest for documentation.

## 5.0 DOCUMENTATION AND CHAIN-OF-CUSTODY

### 5.1. Sample Collection Documentation

#### 5.1.1. *Field Notes*

Field team members will keep a field logbook to document all field activities. Field logbooks will provide the means of recording the chronology of data collection activities performed during the remediation. As such, entries will be described in as much detail as possible so that a particular situation could be reconstructed without reliance on memory.

The logbook will be a bound notebook with water-resistant pages. Logbook entries will be dated, legible, and contain accurate and inclusive documentation of the activity. The title page of each logbook should contain the following:

- Person to whom the logbook is assigned
- The logbook number
- Project name and number
- Site name and location
- Project start date
- End date

Entries into the logbook will contain a variety of information. At the beginning of each entry, the date, start time, weather, and names of sampling team members present will be entered. Each page of the logbook will be signed and dated by the person making the entry. All entries will be made in permanent ink, signed, and dated and no erasures or obliterations will be made. If an incorrect entry is made, the information will be crossed out with a single strike mark that is signed and dated by the sampler. The correction shall be written adjacent to the error.

Field activities will be fully documented. Information included in the logbook should include, but may not be limited to, the following:

- Chronology of activities, including entry and exit times



- Names of all people involved in sampling activities
- Level of personal protection used
- Any changes made to planned protocol
- Names of visitors to the site during sampling and reason for their visit
- Sample location and identification
- Changes in weather conditions
- Dates (month/day/year) and times (military) of sample collection
- Measurement equipment identification (model/manufacturer) and calibration information
- Sample collection methods and equipment
- Sample depths
- Whether grab or composite sample collected
- How sample composited, if applicable
- Sample description (color, odor, texture, etc.)
- Sample identification code
- Tests or analyses to be performed
- Sample preservation and storage conditions
- Equipment decontamination procedures
- QC sample collection
- Unusual observations
- Record of photographs
- Sketches or diagrams
- Signature of person recording the information

Field logbooks will be reviewed on a daily basis by the Field Team Leader. Logbooks will be supported by standardized forms.

#### *5.1.2. Chain-of-Custody Records*

On a regular basis (daily or on such a basis that all holding times will be met), samples will be transferred to the custody of the respective laboratories, via third-party commercial carriers or via laboratory courier service.

Chain-of-custody records are initiated by the samplers in the field. The field portion of the custody documentation should include: (1) the project name; (2) signatures of samplers; (3) the sample number, date and time of collection, and whether the sample is grab or composite; (4) signatures of individuals involved in sampling; and (5) if applicable, air bill or other shipping number. Sample receipt and log-in procedures at the laboratory are described in **Section 5.2.2** of this Plan.

#### *5.1.3. Sample Labeling*



Immediately upon collection, each sample will be labeled with a pre-printed adhesive label, which includes the date and time of collection, sampler's initials, tests to be performed, preservative (if applicable), and a unique identifier.

A. The following identification scheme will be used:

**Soil borings** will be assigned sequential numbers. For soil samples collected from soil borings, sample numbers will be assigned as follows:

SB-#(sampling interval)

Example:

Sample SB-4(4-6') = soil sample collected from soil boring #4 at a depth of 5-6' below grade.

**Groundwater wells** will be assigned sequential numbers. Groundwater samples will be identified by the well that the sample was collected from.

Examples:

MW-01 = groundwater sample collected from permanent well point #1

**Sub-slab soil vapor/soil vapor/ambient air** will be assigned numbers coordinating with the adjacent soil boring or a sequential number due to sample names being identical to a previous Site sampling event. Vapor samples will be identified by the soil gas point that the sample was collected from.

Examples:

SV-01 = Soil vapor sample collected from the soil gas point

OA-01 = Outdoor ambient air sample

Duplicate samples will be labeled as blind duplicates by giving them sample numbers indistinguishable from a normal sample.

Blanks should be spelled out and identify the associated matrix, e.g., Equipment Blank, Soil

MS/MSDs will be noted in the Comments column of the COC.

B. The analysis required will be indicated for each sample.

Example: SVOC

C. Date taken will be the date the sample was collected, using the format: MM-DD-YY.

Example: 11-07-24



D. Time will be the time the sample was collected, using military time.

Example: 14:30

E. The sampler’s name will be printed in the “Sampled By” section.

F. Other information relevant to the sample.

Example: Equipment Blank

An example sample label is presented below:

Job No: XXXXXXXXX  
Client: Name  
Sample No: SB-01(5-5.5’)  
Matrix: Soil  
Date Taken: 11/07/24  
Time Taken: 14:30  
Sampler: M. Frey  
Analysis: SVOC

Job No. \_\_\_\_\_  
Client: \_\_\_\_\_  
Sample Number \_\_\_\_\_  
Date \_\_\_\_\_ Sample Time \_\_\_\_\_  
Sample Matrix \_\_\_\_\_  
Grab or Composite (explain) \_\_\_\_\_  
Preservatives \_\_\_\_\_  
Analyses \_\_\_\_\_  
Sampler Signature \_\_\_\_\_

This sample label contains the authoritative information for the sample. Inconsistencies with other documents will be settled in favor of the vial or container label unless otherwise corrected in writing from the field personnel collecting samples or the QEP.

**5.2. Sample Custody**

Custody is one of several factors that are necessary for the admissibility of environmental data as evidence in a court of law. Custody procedures help to satisfy the two major requirements for admissibility: relevance and authenticity. Sample custody is addressed in three parts: field sample collection, laboratory analysis, and final evidence files.



A sample or evidence file is considered to be under a person's custody if

- the item is in the actual possession of a person
- the item is in the view of the person after being in actual possession of the person
- the item was in the actual physical possession of the person but is locked up to prevent tampering
- the item is in a designated and identified secure area

#### 5.2.1. *Field Custody Procedures*

Samples will be collected following the sampling procedures documented in **Section 4.0** of this Plan. Documentation of sample collection is described in **Section 5.1** of this Plan. Sample chain-of-custody and packaging procedures are summarized below. These procedures are intended to ensure that the samples will arrive at the laboratory with the chain-of-custody intact.

- The field sampler is personally responsible for the care and custody of the samples until they are transferred or dispatched properly. Field procedures have been designed such that as few people as possible will handle the samples.
- All bottles will be identified by the use of sample labels with sample numbers, sampling locations, date/time of collection, and type of analysis.
- Sample labels will be completed for each sample using waterproof ink unless prohibited by weather conditions. For example, a logbook notation would explain that a pencil was used to fill out the sample label because the pen would not function in wet weather.
- Samples will be accompanied by a properly completed chain-of-custody form. The sample numbers and locations will be listed on the chain-of-custody form. When transferring the possession of samples, the individuals relinquishing and receiving will sign, date, and note the time on the record. This record documents the transfer of custody of samples from the sampler to another person, to a mobile laboratory, to the permanent laboratory, or to/from a secure storage location.
- All shipments will be accompanied by the chain-of-custody record identifying the contents. The original record will accompany the shipment, and copies will be retained by the sampler and placed in the project files.
- Samples will be properly packaged for shipment and dispatched to the appropriate laboratory for analysis, with a separate signed custody record enclosed in and secured to the inside top of each sample box or cooler. If third party commercial carriers are used for transfer to the laboratory, shipping containers will be secured with strapping tape and custody seals prior to shipment. The custody seals will be attached to the front right and back left of the cooler and covered with clear



plastic tape after being signed by field personnel. The cooler will be strapped shut with strapping tape in at least two locations.

- If the samples are sent by third party commercial carrier, the air bill will be used. Air bills will be retained as part of the permanent documentation. Commercial carriers are not required to sign off on the custody forms since the custody forms will be sealed inside the sample cooler and the custody seals will remain intact.
- Samples remain in the custody of the sampler until transfer of custody is completed. This consists of delivery of samples to the laboratory courier or sample custodian, and signature of the laboratory courier or sample custodian on chain-of-custody document as receiving the samples and signature of sampler as relinquishing samples.

### 5.2.2. *Laboratory Custody Procedures*

Samples will be received and logged in by a designated sample custodian or his/her designee. Upon sample receipt, the sample custodian will

- Examine the shipping containers to verify that the custody tape is intact,
- Examine all sample containers for damage,
- Determine if the temperature required for the requested testing program has been maintained during shipment and document the temperature on the chain-of-custody records,
- Compare samples received against those listed on the chain-of-custody,
- Verify that sample holding times have not been exceeded,
- Examine all shipping records for accuracy and completeness,
- Determine sample pH (if applicable) and record on chain-of-custody forms,
- Sign and date the chain-of-custody immediately (if shipment is accepted) and attach the air bill,
- Note any problems associated with the coolers and/or samples on the cooler receipt form and notify the Laboratory Project Manager, who will be responsible for contacting the QEP,
- Attach laboratory sample container labels with unique laboratory identification and test, and
- Place the samples in the proper laboratory storage.

Following receipt, samples will be logged in according to the following procedure:

- The samples will be entered into the laboratory tracking system. At a minimum, the following information will be entered: project name or identification, unique sample numbers (both client and internal laboratory), type of sample, required tests, date and time of laboratory receipt of samples, and field ID provided by field personnel.
- The Laboratory Project Manager will be notified of sample arrival.
- The completed chain-of-custody, air bills, and any additional documentation will be placed in the final evidence file.



## 6.0 CALIBRATION PROCEDURES

### 6.1. Field Instruments

Field instruments will be calibrated according to the manufacturer's specifications. Calibration procedures performed will be documented in the field logbook and will include the date/time of calibration, name of person performing the calibration, reference standard used, temperature at which the readings were taken, and the readings.

### 6.2. Laboratory Instruments

Calibration procedures for a specific laboratory instrument will consist of initial calibrations, initial calibration verifications, and/or continuing calibration verification. Detailed descriptions of the calibration procedures for a specific laboratory instrument are included in the laboratory's standard operating procedures (SOPs), which describe the calibration procedures, their frequency, acceptance criteria, and the conditions that will require recalibration. These procedures are as required in the respective analytical methodologies (summarized in **Table 2** of this Plan). The initial calibration associated with all analyses must contain a low-level calibration standard which is less than or equal to the quantitation limit.

## 7.0 SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

No field analyses are anticipated for this program. If site conditions were to warrant field analysis, the responsible contractor will prepare an addendum establishing the field analytical procedures. Analyses of all samples will be performed by NYSDOH ELAP certified laboratories. **Table 2** summarizes the analytical methods to be used during the remediation.

## 8.0 DATA REDUCTION, VALIDATION, AND REPORTING

Appropriate QC measures will be used to ensure the generation of reliable data from sampling and analysis activities. Proper collection and organization of accurate information followed by clear and concise reporting of the data is a primary goal in this project. Complete data packages suitable for data validation will be provided by the analytical laboratory.

For all analyses, the laboratory will report results that are below the laboratory's reporting limit; these results will be qualified as estimated (J) by the laboratory. The laboratory may be required to report tentatively identified compounds (TICs) for the VOC and SVOC analyses; this will be requested by the sampler on an as-needed basis. A Data Usability Summary Report (DUSR) will be prepared and will be included in the Remedial Investigation Report (RIR). A DUSR preparer for the Remedial Investigation has not been employed.



## **8.1. Data Evaluation/Validation**

### *8.1.1. Field Data Evaluation*

Measurements and sample collection information will be transcribed directly into the field logbook or onto standardized forms. If errors are made, results will be legibly crossed out, initialed, and dated by the person recording the data, and corrected in a space adjacent to the original (erroneous) entry. Daily reviews of the field records by the Field Team Leader will ensure that:

- Logbooks and standardized forms have been filled out completely and that the information recorded accurately reflects the activities that were performed.
- Records are legible and in accordance with good record keeping procedures, i.e., entries are signed and dated, data are not obliterated, changes are initialed, dated, and explained.
- Sample collection, handling, preservation, and storage procedures were conducted in accordance with the protocols described in the Plan, and that any deviations were documented and approved by the appropriate personnel.

### *8.1.2. Data Usability*

A Data Usability Summary Report (DUSR) will be prepared in accordance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

The data usability evaluation will include reviewing the quality assurance/quality control (QA/QC) information including: (1) chain-of-custody; (2) the summary QA/QC information provided by the laboratory; and (3) the project narrative.

For each data package the following questions will be evaluated:

- Is the data package complete as defined under the requirements for the NYSDEC ASP Category B, USEPA CLP deliverables or other standards/guidance?
- Have all holding times and preservation requirements been met?
- Do the quality control (QC) data fall within the laboratory and project established limits and specifications?

## **8.2. Identification and Treatment of Outliers**

Any data point which deviates markedly from others in its set of measurements will be investigated; however, the suspected outlier will be recorded and retained in the data set. One or both of the following tests will be used to identify outliers.



Dixon's test for extreme observations is an easily computed procedure for determining whether a single very large or very small value is consistent with the remaining data. The one-tailed t-test for difference may also be used in this case. It should be noted that these tests are designed for testing a single value. If more than one outlier is suspected in the same data set, other statistical sources may be consulted and the most appropriate test of hypothesis will be used and documented, if warranted.

Since an outlier may result from unique circumstances at the time of sample analysis or data collection, those persons involved in the analysis and data reduction will be consulted. This may provide an experimental reason for the outlier. Further statistical analysis may be performed with and without the outlier to determine its effect on the conclusions. In many cases, two data sets may be reported, one including, and one excluding the outlier.

In summary, every effort will be made to include the outlying values in the reported data. If the value is rejected, it will be identified as an outlier, reported with its data set and its omission noted.

## 9.0 INTERNAL QUALITY CONTROL

The subcontracting laboratories' Quality Assurance Project Plans will identify the supplemental internal analytical quality control procedures to be used. At a minimum, this will include:

- Matrix spike and/or matrix spike duplicate samples
- Matrix duplicate analyses
- Laboratory control samples
- Instrument calibrations
- Instrument tunes for SW-846 8260B and 8270C and EPA Method TO-15 analyses
- Method and/or instrument blanks
- Surrogate spikes for organic analyses
- Internal standard spikes for SW-846 8260B and 8270C and EPA Method TO-15 analyses
- Quantitation limit determination and confirmation by analysis of low-level calibration standard

As outline on **Table 5** and summarized in **Section 4.13**, field quality control samples will include:

- Equipment blanks
- Field duplicate samples
- Trip blanks
- MS/MSDs

## 10.0 CORRECTIVE ACTION

The entire sampling program will be under the direction of the QEP. The emphasis in this program is on preventing problems by identifying potential errors, discrepancies, and gaps in the data-collection-laboratory-analysis-interpretation process. Any problems identified will be promptly resolved. Likewise,



follow-up corrective action is always an option in the event that preventative corrective actions are not totally effective.

The acceptance limits for the sampling and analyses to be conducted in this program will be those stated in the method or defined by other means in the Plan. Corrective actions are likely to be immediate in nature and most often will be implemented by the contracted laboratory analyst or the Program Manager. The corrective action will usually involve recalculation, reanalysis, or resampling.

### **10.1. Immediate Corrective Action**

Corrective action in the field may be needed when the sample network is changed (i.e., more/less samples, sampling locations other than those specified in the Plan), or when sampling procedures and/or field analytical procedures require modification, etc. due to unexpected conditions. The field team may identify the need for corrective action. The Field Team Leader will approve the corrective action and notify the Program Manager. The Program Manager will approve the corrective measure. The Field Team Leader will ensure that the corrective measure is implemented by the field team.

Corrective actions will be implemented and documented in the field logbook. Documentation will include:

- A description of the circumstances that initiated the corrective action,
- The action taken in response,
- The final resolution, and
- Any necessary approvals

No staff member will initiate corrective action without prior communication of findings through the proper channels.

Corrective action in the laboratory may occur prior to, during, and after initial analyses. A number of conditions such as broken sample containers, omissions or discrepancies with chain-of-custody documentation, low/high pH readings, and potentially high concentration samples may be identified during sample log-in or just prior to analysis. Following consultation with laboratory analysts and Laboratory Section Leaders, it may be necessary for the Laboratory QA Manager to approve the implementation of corrective action. The laboratory SOPs specify some conditions during or after analysis that may automatically trigger corrective action or optional procedures. These conditions may include dilution of samples, additional sample extract cleanup, automatic reinjection/reanalysis when certain QC criteria are not met, loss of sample through breakage or spillage, etc.

The analyst may identify the need for corrective action. The Laboratory Section Leader, in consultation with the staff, will approve the required corrective action to be implemented by the laboratory staff. The Laboratory QA Manager will ensure implementation and documentation of the corrective action. If the nonconformance causes project objectives not to be achieved, the QEP will be notified. The QEP will



notify the Program Manager, who in turn will contact all levels of project management for concurrence with the proposed corrective action.

These corrective actions are performed prior to release of the data from the laboratory. The corrective action will be documented in both the laboratory's corrective action files, and the narrative data report sent from the laboratory to the Program Manager. If the corrective action does not rectify the situation, the laboratory will contact the Program Manager, who will determine the action to be taken and inform the appropriate personnel.

If potential problems are not solved as an immediate corrective action, the contractor will apply formalized long-term corrective action, if necessary.



## TABLES

**Table 1 A**  
**Soil Criteria Table**

**9 N. 15th Street Site**  
**Brooklyn, New York**  
**BCP Site No. C224397**  
**QAPP/FSP**

Contaminant	Protection of Public Health					Protection of Ecological Resources <sup>n</sup>	Protection of Groundwater
	Unrestricted Use	Residential	Restricted-Residential	Commercial	Industrial		
All soil cleanup objectives (SCOs) are in parts per million (ppm); approximately equivalent to mg/kg.							
<b>Metals</b>							
Arsenic	13 <sup>m</sup>	16 <sup>f</sup>	17 <sup>f</sup>	18 <sup>f</sup>	19 <sup>f</sup>	13 <sup>f</sup>	16 <sup>f</sup>
Barium	350 <sup>m</sup>	350 <sup>f</sup>	400	400	10,000 <sup>d</sup>	433	820
Beryllium	7.2	14	72	590	2,700	10	47
Cadmium	2.5 <sup>m</sup>	2.5 <sup>f</sup>	4.3	9.3	60	4	7.5
Chromium, hexavalent <sup>h</sup>	1 <sup>i</sup>	22	110	400	800	1 <sup>o</sup>	19
Chromium, trivalent <sup>h</sup>	30 <sup>m</sup>	36	180	1,500	6,800	41	NS
Copper	50	270	270	270	10,000 <sup>d</sup>	50	1,720
Total Cyanide <sup>h</sup>	27	27	27	27	10,000 <sup>d</sup>	NS	40
Lead	63 <sup>m</sup>	400	400	1,000	3,900	63 <sup>f</sup>	450
Manganese	1600 <sup>m</sup>	2,000 <sup>f</sup>	2,000 <sup>f</sup>	10,000 <sup>d</sup>	10,000 <sup>d</sup>	1600 <sup>f</sup>	2,000 <sup>f</sup>
Total Mercury	0.18 <sup>m</sup>	0.81 <sup>j</sup>	0.81 <sup>j</sup>	2.8 <sup>j</sup>	5.7 <sup>j</sup>	0.18 <sup>f</sup>	0.73
Nickel	30	140	310	310	10,000 <sup>d</sup>	30	130
Selenium	3.9 <sup>m</sup>	36	180	1,500	6,800	3.9 <sup>f</sup>	4 <sup>f</sup>
Silver	2	36	180	1,500	6,800	2	8.3
Zinc	109 <sup>m</sup>	2200	10,000 <sup>d</sup>	10,000 <sup>d</sup>	10,000 <sup>d</sup>	109 <sup>f</sup>	2,480
<b>PCBs/Pesticides</b>							
2,4,5-TP Acid (Silvex)	3.8	58	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	NS	3.8
4,4'-DDE	0.0033 <sup>l</sup>	1.8	8.9	62	120	0.0033 <sup>e</sup>	17
4,4'-DDT	0.0033 <sup>l</sup>	1.7	7.9	47	94	0.0033 <sup>e</sup>	136
4,4'-DDD	0.0033 <sup>l</sup>	2.6	13	92	180	0.0033 <sup>e</sup>	14
Aldrin	0.005 <sup>m</sup>	0.019	0.097	0.68	1.4	0.14	0.19
alpha-BHC	0.02	0.097	0.48	3.4	6.8	0.04 <sup>g</sup>	0.02
beta-BHC	0.036	0.072	0.36	3	14	0.6	0.09
Chlordane (alpha)	0.094	0.91	4.2	24	47	1.3	2.9
delta-BHC	0.04	100 <sup>a</sup>	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	0.04 <sup>g</sup>	0.25
Dibenzofuran	7	14	59	350	1,000 <sup>c</sup>	NS	210
Dieldrin	0.005 <sup>m</sup>	0.039	0.2	1.4	2.8	0.006	0.1
Endosulfan I	2.4	4.8 <sup>i</sup>	24 <sup>i</sup>	200 <sup>i</sup>	920 <sup>i</sup>	NS	102
Endosulfan II	2.4	4.8 <sup>i</sup>	24 <sup>i</sup>	200 <sup>i</sup>	920 <sup>i</sup>	NS	102
Endosulfan sulfate	2.4	4.8 <sup>i</sup>	24 <sup>i</sup>	200 <sup>i</sup>	920 <sup>i</sup>	NS	1,000 <sup>c</sup>
Endrin	0.014	2.2	11	89	410	0.014	0.06
Heptachlor	0.042	0.42	2.1	15	29	0.14	0.38
Lindane	0.1	0.28	1.3	9.2	23	6	0.1
Polychlorinated biphenyls	0.1	1	1	1	25	1	3.2
<b>Semivolatile</b>							
Acenaphthene	20	100 <sup>a</sup>	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	20	98
Acenaphthylene	100 <sup>k</sup>	100 <sup>a</sup>	100 <sup>a</sup>	501 <sup>b</sup>	1,000 <sup>c</sup>	NS	107
Anthracene	100 <sup>k</sup>	100 <sup>a</sup>	100 <sup>a</sup>	502 <sup>b</sup>	1,000 <sup>c</sup>	NS	1,000 <sup>c</sup>
Benz(a)anthracene	1 <sup>m</sup>	1 <sup>f</sup>	1 <sup>f</sup>	5.6	11	NS	1 <sup>f</sup>
Benzo(a)pyrene	1 <sup>m</sup>	1 <sup>f</sup>	1 <sup>f</sup>	5.6	1.1	2.6	22
Benzo(b)fluoranthene	1 <sup>m</sup>	1 <sup>f</sup>	1 <sup>f</sup>	5.6	11	NS	1.7
Benzo(g,h,i)perylene	100	100 <sup>a</sup>	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	NS	1,000 <sup>c</sup>
Benzo(k)fluoranthene	0.8 <sup>m</sup>	1	3.9	56	110	NS	1.7
Chrysene	1 <sup>m</sup>	1 <sup>f</sup>	3.9	56	110	NS	1 <sup>f</sup>
Dibenz(a,h)anthracene	0.33 <sup>i</sup>	0.33 <sup>e</sup>	0.33 <sup>e</sup>	0.56	1.1	NS	1,000 <sup>c</sup>
Fluoranthene	100 <sup>k</sup>	100 <sup>a</sup>	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	NS	1,000 <sup>c</sup>
Fluorene	30	100 <sup>a</sup>	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	30	386
Indeno(1,2,3-cd)pyrene	0.5 <sup>m</sup>	0.5 <sup>f</sup>	0.5 <sup>f</sup>	5.6	11	NS	8.2
m-Cresol	0.33 <sup>i</sup>	100 <sup>a</sup>	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	NS	0.33 <sup>e</sup>
Naphthalene	12	100 <sup>a</sup>	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	NS	12
o-Cresol	0.33 <sup>i</sup>	100 <sup>a</sup>	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	NS	0.33 <sup>e</sup>
p-Cresol	0.33 <sup>i</sup>	34	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	NS	0.33 <sup>e</sup>
Pentachlorophenol	0.8 <sup>i</sup>	2.4	6.7	6.7	55	0.8 <sup>e</sup>	0.8 <sup>e</sup>
Phenanthrene	100	100 <sup>a</sup>	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	NS	1,000 <sup>c</sup>
Phenol	0.33 <sup>i</sup>	100 <sup>a</sup>	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	30	0.33 <sup>e</sup>
Pyrene	100	100 <sup>a</sup>	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	NS	1,000 <sup>c</sup>

**Table 1 A  
Soil Criteria Table**

**9 N. 15th Street Site  
Brooklyn, New York  
BCP Site No. C224397  
QAPP/FSP**

Contaminant	Protection of Public Health					Protection of Ecological Resources <sup>n</sup>	Protection of Groundwater
	Unrestricted Use	Residential	Restricted-Residential	Commercial	Industrial		
All soil cleanup objectives (SCOs) are in parts per million (ppm); approximately equivalent to mg/kg.							
<b>Volatiles</b>							
1,1,1-Trichloroethane	0.68	100 <sup>a</sup>	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	NS	0.68
1,1-Dichloroethane	0.27	19	26	240	480	NS	0.27
1,1-Dichloroethene	0.33	100 <sup>a</sup>	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	NS	0.33
1,2-Dichlorobenzene	1.1	100 <sup>a</sup>	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	NS	1.1
1,2-Dichloroethane	0.02 <sup>m</sup>	2.3	3.1	30	60	10	0.02 <sup>f</sup>
cis-1,2-Dichloroethene	0.25	59	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	NS	0.25
trans-1,2-Dichloroethene	0.19	100 <sup>a</sup>	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	NS	0.19
1,3-Dichlorobenzene	2.4	17	49	280	560	NS	2.4
1,4-Dichlorobenzene	1.8	9.8	13	130	250	20	1.8
1,4-Dioxane	0.1 <sup>l</sup>	9.8	13	130	250	0.1 <sup>e</sup>	0.1 <sup>e</sup>
Acetone	0.05	100 <sup>a</sup>	100 <sup>b</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	2.2	0.05
Benzene	0.06	2.9	4.8	44	89	70	0.06
Butylbenzene	12	100 <sup>a</sup>	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	NS	12
Carbon tetrachloride	0.76	1.4	2.4	22	44	NS	0.76
Chlorobenzene	1.1	100 <sup>a</sup>	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	40	1.1
Chloroform	0.37	10	49	350	700	12	0.37
Ethylbenzene	1	30	41	390	780	NS	1
Hexachlorobenzene	0.33 <sup>l</sup>	0.33 <sup>e</sup>	1.2	6	12	NS	3.2
Methyl ethyl ketone	0.12	100 <sup>a</sup>	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	100 <sup>a</sup>	0.12
Methyl tert-butyl ether	0.93	62	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	NS	0.93
Methylene chloride	0.05	51	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	12	0.05
n-Propylbenzene	3.9	100 <sup>a</sup>	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	NS	3.9
sec-Butylbenzene	11	100 <sup>a</sup>	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	NS	11
tert-Butylbenzene	5.9	100 <sup>a</sup>	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	NS	5.9
Tetrachloroethene	1.3	5.5	19	150	300	2	1.3
Toluene	0.7	100 <sup>a</sup>	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	36	0.7
Trichloroethene	0.47	10	21	200	400	2	0.47
1,2,4-Trimethylbenzene	3.6	47	52	190	380	NS	3.6
1,3,5-Trimethylbenzene	8.4	47	52	190	380	NS	8.4
Vinyl chloride	0.02	0.21	0.9	13	27	NS	0.02
Xylene (mixed)	0.26	100 <sup>a</sup>	100 <sup>a</sup>	500 <sup>b</sup>	1,000 <sup>c</sup>	0.26	1.6
<b>Per- and Polyfluoroalkyl Substances (PFAS)<sup>o</sup></b>							
PFOA	0.00066	0.0066	0.033	0.5	0.6	NS	0.0011
PFOS	0.00088	0.0088	0.044	0.44	0.44	NS	0.0037

Notes:  
<sup>a</sup> The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 ppm  
<sup>b</sup> The SCOs for commercial use were capped at a maximum value of 500 ppm  
<sup>c</sup> The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm  
<sup>d</sup> The SCOs for metals were capped at a maximum value of 10,000 ppm.  
<sup>e</sup> For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the SCO value  
<sup>f</sup> For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.  
<sup>g</sup> This SCO is derived from data on mixed isomers of BHC.  
<sup>h</sup> The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.  
<sup>i</sup> This SCO is for the sum of endosulfan I, endosulfan II, and endosulfan sulfate  
<sup>j</sup> This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts)  
<sup>k</sup> The SCOs for unrestricted use were capped at a maximum value of 100 ppm  
<sup>l</sup> For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value  
<sup>m</sup> For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site.  
<sup>n</sup> Protection of ecological resources SCOs were not developed for contaminants identified in Table 375-6.8(b) with "NS". Where such contaminants appear in Table 375-6.8(a), the applicant may be required by the Department to calculate a protection of ecological resources SCO according to the TSD.  
<sup>o</sup> SCOs for PFAS are taken from the NYSDEC Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) under NYSDEC's Part 375 Remedial Programs dated April 2023.

**Table 1B**  
Groundwater Criteria Table  
9 N. 15th Street Site  
Brooklyn, New York  
BCP Site No. C224397

Contaminant	Aqueous Water Quality Standards <sup>1</sup> , ug/L
<b>Metals</b>	
Antimony	3
Arsenic	---
Arsenic	25
Barium	1,000
Beryllium	3
Cadmium	5
Chromium, hexavalent	---
Chromium, trivalent	50
Copper	200
Cyanide	---
Iron	300
Lead	25
Magnesium	35,000
Manganese	300
Mercury	0.7
Nickel	100
Selenium	10
Silver	50
Sodium	20,000
Thallium	0.5
Zinc	2000
<b>PCBs/Pesticides</b>	
alpha-BHC	0.01
2,4,5-TP Acid (Silvex)	---
4,4'-DDD	0.3
4,4'-DDE	0.2
4,4'-DDT	0.2
Aldrin	---
beta-BHC	0.04
Chlordane (alpha)	---
Dibenzofuran	---
Dieldrin	0.004
Endosulfan I	0.12
Endosulfan II	0.12
Endosulfan sulfate	0.12
Endrin	---
Endrin aldehyde	5
Endrin ketone	5
gamma-BHC (Lindane)	0.05

**Table 1B**  
Groundwater Criteria Table  
9 N. 15th Street Site  
Brooklyn, New York  
BCP Site No. C224397

Contaminant	Aqueous Water Quality Standards <sup>1</sup> , ug/L
<b>PCBs/Pesticides, Con't.</b>	
gamma-Chlordane	0.12
Heptachlor	0.04
Heptachlor epoxide	0.03
Lindane	---
Methoxychlor	35
Polychlorinated biphenyls	---
Toxaphene	0.06
<b>Semivolatiles</b>	
1,1'-Biphenyl	5
2,2'-oxybis(1-Chloropropane)	5
2,4,5-Trichlorophenol	1
2,4-Dichlorophenol	1
2,4-Dimethylphenol	50
2,4-Dinitrophenol	10
2,4-Dinitrotoluene	5
2,6-Dinitrotoluene	5
2-Chloronaphthalene	10
2-Chlorophenol	1
2-Methylnaphthalene	502
2-Methylphenol	1
2-Nitroaniline	5
2-Nitrophenol	1
3,3'-Dichlorobenzidine	5
3-Nitroaniline	5
4-Chloro-3-methylphenol	1
4-Chloroaniline	5
4-Methylphenol	1
4-Nitroaniline	5
4-Nitrophenol	1
Acenaphthene	20
Acenaphthylene	202
Anthracene	50
Atrazine	7.5
Benz(a)anthracene	0.002
Benzo(a)pyrene	---
Benzo(b)fluoranthene	0.002
Benzo(g,h,i)perylene	52
Benzo(k)fluoranthene	0.002
bis(2-Chloroethoxy)methane	5

**Table 1B**  
Groundwater Criteria Table  
9 N. 15th Street Site  
Brooklyn, New York  
BCP Site No. C224397

Contaminant	Aqueous Water Quality Standards <sup>1</sup> , ug/L
<b>Semivolatiles, Con't.</b>	
Bis(2-Chloroethyl)ether	1
bis(2-Ethylhexyl)phthalate	5
Butylbenzylphthalate	50
Chrysene	0.002
Dibenz(a,h)anthracene	502
Dibenzofuran	52
Diethylphthalate	50
Dimethylphthalate	50
Di-n-butylphthalate	50
Di-n-octylphthalate	50
Fluoranthene	50
Fluorene	50
Hexachlorobenzene	0.04
Hexachlorobutadiene	0.5
Hexachlorocyclopentadiene	5
Hexachloroethane	5
Indeno(1,2,3-cd)pyrene	0.002
Isophorone	50
m-Cresol	---
Naphthalene	10
Nitrobenzene	0.4
N-Nitrosodiphenylamine	50
o-Cresol	---
p-Cresol	---
Pentachlorophenol	1
Phenanthrene	50
Phenol	1
Pyrene	50
<b>Volatiles</b>	
1,1,1-Trichloroethane	5
1,1,2,2-Tetrachloroethane	5
1,1,2-Trichloro-1,2,2-trifluoroethane	5
1,1,2-Trichloroethane	1
1,1-Dichloroethane	5
1,1-Dichloroethene	5
1,1-Dichloroethylene	---
1,2,4-Trichlorobenzene	---

**Table 1B**  
Groundwater Criteria Table  
9 N. 15th Street Site  
Brooklyn, New York  
BCP Site No. C224397

Contaminant	Aqueous Water Quality Standards <sup>1</sup> , ug/L
<b>Volatiles, Con't.</b>	
1,2,4-Trimethylbenzene	5
1,2-Dibromo-3-chloropropane	0.04
1,2-Dibromoethane	0.0006
1,2-Dichlorobenzene	3
1,2-Dichloroethane	0.6
1,2-Dichloropropane	1
1,3,5- Trimethylbenzene	---
1,3-Butadiene	---
1,3-Dichlorobenzene	3
1,3-Dichlorobenzene	---
1,4-Dichlorobenzene	3
1,4-Dichlorobenzene	---
1,4-Dioxane	0.35 <sup>2</sup>
2-Butanone	50
2-Hexanone	50
4-Methyl-2-pentanone	502
Acetone	50
Benzene	1
Bromodichloromethane	50
Bromoform	50
Bromomethane	5
Butylbenzene	---
Carbon Disulfide	60
Carbon tetrachloride	5
Chlorobenzene	5
Chloroethane	5
Chloroform	7
Chloromethane	5
Cis- 1,3-Dichloropropene	0.4
cis-1,2-Dichloroethene	5
cis-1,2-Dichloroethylene	---
Cyclohexane	---
Dibromochloromethane	50
Dichlorodifluoromethane	5
Ethyl Acetate	---
Ethylbenzene	5
Freon 113	---
Hexachlorobenzene	---

**Table 1B**  
Groundwater Criteria Table  
9 N. 15th Street Site  
Brooklyn, New York  
BCP Site No. C224397

Contaminant	Aqueous Water Quality Standards <sup>1</sup> , ug/L
<b>Volatiles, Con't.</b>	
Hexachlorobutadiene	---
Hexane	---
Isopropylbenzene	5
m,p-Xylene	---
m-Dichlorobenzene	---
Methyl Acetate	NS
Methyl ethyl ketone	---
Methyl Isobutyl Ketone	---
Methyl tert-butyl ether	10
Methylcyclohexane	---
Methylene chloride	5
n-Propylbenzene	---
o-Dichlorobenzene	---
o-Xylene	---
p-Dichlorobenzene	---
sec-Butylbenzene	---
Styrene	5
tert-Butylbenzene	---
Tertiary Butyl Alcohol	---
Tetrachloroethene	5
Toluene	5
trans-1,2-Dichloroethene	5
trans-1,3-Dichloropropene	0.4
Trichloroethene	5
Trichlorofluoromethane	5
Vinyl Acetate	---
Vinyl Chloride	2
Xylene (mixed)	5
<b>Per- and Polyfluoroalkyl Substances (PFAS)</b>	
PFOA	0.0067 <sup>3</sup>
PFOS	0.0027 <sup>3</sup>
Notes:	
<sup>1</sup> - Division of Water Technical and Operational Guidance Values (TOGS) Ambient Water Quality Standards and Guidance Values (AWQS), ug/L	
<sup>2</sup> - Guidance value for PFOA, PFOS, and 1,4-dioxane is from the NYSDEC final AWQGVs, dated March 2023.	
ug/L - micro gram per liter	

**Table 1C**  
**Soil Vapor Criteria Table**  
**9 N. 15th Street Site**  
**Brooklyn, New York**  
**BCP Site No. C224397**

Volatile Organics in Air	CAS No.	NYSDOH Soil Vapor Intrusion Guidance Criteria				Toxicity	Decision Matrix
		1	2	3	4		
1,1,1-Trichloroethane	71556	2.5	20.6	-	-	L	B
1,1,2,2-Tetrachloroethane	79345	0.4	-	-	-	M	TD
1,1,2-Trichloroethane	79005	0.4	<1.5	-	-	H	TD
1,1-Dichloroethane	75343	0.4	<0.7	-	-	L	TD
1,1-Dichloroethene	75354	0.4	<1.4	-	-	M	B
1,2,4-Trichlorobenzene	120821	0.5	<6.8	-	-	NA	TD
1,2,4-Trimethylbenzene	95636	9.8	9.5	-	-	NA	D
1,2-Dibromoethane	106934	0.4	<1.5	-	-	H	TD
1,2-Dichlorobenzene	95501	0.5	<1.2	-	-	M	TD
1,2-Dichloroethane	107062	0.4	<0.9	-	-	H	TD
1,2-Dichloropropane	78875	0.4	<1.6	-	-	M	TD
1,3,5-Trimethylbenzene	108678	3.9	3.7	-	-	M	D
1,3-Butadiene	106990	-	<3.0	-	-	H	TD
1,3-Dichlorobenzene	541731	0.5	<2.4	-	-	M	TD
1,4-Dichlorobenzene	106467	1.2	5.5	344	-	M	TD
1,4-Dioxane	123911	-	-	-	-	M	TD
2,2,4-Trimethylpentane	540841	5	-	-	-	M	D
2-Butanone	78933	16	12	-	-	M	TD
2-Hexanone	591786	-	-	-	-	NA	TD
3-Chloropropene	107051	-	-	-	-	M	TD
4-Ethyltoluene	622968	-	3.6	-	-	NA	TD
4-Methyl-2-pentanone	108101	1.9	6	-	-	M	TD
Acetone	67641	115	98.9	45.8	-	L	TD
Benzene	71432	13	9.4	10	-	H	D
Benzyl chloride	100447	-	<6.8	-	-	H	TD
Bromodichloromethane	75274	-	-	-	-	M	TD
Bromoform	75252	-	-	-	-	M	TD
Bromomethane	74839	0.5	<1.7	-	-	M	TD
Carbon disulfide	75150	-	4.2	-	-	M	TD
Carbon tetrachloride	56235	1.3	<1.3	1.1	-	H	A
Chlorobenzene	108907	0.4	<0.9	-	-	M	TD
Chloroethane	75003	0.4	<1.1	-	-	L	TD
Chloroform	67663	1.2	1.1	6.34	-	H	TD
Chloromethane	74873	4.2	3.7	-	-	M	TD
cis-1,2-Dichloroethene	156592	0.4	<1.9	-	-	M	B
cis-1,3-Dichloropropene	10061015	0.4	<2.3	-	-	NA	TD
Cyclohexane	110827	6.3	-	-	-	L	D



**Table 2**  
 Typical Analytical Parameters, Methods, Preservation, Holding Time and Container Requirements  
 9 N. 15th Street Site  
 Brooklyn, New York  
 BCP Site No. C224397

Sample Matrix	Analytical Parameter	Number of Samples <sup>1</sup>	EPA Analytical Method	Sample Preservation	Holding Time <sup>2</sup>	Sample Container <sup>3</sup>
Soil	VOCs + TICs	33	SW-846 Method 8260C/5035	Cool to 4 <sup>0</sup> C	14 days to analysis	(3) Encore
	(TCL)			no headspace		
Soil	PCBs	22	SW-846 Method 8082A	Cool to 4 <sup>0</sup> C	365 days to analysis	(1) 250 mL amber glass jar
Soil	Pesticides	22	SW-846 Method 8081A	Cool to 4 <sup>0</sup> C	14 days to extraction	(1) 250 mL amber glass jar
	(TCL)					
Soil	SVOCs + TICs	22	SW-846 Method 8270D	Cool to 4 <sup>0</sup> C	14 days to extraction	(1) 250 mL amber glass jar
	(TCL)					
Soil	1,4-Dioxane	22	SW-846 Method 8270D	Cool to 4 <sup>0</sup> C	7 days to extraction	(2) 250 mL amber glass jars
Soil	Metals	22	SW-846 Method 6010D Series	Cool to 4 <sup>0</sup> C	180 days to analysis	(1) 60 mL glass jar
Soil	Mercury	22	SW-846 Method 7470 A	Cool to 4 <sup>0</sup> C	28 days to analysis	(1) 60 mL glass jar
Soil	Hexavalent chromium	22	EPA 3060A/7196A	Cool to 4 <sup>0</sup> C	14 days to analysis	(1) 250 mL amber glass jar
Soil	Cyanide	22	SW-846 Method 9010C/9012B	Cool to 4 <sup>0</sup> C	14 days to analysis	(1) 250 mL amber glass jar
Soil	Herbicides	22	SW-846 Method 8151A	Cool to 4 <sup>0</sup> C	14 days to extraction	(1) 250 mL amber glass jar
Soil	PFAS	22	EPA Method 1633	Cool to 4 <sup>0</sup> C	14 Days	(1) 250 mL plastic container
Groundwater	VOCs	14	SW-846 Method 8260C	HCl; Cool to 4 <sup>0</sup> C; no headspace	14 days to analysis	(3) Vial
	(TCL)					
Groundwater	VOCs with TICs, including 1,4-Dioxane	14	SW-846 Method 8260C	HCl; Cool to 4 <sup>0</sup> C; no headspace	14 days to analysis	(3) Vial
	(TCL)					
Groundwater	1,4-Dioxane	8	SW-846 Method 8270D	Cool to 4 <sup>0</sup> C	7 days to analysis	(2) 250 mL amber glass jar
Groundwater	SVOCs	8	SW-846 Method 8270D	Cool to 4 <sup>0</sup> C	7 days to extraction	(2) 250 mL amber glass jar
	(TCL)					
Groundwater	SVOCs with TICs	8	SW-846 Method 8270D	Cool to 4 <sup>0</sup> C	7 days to extraction	(2) 250 mL amber glass jar
	(TCL)					
Groundwater	Metals- total	8	SW-846 Method 6020B/7470A Series	HNO <sub>3</sub> ; Cool to 4 <sup>0</sup> C	28 days to analysis for Hg; 180 days to analysis for other	(1) 500 mL plastic container
	(TAL)					
Groundwater	Metals-dissolved	8	SW-846 Method 6020B/7470A Series	HNO <sub>3</sub> ; Cool to 4 <sup>0</sup> C	28 days to analysis for Hg; 180 days to analysis for other metals	(1) 500 mL plastic container
	(TAL)					
Groundwater	Pesticides (TCL)	8	SW-846 Method 8081B	Cool to 4 <sup>0</sup> C	7 days to extraction	(2) 120 mL amber glass jar
Groundwater	Herbicides (TCL)	8	SW-846 Method 8151A	Cool to 4 <sup>0</sup> C	7 days to extraction	(2) 1000 mL amber glass jar
Groundwater	PCBs	8	SW-846 Method 8082A	Cool to 4 <sup>0</sup> C	365 days to analysis	(1) 250 mL amber glass jar
Groundwater	Cyanide	8	SW-846 Method 9012A	Cool to 4 <sup>0</sup> C	14 days to analysis	(1) 250 mL amber glass jar
Groundwater	Hexavalent chromium	8	EPA 3060A/7196A	Cool to 4 <sup>0</sup> C	14 days to analysis	(1) 250 mL amber glass jar
Groundwater	Mercury	8	SW-846 Method 7470 A	HNO <sub>3</sub> ; Cool to 4 <sup>0</sup> C	28 days to analysis	(1) 250 mL plastic container
Groundwater	PFAS	8	EPA Method 1633	Cool to 4 <sup>0</sup> C	14 Days	(1) 250 mL plastic container
Soil Gas & Ambient Air	VOCs	9	EPA Method TO-15 Select Ion Monitoring (SIM)	None	14 days to analysis	(1) Evacuated 6-Liter SUMMA® canister

Notes:  
<sup>1</sup> Actual number of samples may vary depending on field conditions, sample material availability, and field observations. See RIWP for estimates.  
<sup>2</sup> Holding times listed are method holding time calculated from time of collection and not NYSDEC ASP holding times.  
<sup>3</sup> MS/MSDs require duplicate volume for all parameters for solid matrices; MS/MSDs require triplicate volume for organic parameters for aqueous matrices and duplicate volume for inorganic parameters for aqueous matrices

**Table 3**  
 Typical Laboratory Data Quality Objectives  
 Soil Samples  
 9 N. 15th Street., Brooklyn, NY  
 BCP Site No. C224397

Parameter	Method	Matrix	Accuracy Control Limits	Accuracy Frequency Requirements	Precision (RPD) Control Limits	Precision Frequency Requirements
VOCs (TCL)	SW-846 Method 8260B/5035	Soil	<u>Surrogates</u> <u>% Rec.</u> 1,2-Dichloroethane-d4    70-130 4-Bromofluorobenzene    70-130 Dibromofluoromethane    70-130 Toluene-d8                70-130 2-Chloroethoxyethane    70-130  Matrix Spikes 30-151% recovery	<u>Surrogates:</u> All samples, standards, QC samples  <u>Matrix Spikes:</u> One per 30 per matrix type	<u>Field Duplicates</u> RPD <30  <u>MS/MSDs</u> <u>(RPD)</u> RPD <30	<u>Field Duplicates:</u> One per 20 per soils  <u>MS/MSDs:</u> One per 30 per matrix type
VOCs with Tentatively Identified Compounds (TICs)	SW-846 Method 8260C	Soil	<u>Surrogates</u> <u>% Rec.</u> 1,2-Dichloroethane-d4    70-130  4-Bromofluorobenzene    70-130 Dibromofluoromethane    70-130 Toluene-d8                70-130  <u>Matrix Spikes</u> 36-162 % recovery	<u>Surrogates:</u> All samples, standards, QC samples  <u>Matrix Spikes:</u> One per 20	<u>Field Duplicates</u> RPD <30  <u>MS/MSDs</u> <u>RPD</u> RPD<30	<u>Field Duplicates:</u> One per 20  <u>MS/MSDs:</u> One per 20
PCBs	SW-846 Method 8082A	Soil	<u>Surrogates</u> <u>% Rec.</u> 2,4,5,6-Tetrachloro-m-xylene    30-150 Decachlorobiphenyl                30-150  <u>Matrix Spikes</u> 40-140% recovery	<u>Surrogates:</u> All samples, standards, QC samples  <u>Matrix Spikes:</u> One per 20 per matrix type	<u>Field Duplicates</u> RPD <50 <u>MS/MSDs</u> RPD<50 <u>(RPD)</u>	<u>Field Duplicates:</u> One per 20 per soils  <u>MS/MSDs:</u> One per 20 per matrix type
SVOCs	SW-846 Method 8270D	Soil	<u>Surrogates</u> <u>% Rec.</u> Phenol-d6                    10-120 2-Fluorophenol                25-120 2,4,6-Tribromophenol        10-136 Nitrobenzene-d5                23-120 2-Fluorobiphenyl                30-120 4-Terphenyl-d14                18-120  <u>Matrix Spikes</u> 14-144% recovery	<u>Surrogates:</u> All samples, standards, QC samples  <u>Matrix Spikes:</u> One per 50 per matrix type	<u>Field Duplicates</u> RPD <50  <u>MS/MSDs</u> <u>(RPD)</u>	<u>Field Duplicates:</u> One per 20 per soils  <u>MS/MSDs:</u> One per 20 per matrix type
SVOCs with TICs	SW-846 Method 8270D	Soil	<u>Surrogates</u> <u>% Rec.</u>  Phenol-d5                    10-120 2-Fluorophenol                21-120 2,4,6-Tribromophenol        10-120 Nitrobenzene-d5                23-120 2-Fluorobiphenyl                15-120 4-Terphenyl-d14                41-149  <u>Matrix Spikes</u> 14-144%	<u>Surrogates:</u> All samples, standards, QC samples  <u>Matrix Spikes:</u> One per 20	<u>Field Duplicates</u> RPD <50  <u>MS/MSDs</u> <u>RPD</u> RPD<50	<u>Field Duplicates:</u> One per 20  <u>MS/MSDs:</u> One per 20
1,4-Dioxane	SW-846 Method 8270D	Soil	<u>Surrogates</u> <u>% Rec.</u> 1,4-Dioxane-d8                15-110  <u>Matrix Spikes</u> 40-140% recovery	<u>Surrogates:</u> All samples, standards, QC samples  <u>Matrix Spikes:</u> One per 20	<u>Field Duplicates</u> RPD <30  <u>MS/MSDs</u> <u>(RPD)</u> RPD<30	<u>Field Duplicates:</u> One per 20 per soils  <u>MS/MSDs:</u> One per 20
Pesticides (TCL)	SW-846 Method 8081A	Soil	<u>Surrogates</u> <u>% Rec.</u> Decachlorobiphenyl        30-150 Tetrachloro-m-xylene        30-150  <u>Matrix Spikes</u> 30-150% Recovery	<u>Surrogates:</u> All samples, standards, QC samples  <u>Matrix Spikes:</u> One per 20 per matrix type	<u>Field Duplicates</u> RPD <50 <u>MS/MSDs</u> RPD<50 <u>(RPD)</u>	<u>Field Duplicates:</u> One per 20 per soils  <u>MS/MSDs:</u> One per 20 per matrix type
Total Petroleum Hydrocarbons	SW-846 Method 8015B	Soil	<u>Surrogates</u> <u>% Rec.</u> o-Terphenyl                    27-153 Tetracosane-d50                28-148 5 $\alpha$ -androstane                27-148  TPH-DRO                    10-149	<u>Surrogates:</u> All samples, standards, QC samples  One per 20 per matrix type	<u>Field Duplicates</u> RPD <50  TPH-DRO      44	<u>Field Duplicates:</u> One per 20 per soils  One per 20 per matrix type
Herbicides	SW-846 Method 8151A	Soil	<u>Surrogates</u> <u>% Rec.</u> 2,4-DCAA                    30-150  <u>Matrix Spikes</u> 30-150% Recovery	<u>Surrogates:</u> All samples, standards, QC samples  <u>Matrix Spikes:</u> One per 20 per matrix type	<u>Field Duplicates</u> RPD <50  <u>MS/MSDs</u> <u>(RPD)</u> RPD<50	<u>Field Duplicates:</u> One per 20 per soils  <u>MS/MSDs:</u> One per 20 per matrix type
Metals (TAL)	SW-846 Method 6010D	Soil	<u>Surrogates</u> <u>% Rec.</u>  <u>Matrix Spikes</u> 75-125% recovery	<u>Surrogates:</u> One per 20 per matrix type  <u>Matrix Spikes:</u> One per 20 per matrix type	<u>Field Duplicates</u> RPD <20  <u>MS/MSDs</u> <u>(RPD)</u> RPD <20	<u>Field Duplicates:</u> One per 20 per soils  <u>MS/MSDs:</u> One per 20 per matrix type

**Table 3**  
 Typical Laboratory Data Quality Objectives  
 Soil Samples  
 9 N. 15th Street., Brooklyn, NY  
 BCP Site No. C224397

Parameter	Method	Matrix	Accuracy Control Limits	Accuracy Frequency Requirements	Precision (RPD) Control Limits	Precision Frequency Requirements
PFAs	LCMSMS-  Isotope  Dilution	Soil	<u>Surrogates</u> % Rec. Perfluoro[13C4]Butanoic Acid (MPFBA) 61-135 Perfluoro[13C4]Butanoic Acid (MPFBA) 58-132 Perfluoro[13C5]Pentanoic Acid (M5PFPEA) 62-163 Perfluoro[13C5]Pentanoic Acid (M5PFPEA) 58-150 Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) 70-131 Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) 74-139 Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) 57-129 Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) 66-128 Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) 60-129 Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) 71-129 Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) 71-134 Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) 78-139 Perfluoro[13C8]Octanoic Acid (M8PFOA) 62-129 Perfluoro[13C8]Octanoic Acid (M8PFOA) 75-130 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) 14-147  1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) 20-154  Perfluoro[13C9]Nonanoic Acid (M9PFNA) 59-139 Perfluoro[13C9]Nonanoic Acid (M9PFNA) 72-140 Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) 79-136  Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) 69-131  Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) 75-130 Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) 62-124 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) 19-175  1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) 10-162  N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) 24-116 N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) 31-134 Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) 61-155 Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) 55-137 Perfluoro[13C8]Octanesulfonamide (M8FOSA) 10-112 Perfluoro[13C8]Octanesulfonamide (M8FOSA) 10-117 N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) 34-137 N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) 27-126 Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) 48-131  Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) 54-150  Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) 22-136 Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) 24-159  <u>Matrix Spikes</u> 46-182% recovery	<u>Surrogates:</u> All samples, standards, QC samples  <u>Matrix Spikes:</u> One per 20 per matrix type	<u>Field Duplicates</u> RPD <30  <u>MS/MSDs</u> (RPD) RPD <30	<u>Field Duplicates:</u> One per 20 per soils  <u>MS/MSDs:</u> One per 20 per matrix type
			Mercury	SW-846 Method 7471B	Soil	<u>Surrogates</u> % Rec.  <u>Matrix Spikes</u> 80-125% recovery
Cyanide	SW-846 Method 9012A	Soil	<u>Surrogates</u> % Rec.  <u>Matrix Spikes</u> 75-125% Recovery	<u>Surrogates:</u>  <u>Matrix Spikes:</u> One per 35 per matrix type	<u>Field Duplicates</u> RPD <35  <u>MS/MSDs</u> (RPD) RPD <35	<u>Field Duplicates:</u> One per 20 per soils  <u>MS/MSDs:</u> One per 20 per matrix type

Recovery criteria for laboratory control samples must be at least as stringent as MS/MSD criteria.  
 Laboratory control limits are periodically updated. The latest control limits will be utilized at the time of sample analysis.

**Table 4**  
 Typical Laboratory Data Quality Objectives  
 Groundwater Samples  
 9 N. 15th Street., Brooklyn, NY  
 BCP Site No. C224397

Parameter	Method	Matrix	Accuracy Control Limits	Accuracy Frequency Requirements	Precision (RPD) Control Limits	Precision Frequency Requirements
VOCs (TCL)	SW-846 Method 8260C	Groundwater	<u>Surrogates</u> % Rec. 1,2-Dichloroethane-d4 70-130  4-Bromofluorobenzene 70-130 Dibromofluoromethane 70-130 Toluene-d8 70-130  <u>Matrix Spikes</u> 36-162 % recovery	<u>Surrogates:</u> All samples, standards, QC samples  <u>Matrix Spikes:</u> One per 20	<u>Field Duplicates</u> RPD <20  <u>MS/MSDs</u> <u>RPD</u> RPD <20	<u>Field Duplicates:</u> One per 20  <u>MS/MSDs:</u> One per 20
VOCs with Tentatively Identified Compounds (TICs)	SW-846 Method 8260C	Groundwater	<u>Surrogates</u> % Rec. 1,2-Dichloroethane-d4 70-130 4-Bromofluorobenzene 70-130 Dibromofluoromethane 70-130 Toluene-d8 70-130  <u>Matrix Spikes</u> 36-162 % recovery	<u>Surrogates:</u> All samples, standards, QC samples  <u>Matrix Spikes:</u> One per 20	<u>Field Duplicates</u> RPD <20  <u>MS/MSDs</u> <u>RPD</u> RPD <20	<u>Field Duplicates:</u> One per 20  <u>MS/MSDs:</u> One per 20
SVOCs (TCL)	SW-846 Method 8270D	Groundwater	<u>Surrogates</u> % Rec. Phenol-d5 10-120 2-Fluorophenol 21-120 2,4,6-Tribromophenol 10-120 Nitrobenzene-d5 23-120 2-Fluorobiphenyl 15-120 4-Terphenyl-d14 41-149  <u>Matrix Spikes</u> 14-144%	<u>Surrogates:</u> All samples, standards, QC samples  <u>Matrix Spikes:</u> One per 20	<u>Field Duplicates</u> RPD <50  <u>MS/MSDs</u> <u>RPD</u> RPD <50	<u>Field Duplicates:</u> One per 20  <u>MS/MSDs:</u> One per 20
SVOCs with TICs	SW-846 Method 8270D	Groundwater	<u>Surrogates</u> % Rec. Phenol-d5 10-120  2-Fluorophenol 21-120 2,4,6-Tribromophenol 10-120 Nitrobenzene-d5 23-120 2-Fluorobiphenyl 15-120 4-Terphenyl-d14 41-149  <u>Matrix Spikes</u> 14-144%	<u>Surrogates:</u> All samples, standards, QC samples  <u>Matrix Spikes:</u> One per 20	<u>Field Duplicates:</u> RPD <50  <u>MS/MSDs</u> <u>RPD</u> RPD <50	<u>Field Duplicates:</u> One per 20  <u>MS/MSDs:</u> One per 20
1,4-Dioxane	SW-846 Method 8270D	Groundwater	<u>Surrogates</u> % Rec. 1,4-Dioxane-d8 15-110  <u>Matrix Spikes</u> 40-140% recovery	<u>Surrogates:</u> All samples, standards, QC samples  <u>Matrix Spikes:</u> One per 20	<u>Field Duplicates</u> RPD <30 <u>Matrix Duplicates</u> RPD<30	<u>Field Duplicates:</u> One per 20 per soils  <u>MS/MSDs:</u> One per 20
Metals (Total and Dissolved)	SW-846 Methods 6020B	Groundwater	<u>Matrix Spikes</u> 75-125% recovery	<u>Surrogates:</u> All samples, standards, QC samples  <u>Matrix Spikes:</u> One per 20	<u>Field Duplicates</u> RPD <20  <u>Matrix Duplicates</u> RPD <20	<u>Field Duplicates:</u> One per 20  <u>MS/MSDs:</u> One per 20
Mercury (Total and Dissolved)	SW-846 Methods 7470A	Groundwater	<u>Matrix Spikes</u> 75-125% recovery	<u>Surrogates:</u> All samples, standards, QC samples  <u>Matrix Spikes:</u> One per 20	<u>Field Duplicates</u> RPD <35 (dissolved) RPD<20 (Total) <u>Matrix Duplicates</u> RPD <35 (dissolved) RPD<20 (Total)	<u>Field Duplicates:</u> One per 20  <u>MS/MSDs:</u> One per 20
PCBs	SW-846 Method 8082A	Groundwater	<u>Surrogates</u> % Rec. 2,4,5,6-Tetrachloro-m-xylene 30-150  Decachlorobiphenyl 30-150 <u>Matrix Spikes</u> 40-140% recovery	<u>Surrogates:</u> All samples, standards, QC samples  <u>Matrix Spikes:</u> One per 20 per matrix type	<u>Field Duplicates</u> RPD <50 <u>MS/MSDs</u> <u>(RPD)</u> RPD<50	<u>Field Duplicates:</u> One per 20  <u>MS/MSDs:</u> One per 20 per matrix type
Herbicides	SW-846 Method 8151A	Groundwater	<u>Surrogates</u> % Rec. 2,4-DCAA 30-150  <u>Matrix Spikes</u> 30-150% Recovery	<u>Surrogates:</u> All samples, standards, QC samples  <u>Matrix Spikes:</u> One per 20 per matrix type	<u>Field Duplicates:</u> RPD <50 <u>MS/MSDs</u> <u>(RPD)</u> RPD<50	<u>Field Duplicates:</u> One per 20  <u>MS/MSDs:</u> One per 20 per matrix type

**Table 4**  
 Typical Laboratory Data Quality Objectives  
 Groundwater Samples  
 9 N. 15th Street., Brooklyn, NY  
 BCP Site No. C224397

Parameter	Method	Matrix	Accuracy Control Limits	Accuracy Frequency Requirements	Precision (RPD) Control Limits	Precision Frequency Requirements
Pesticides (TCL)	SW-846 Method 8081B	Groundwater	<u>Surrogates</u> Decachlorobiphenyl 15-142  2,4,5,6-Tetrachloro-m-xylene 36-126  <u>Matrix Spikes</u> 30-150% recovery	<u>Surrogates:</u> All samples, standards, QC samples  <u>Matrix Spikes:</u> One per 20	<u>Field Duplicates</u>  RPD <30  <u>MS/MSDs</u> <u>RPD</u> RPD <30	<u>Field Duplicates:</u> One per 20  <u>MS/MSDs:</u> One per 20
PFAs	EPA Method 1633	Groundwater	<u>Surrogates</u> Perfluoro[13C4]Butanoic Acid (MPFBA) Perfluoro[13C4]Butanoic Acid (MPFBA) Perfluoro[13C5]Pentanoic Acid (M5PFPEA) Perfluoro[13C5]Pentanoic Acid (M5PFPEA) Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) Perfluoro[13C8]Octanoic Acid (M8PFOA) Perfluoro[13C8]Octanoic Acid (M8PFOA) 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-Perfluoro[13C9]Nonanoic Acid (M9PFNA) Perfluoro[13C9]Nonanoic Acid (M9PFNA) Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) Perfluoro[13C8]Octanesulfonamide (M8FOSA) Perfluoro[13C8]Octanesulfonamide (M8FOSA) N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5 N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)  <u>Matrix Spikes</u> 46-182% recovery	<u>Surrogates:</u> All samples, standards, QC samples  <u>Matrix Spikes:</u> One per 20 per matrix type	<u>Field Duplicates</u> RPD <30  <u>MS/MSDs</u> <u>RPD</u> RPD <30	<u>Field Duplicates:</u> One per 20  <u>MS/MSDs:</u> One per 20 per matrix
Cyanide	EPA Method 9012B	Groundwater	<u>Matrix Spikes</u> 75-125% recovery	<u>Surrogates:</u> All samples, standards, QC samples  <u>Matrix Spikes:</u> One per 35	<u>Field Duplicates</u> RPD <35  <u>Matrix Duplicates</u> RPD <35	<u>Field Duplicates:</u> One per 20  <u>Matrix Duplicates:</u> One per 20
Recovery criteria for laboratory control samples must be at least as stringent as MS/MSD criteria. Laboratory control limits are periodically updated. The latest control limits will be utilized at the time of sample analysis.						

**Table 5**  
 Typical Laboratory Data Quality Objectives  
 Soil Gas Samples  
 9 N. 15th Street., Brooklyn, NY  
 BCP Site No. C224397

Parameter	Method	Matrix	Accuracy Control Limits	Accuracy Frequency Requirements	Precision (RPD) Control Limits	Precision Frequency Requirements
VOCs	EPA Method TO-15	Soil Gas	<u>Surrogates</u> <u>% Rec</u> 4-Bromofluorobenzene 78-124	<u>Surrogates:</u> All samples, standards, QC samples	<u>Matrix Duplicates</u> RPD < 30	<u>Matrix Duplicates</u> One per 20

**Table 6**  
 QC Sample Preservation and Container Requirements  
 9 N. 15th Street., Brooklyn, NY  
 BCP Site No. C224397

Sample Matrix	Analytical Parameter	No. of Samples	EPA Analytical Method	Sample Preservation	Holding Time <sup>1</sup>	Sample Container
Soil	VOCs	2	SW-846 Method 8260C/5035	Cool to 4 <sup>0</sup> C	14 days to analysis	(3) Encore
	(TCL)			no headspace		
Soil	PCBs	2	SW-846 Method 8082A	Cool to 4 <sup>0</sup> C	365 days to analysis	(1) 250 mL amber glass jar
Soil	SVOCs	2	SW-846 Method 8270D	Cool to 4 <sup>0</sup> C	14 days to extraction	(1) 250 mL amber glass jar
	(TCL)					
Soil	1,4-Dioxane	2	SW-846 Method 8270D	Cool to 4 <sup>0</sup> C	7 days to extraction	(2) 250 mL amber glass jars
Soil	Metals (TAL)	2	SW-846 Method 6010D Series	Cool to 4 <sup>0</sup> C	180 days to analysis	(1) 60 mL glass jar
Soil	Mercury	2	SW-846 Method 7471B	Cool to 4 <sup>0</sup> C	28 days to analysis	(1) 60 mL glass jar
Soil	Hexavalent chromium	2	EPA 3060A/7196A	Cool to 4 <sup>0</sup> C	14 days to analysis	(1) 250 mL amber glass jar
Soil	Cyanide	2	SW-846 Method 9010C/9012B	Cool to 4 <sup>0</sup> C	14 days to analysis	(1) 250 mL amber glass jar
Soil	Herbicides	2	SW-846 Method 8151A	Cool to 4 <sup>0</sup> C	14 days to extraction	(1) 250 mL amber glass jar
Soil	Pesticides	2	SW-846 Method 8141A <sup>6</sup>	Cool to 4 <sup>0</sup> C	14 days to extraction	(1) 300 mL amber glass jar
Soil	PFAS	2	EPA Method 1633	Cool to 4 <sup>0</sup> C	14 Days	(1) 250 mL plastic container

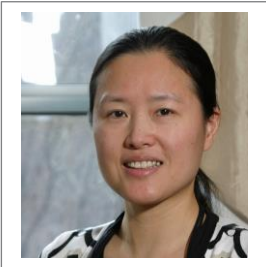
**Table 6**  
**QC Sample Preservation and Container Requirements**  
 9 N. 15th Street., Brooklyn, NY  
 BCP Site No. C224397

Groundwater	VOCs	1	SW-846 Method 8260C	HCl; Cool to 4 <sup>0</sup> C; no headspace	14 days to analysis	(3) Vial
	(TCL)					
Groundwater	1,4-Dioxane	1	SW-846 Method 8270D	Cool to 4 <sup>0</sup> C	7 days to analysis	(2) 250 mL amber glass jar
Groundwater	SVOCS	1	SW-846 Method 8270D	Cool to 4 <sup>0</sup> C	7 days to extraction	(2) 250 mL amber glass jar
	(TCL)					
Groundwater	Metals- total	1	SW-846 Method 6020B/7470A Series	HNO <sub>3</sub> ; Cool to 4 <sup>0</sup> C	28 days to analysis for Hg; 180 days to analysis for other metals	(1) 500 mL plastic container
	(TAL)					
Groundwater	Metals-dissolved	1	SW-846 Method 6020B/7470A Series	HNO <sub>3</sub> ; Cool to 4 <sup>0</sup> C	28 days to analysis for Hg; 180 days to analysis for other metals	(1) 500 mL plastic container
	(TAL)					
Groundwater	Pesticides (TCL)	1	SW-846 Method 8081B	Cool to 4 <sup>0</sup> C	7 days to extraction	(2) 120 mL amber glass jar
Groundwater	Herbicides (TCL)	1	SW-846 Method 8151A	Cool to 4 <sup>0</sup> C	7 days to extraction	(2) 1000 mL amber glass jar
Groundwater	PCBs	1	SW-846 Method 8082A	Cool to 4 <sup>0</sup> C	365 days to analysis	(1) 250 mL amber glass jar
Groundwater	Hexavalent Chromium	1	EPA 3060A/7196A	Cool to 4 <sup>0</sup> C	14 days to analysis	(1) 250 mL amber glass jar
Groundwater	Cyanide	1	SW-846 Method 9012A	Cool to 4 <sup>0</sup> C	14 days to analysis	(1) 250 mL amber glass jar
Groundwater	Mercury	1	SW-846 Method 7470 A	HNO <sub>3</sub> ; Cool to 4 <sup>0</sup> C	28 days to analysis	(1) 250 mL plastic container
Groundwater	PFAS	1	EPA Method 1633	Cool to 4 <sup>0</sup> C	14 Days	(1) 250 mL plastic container
Soil Gas	VOCs	1	EPA Method TO-15	None	14 days to analysis	(1) Evacuated 6-Liter SUMMA <sup>®</sup> canister
Notes:						
1 Holding times listed are method holding time calculated from time of collection and not NYSDEC ASP holding times.						



June 2025  
File No. 41.0163352.10  
QAPP/FSP – 9 N. 15<sup>th</sup> Street, Brooklyn, NY

## **ATTACHMENTS**



## Chunhua Liu, PhD

Senior Technical Specialist

### Summary of Experience

Dr. Liu is a senior chemist with more than 10 years of experience in analytical chemistry, data validation and management, and quality control and quality assurance for remedial investigations and remedial actions. Her experience includes laboratory chemical analysis, EPA Region I and Region II data validation and data usability evaluation, data usability evaluation for Massachusetts Contingency Plan (MCP), sampling and analysis plan development in accordance with the NYSDEC Analytical Service Protocol and Massachusetts Compendium of Quality Assurance and Quality Control Requirements (QA/QC) and Performance Standards for Selected Analytical Methods, and quality control and quality assurance for Superfund and MCP projects.

Dr. Liu majored in environmental chemistry and during her doctoral study at Harvard School of Public Health, she researched analytical methods for sediment and evaluated metal fate and transport in sediment. Dr. Liu worked at Parsons for over seven years and at Gradient for one year before joining GZA. At Parsons, Dr. Liu led the quality control and assurance and data management efforts from developing Quality Assurance Project Plan (QAPP) to assuring implementation of QA/QC requirements and from field sampling preparation and arrangement to chemical data management. Dr. Liu was responsible for the QA/QC and data validation and data usability evaluation for a 10,000-acre BRAC and Superfund NPL site in New York and assisted in the successful transfer of over 8,000 acres of land. Dr. Liu performed data usability evaluation for various Massachusetts Contingency Plan sites at Gradient and GZA.

### Relevant Project Experience

**Senior Technical Specialist.** Leads GZA human health risk assessment efforts for federal and state level superfund and MCP projects. Dr. Liu is also responsible for data usability evaluation for various projects.

**Technical Director.** Directed preparation and submittal of the Site-Wide Sampling and Analysis Plan (SAP) and the Site-Wide Quality Assurance Project Plan (QAPP) for a 10,000-acre Superfund site in New York in accordance with the Department of Defense (DOD), NYSDEC ASP, EPA Region II and EPA guidance. Directed project field sampling and data management. Supervised data validation in accordance with EPA Region II SOPs and NYSDEC ASP based on the NYSDEC ASP Category B deliverables. Identified laboratories qualified for project chemical analyses and interfaced with various analytical laboratories to address analytical deficiencies. Submitted data summary report to EPA Region II on a quarterly basis.

**Lead Chemist and Risk Assessor.** Led data usability evaluation and supported the successful closure of a 125-acre Hingham Annex Guaranteed Fixed Price Remediation Project. Dr. Liu also led the risk assessment effort and the effort of evaluating pesticide fate and transport at the site and successfully demonstrated that the pesticide conditions at the site were related to the past normal use of pesticides and therefore were not associated with the release at the Site.

**Technical Director.** Directed preparation and submittal of the SAP and the QAPP for various Formerly Used Defense (FUD) Sites. Supervised field sampling and data

### Education

B.E., 1992, Environmental Engineering,  
Tsinghua University, Beijing, China  
M.E., 1995, Environmental Engineering,  
Tsinghua University, Beijing, China  
M.S., 1998, Environmental Health, Harvard  
School of Public Health  
D.S., 2000, Environmental Chemistry,  
Harvard School of Public Health

### Areas of Specialization

- Human Health Risk Assessment
- Ecological Risk Assessment
- Data Usability Evaluation
- Project Quality Control and Assurance
- Fate and Transport Modeling



## Chunhua Liu, PhD

Senior Technical Specialist

validation in accordance with guidance from various EPA regions. Reviewed data validation and data usability report.

**Technical Director.** Directed data validation for various Superfund sites in EPA Region I and Region II in accordance with the EPA regional and state SOPs and the EPA Functional Guidelines. Led data validation for numerous MCP sites for various analytical analyses including metal, VOC, SVOC, pesticide, PCB, EPH, VPH, and TPH analyses.

**Project Chemist.** Evaluated different analytical methods for hexavalent chromium analysis. Compared analytical methods developed by NJDEP and EPA and identified the appropriate method for a CERCLA site in New Jersey.

**Project Chemist.** Evaluated quantitatively potential impacts to metal data usability by interference caused by common metals in environmental samples for a CERCLA site in New York.

**Project Chemist.** Performed data validation for indoor air samples for various CERCLA and MCP Sites to assist evaluation of potential vapor intrusion pathway.

**Project Chemist.** Performed Level IV data validation for a Superfund site in New York for various analytical analyses including metal, VOC, SVOC, pesticide, and PCB analyses. Reviewed TIC identification and quantitation and assessed chromatograms and mass spectrums for VOCs and SVOCs.

**Project Chemist.** Provided technical support, prepared QAPPs, established proper data quality objectives (DQOs) for various projects, maintained project quality control, trained junior scientists, coordinated project field sampling and laboratory analyses, addressed non-conformance issues associated with the data produced by the laboratory, conducted statistical analysis, and prepared data validation reports on numerous RCRA/CERCLA and MCP projects.

### ENVIRONMENTAL ASSESSMENT AND REMEDIATION PROJECTS

**(Former Malden MGP) Senior Scientist - Lead Risk Assessor, Chemist, Site Assessment, Malden, Massachusetts.** Leading ongoing risk assessment work at large, complex former MGP that encompasses more than 16 acres of land and more than 10 different properties. Work has included vapor intrusion pathway evaluation, imminent hazard evaluation, substantial hazard evaluation, data usability evaluation, and risk characterizations for evaluation of effectiveness of sub-slab depressurization systems and remediation, direction of Site remediation and investigations, and verification of the need for AULs. GZA was able to demonstrate that indoor air impacts in a residential area were not related to MGP residuals, allowing for closure of that portion of the Site. Risk characterizations also demonstrated that Site conditions did not pose substantial hazards, confirming the effectiveness of the Temporary Solution.

**(Commercial Point LNG Facility) Senior Scientist - Lead Risk Assessor, Site Assessment and Closure, Dorchester Massachusetts.** Directed risk characterization to support MCP closure of former MGP facility that was currently being used as a Liquefied Natural Gas (LNG) storage and distribution facility. Performed risk characterization to support supplemental Phase II – IV MCP investigations and Permanent Solution status while allowing for beneficial reuse of the facility for LNG operations and a solar power generating facility. Also performed focused risk characterizations in support of an AUL filing and potential reuse options for portions of the Site.

**(Former Haverhill Holder Site) Senior Scientist - Lead Risk Assessor, Site Closure, Haverhill Massachusetts.** Directed risk characterization to support MCP closure of former MGP gas holder facility where wastes had been disposed. Conducted risk characterization to facilitate development of cost-effective cleanup plan involving focused soil excavation and use restrictions that allowed for achievement of a Permanent Solution. Performed a Method 3 risk characterization to support the complex supplemental Phase II investigation. This complex site encompassed properties owned by seven different parties, including residential land and portions of a river/tributary system.

**(Gloucester Former MGP) Senior Scientist - Lead Risk Assessor, Human Health Risk Assessment, North Shore, Massachusetts.** Performed Method 3 Risk Characterization for multiple parcels to support the Supplemental Phase II Comprehensive Site Assessment initiated by other consultants under the Massachusetts Contingency Plan. This Site included MGP impacts to



## Chunhua Liu, PhD

Senior Technical Specialist

approximately 45 acres of Gloucester Harbor sediment. GZA evaluated potential human health risks via exposure to soil, groundwater, sediment, surface water, homegrown produce, and consumption of fish. In addition, Risk Characterization was used in the early stages of the project to assist identification of data gaps and Site investigation.

**(Salem Power Plant) Project Manager, Cost Recovery Negotiations, Salem, Massachusetts.** Working through counsel, provided advice to a prior owner with respect to remedial obligations under the Massachusetts Contingency Plan (MCP) associated with impacts to soil at this power generating facility. Work included review of hot spot evaluation, risk characterization, and remediation performed at the Site. Given the Site use, we concluded that most of the claimed costs that had been incurred by the current owner were not necessary under the MCP and thus should not be subject to recovery from our client.

**(Sawyer Passway) Senior Scientist - Lead Risk Assessor, Chemist, MGP Site Closure, Fitchburg, Massachusetts.** Performed a Substantial Hazard Evaluation and a Method 3 Risk Characterization to support fast-track Massachusetts Contingency Plan (MCP) Phase II/III study of large, complex former MGP facility on the banks of a major New England river. The work had to be completed within two months to meet a key regulatory deadline. Work included a risk evaluation to support a streamlined supplemental field exploration program, a risk evaluation to direct the focused soil excavation, and a substantial hazard evaluation for the cost-effective temporary solution within the required regulatory deadlines. GZA's continuing work on this project has included technical support for an insurance cost-recovery claim, periodic evaluations of the temporary solution, completion of soil stabilization/solidification pilot studies, implementation of focused remedial programs during site building demolition work and development of remedial plans directed at achieving a Permanent Solution (PS). Based on updated evaluations, a cost-effective approach to a PS was developed in 2014 and a Method 3 Risk Characterization was performed to support a PSS in 2015.

**(Former Army Depot Activity Site), Technical Director, Syracuse, New York.** Directed preparation and submittal of the Site-Wide Sampling and Analysis Plan (SAP) and the Site-Wide QAPP for a 10,000-acre Superfund site in New York in accordance with the Department of Defense (DOD), NYSDEC ASP, USEPA Region II and USEPA guidance. Directed project field sampling and data management. Supervised data validation in accordance with USEPA Region II SOPs and NYSDEC ASP based on the NYSDEC ASP Category B deliverables. Identified laboratories qualified for project chemical analyses and interfaced with various analytical laboratories to address analytical deficiencies. Submitted data summary report to USEPA Region II on a quarterly basis.

**(Waverley Oaks Road), Senior Scientist - Lead Risk Assessor, Human Health Risk Assessment, Waltham, Massachusetts.** This property has been impacted by improper storage of large quantities of waste oil that was to be used to heat on-site green houses, or to be processed and resold. This Site is regulated under the Massachusetts Contingency Plan; Massachusetts Department of Environmental Protection reviewed and approved all work plans and reports for the site investigation and risk assessment; it was downgraded from a Tier 1A to a Tier 1B Site following completion of the Phase II investigations.

Waste oil releases have impacted nearly 10-acres of an on-Site pond, stream and wetland, including 3 acres that have visible oil presented within surficial wetland soil and sediment. GZA conducted a Method 3 Risk Characterization to support the permanent solution of the Site. For the Vapor Intrusion pathway, GZA identified constituents not related to Site release and verified the conclusion based on the evaluation of Site-specific attenuation factors.

### Publications and Presentations

Liu, C., J. Jay, T. Ford. Evaluation of Environmental Effects on Metal Transport from Capped Contaminated Sediment under Conditions of Submarine Groundwater Discharge. *Env. Sci. Tech.* 2001 35: 4549-4555.

Liu, C., J. Jay, R. Ika, S. James, and T. Ford. Capping efficiency for metal-contaminated marine sediment under conditions of groundwater inflow. *Env. Sci. Tech.* 2001 35: 2334-2340.

Blanchet, R., Liu, C., Bowers, T. Summary of Available Freshwater and Marine Sediment Quality Guidelines and Their Use in North America. Abstract accepted at SEATEC Conference, November, 2001

Blanchet, R., Liu, C., Bowers, T. Estimation of Average Exposure Point Concentrations for Pesticides Assuming Accumulation and Degradation in the Environment. Abstract accepted at SEATEC Conference, November, 2001



## Chunhua Liu, PhD

Senior Technical Specialist

Seeley, M.R., Schettler, S., Liu, C., Blanchet, R.J., Bowers, T.S. Assessing Cancer Risks Due to Use of Insecticides to Control the Mosquito-borne West Nile Virus: Use of the Margin of Exposure Approach. Abstract accepted at Society of Toxicology, 41st Annual Meeting, March 17-21, 2002.

Chunhua Liu, Jennifer Jay, Ravi Ika, Shine James, Timothy Ford. Capping Efficiency for Metal-Contaminated Marine Sediment under Conditions of Submarine Groundwater Discharge. Poster presentation at Conference on Dredged Material Management: Options and Environmental Considerations. December 3-6, 2000

Chunhua Liu, Jennifer Jay, Timothy Ford. Evaluation of Environmental Effects on Metal Transport from Capped Contaminated Sediment Under Conditions of Submarine Groundwater Discharge. Poster presentation at Conference on Dredged Material Management: Options and Environmental Considerations. December 3-6, 2000

Chunhua Liu, Jennifer Jay, Timothy Ford. Core analysis: Is it a good indicator of metal release and capping efficiency? Poster presentation at Conference on Dredged Material Management: Options and Environmental Considerations. December 3-6, 2000

Chunhua Liu. 2000. Capping Efficiency for Metal Contaminated Marine Sediment under Conditions of Submarine Groundwater Discharge. Doctoral Thesis. Harvard School of Public Health

Chunhua Liu, Ravi Ika, Tim Ford. 1998. Metal flux in near shore capping sites under conditions of submarine groundwater discharge. In: Fourth Marine & Estuarine Shallow Water Science & Management Conference. March 15-19, 1998

Wei Lin, Guowei Fu, Chunhua Liu. 1996. Study on allocating permissible pollutants discharge based on axioms system. Chin. J. Environ. Sci. 1996 17(3):35-37

Wei Lin, Chunhua Liu, Guowei Fu. 1995. Environmental conflict analysis and its application in environmental planning and management: siting of public facilities. Chin. J. Environ. Sci. 1995 16(6): 36-39

Chunhua Liu, Yongfeng Nie, Wei Lin. 1995. Application prospects of landfill gas utilization technique in China. Pollution Control Technology 1995 8(3): 143-145

Chunhua Liu. 1995. Evaluation of gas production from sanitary landfill. Master's thesis. Tsinghua University, Beijing, P.R.China

Wei Lin, Chunhua Liu. 1994. Rudimentary study on countermeasure to comprehensively control air pollution caused by motor vehicles in China. Pollution Control Technology 1994 7(4): 1-3

Xiurong Zhang, Chunhua Liu, Yanru Yang, Qingzhong Bai. 1993. Environmental impact report of wastewater treatment plant project in Xuanhua City, China.

Chunhua Liu, Yongfeng Nie. 1993. Water balance evaluation in Hongmei hazardous waste landfill. In: Environmental Impact Assessment of Hongmei Hazardous Waste Landfill: 25-33

Chunhua Liu. 1992. Modeling landfill leachate production and migration. Bachelor Thesis. Tsinghua University, Beijing, P.R.China

Chunhua Liu. 1991. A discussion with the author of "clean water extraction from ocean water". Technology of Water Purification 1991(1): 39-41

### Affiliations/Memberships

- Member, LSP Association
- Member, Society for Risk Analysis
- Certified EIT in Massachusetts