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February 10, 2026

Mr. Christopher Allan
NYS Department of Environmental Conservation
Division of Environmental Remediation, Remedial Bureau B
625 Broadway, 12th Floor
Albany, New York, 12233-7017

Re: Quarterly Monitoring and Engineering Control System Inspection Report – 2025 4th Quarter
Newtown Creek Bud Site (NCBS) – North Block
2-21 Malt Drive, Long Island City, New York
BCP Site ID: C241248

Dear Mr. Allan:

This Quarterly Monitoring and Engineering Control System Inspection Report has been prepared by AKRF, Inc. (AKRF), on behalf of Bud North LLC (the Volunteer), to summarize routine post-remedial groundwater monitoring and sampling activities, and Sub-Slab Depressurization System (SSDS) and Soil Vapor Extraction System (SVES) inspections, performed at the NCBS – North Block Brownfield Cleanup Program (BCP) Site located at 2-21 Malt Drive in the Hunter's Point South section of Long Island City, New York (the "Site"). The Site, which is also identified as Block 11, Lot 1 on the New York City Tax Map, is an approximately 130,915-square-foot parcel currently under construction with a multi-story mixed use commercial and residential building. A Site location map is provided as Figure 1, and a Site plan is provided as Figure 2.

The Volunteer entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) in January 2022 to investigate and remediate the Site. The Site was ultimately remediated to Restricted Residential Use, and the sub-slab depressurization system (SSDS) and soil vapor extraction system (SVES) began operation on September 27, 2023. AKRF's Final Engineering Report (FER) and Site Management Plan (SMP) were approved by NYSDEC, resulting in the issuance of a Certificate of Completion (CoC) on December 29, 2023.

Based on the results of the second year of quarterly groundwater monitoring events conducted in accordance with the SMP, AKRF requests the discontinuation of groundwater monitoring at the Site. Additionally, per the NYSDEC-approved SVES Cycling Work Plan, dated November 2025, AKRF has begun the process of decommissioning a portion of the SVES. On December 19, 2025, the granular activated carbon treatment system was taken offline, and the outlet piping from the SVES manifold was reconnected to the piping leading to the riser. Subsequently, on January 23, 2026, the SVES was shut down for a one-month period, and operation will resume for a one-month period in late February 2026. The active SSDS will continue to operate under stabilized conditions on a continuous basis (24 hours per day, 7 days per week) to provide ongoing protection against sub-slab soil vapor intrusion at the Site.

Ongoing Site management activities are being performed in accordance with the SMP and SVE Cycling Work Plan, including:

- Continued cycling of the SVES and monitoring through June 2026, including effluent air sample collection and monitoring point measurements; and
- Annual site-wide cover system and SSDS detailed operations inspections.

Upon completion of the six-month cycling period, a summary of the SVES cycling activities will be provided in the SVES Shutdown Letter Report, as appropriate. Further assessment (and recommendations, if necessary) will be provided in the 2026 Annual Periodic Review Report (PRR).

BACKGROUND

The Remedial Investigation (RI) determined that the nature and extent of contaminated soil, groundwater, and soil vapor present at the Site consisted of the following contaminants: volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, metals, and per- and poly-fluoroalkyl substances (PFAS) in soil/fill; chlorinated solvent and petroleum-related VOCs and dichlorodifluoromethane (Freon-12) in soil vapor; and petroleum-related VOCs, Freon-12, polycyclic aromatic hydrocarbons (PAHs), PCBs, metals, and PFAS in groundwater. A figure presenting groundwater sample results from the RI is included for comparison to this quarter's sampling results as Figure 3.

The Remedial Action included excavation and off-site disposal of source material in soil and implementation of a groundwater treatment program consisting of mechanical mixing of Regenesis® ORC Advanced® and PersulfOx® in the southwestern portion of the Site. Additionally, engineering controls were constructed at the Site, including installation of an SSDS, SVES, and a site-wide cover system. On November 28, 2022 and December 1, 2022, post-remedial groundwater samples were collected from three post-remedial groundwater monitoring wells installed within the Site boundary (MW-01, MW-02, and MW-03) and submitted for laboratory analysis of VOCs. The post-remedial groundwater samples collected from the Site indicated that petroleum-related VOCs, including benzene, toluene, ethylbenzene, and xylenes (collectively referred to as BTEX) and 1,2,4-trimethylbenzene, were still present in groundwater at the Site above the Technical and Operational Guidance Series (TOGS) 1.1.1. Ambient Water Quality Standards and Guidance Values (AWQSGVs). The post-remedial groundwater sample results for Quarter 4 of 2025 are shown on Figure 4.

QUARTERLY GROUNDWATER MONITORING

This quarterly monitoring report summarizes the findings from the monitoring, sampling, and associated analytical reports and field sampling logs during the fourth quarter of 2025.

Field Methods

On November 12, 2025, groundwater samples were collected from the three on-site monitoring wells (MW-01, MW-02, and MW-03) in accordance with United States Environmental Protection Agency (EPA) low flow sampling methodology and the Site-specific Quality Assurance and Project Plan (QAPP) and Field Sampling Plan (FSP), which are included as Appendix H of the SMP. Matrix spike/matrix spike duplicate (MS/MSD) samples and a blind duplicate sample were taken and analyzed from wells MW-01 and MW-02, respectively. Groundwater samples were collected using dedicated and decontaminated sampling equipment.

Prior to collecting the groundwater samples, the depth to groundwater and the total well depth were measured at each of the groundwater monitoring wells using an oil/water interface probe attached to a measuring tape accurate to 0.01 foot. A sulfur-like odor (similar to rotten eggs) was observed in two of the wells (MW-01 and MW-02). All purge water from the monitoring wells was containerized in a labeled, New York State Department of Transportation (NYSDOT)-approved 55-gallon drum for off-site disposal at a permitted facility. Groundwater sampling logs are provided in Attachment A.

Groundwater samples were collected and submitted to Pace Analytical Laboratories (Pace) in Westborough, MA, a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP)-certified facility. The samples were analyzed for VOCs using EPA Method 8260D and Total Petroleum Hydrocarbons (TPH) as Diesel Range Organics (DRO) and Oil Range Organics (ORO), with Category B data deliverables, in accordance with the SMP. A trip blank was included with the samples submitted for VOC analysis.

Results

VOCs

One petroleum VOC, benzene, was detected above its AWQSGV of 1 microgram per liter (µg/L) in the groundwater samples collected from monitoring wells MW-01 and MW-02 (plus the blind duplicate sample) at concentrations of 4.5 µg/L and 3.3 µg/L, respectively (and 2.9 µg/L in the blind duplicate collected from MW-02). No other VOCs were detected above the AWQSGVs.

TPH DRO and ORO

TPH DRO and ORO were detected in all three monitoring wells at variable concentrations ranging between 104 µg/L to 337 µg/L and 23.8 µg/L and 45.3 µg/L, respectively. Both DRO and ORO concentrations rebounded slightly from the previous quarter, although the results continue to show that there has been a significant reduction in the overall concentrations of TPH DRO and ORO in groundwater at the Site. In addition, both TPH DRO and ORO are present in MW-03, which is upgradient of the former petroleum spill area, which indicates that there is likely a regional groundwater condition.

A summary of the fourth quarter 2025 groundwater sample results is provided in Table 1, with concentrations of VOCs and TPH DRO and ORO over time provided in Table 2. Exceedances of the AWQSGVs are presented on Figure 4. The complete data analytical report and Data Usability Summary Report (DUSR) are provided in Attachment B.

THIRD-PARTY DUSR RESULTS

Third-party data validation was performed by Jeri Rossi of Cranford, NJ, and a DUSR was prepared (Attachment B), which confirmed usability of the data with additional qualifiers. Validated electronic data deliverables (EDDs) will be submitted to NYSDEC via the Environmental Quality Information System (EQuIS™).

SSDS INSPECTION

A summary of the SSDS inspection conducted on November 13, 2025, is provided in the below, and all observations and readings collected during the inspection were recorded on the SSDS Monitoring Inspection Form included in Attachment C. The layout of the SSDS is shown on Figure 5. The following items were inspected and noted to conform to the design standards or did not require additional maintenance during the completion of the quarterly monitoring inspection:

- The eastern SSDS blower was operating at the time of inspection, and air was discharging through the exhaust piping;
- The western SSDS blower was operating at the time of inspection, and air was discharging through the exhaust piping;
- The pressure and air flow rate gauges were clean and within normal ranges;
- The blower effluent photoionization detector readings and temperatures were within acceptable ranges;
- The concrete floor slab overlying the SSDS piping was intact;
- The exterior control panel was clean; and
- The structural integrity of the exhaust stack on the roof of the Site building was confirmed.

The induced vacuum levels collected from the SSDS monitoring points (MP-01 through MP-14) ranged from 0.99 to 1.29 inches of water (in H_2O), as summarized in Table A, below. The applied vacuum for the individual SSDS riser legs of the manifold (SSDS-N1 through SSDS-N16) ranged from 1.2 to 2.3 in H_2O, and the air flow rate ranged from 4 to 78 standard cubic feet per minute (SCFM).

Table A
SSDS Monitoring Point Vacuum Readings – November 2025

Monitoring Point	Vacuum (in H_2O)
MP-01	1.19
MP-02	1.18
MP-03	1.29
MP-04	0.99
MP-05	1.09
MP-06	1.10
MP-07	1.13
MP-08	1.01
MP-09	1.02
MP-10	1.12
MP-11	1.13
MP-12	1.08
MP-13	1.14
MP-14	1.24

SVES INSPECTION

The summary of the inspection conducted on November 13, 2025 is provided in the sections below, and all observations and readings collected during the inspection were recorded on the SVES Quarterly System Inspection Form included in Attachment C. The system layout is presented on Figure 5. The following items were inspected and noted to conform to the design standards or did not require additional maintenance during the completion of the quarterly inspection:

- The system was operational throughout the quarter, in accordance with the SMP;
- Condensate in the knockout tank gauge was below the low-high float sensor;
- The SVES blower and transfer pump were operating properly; and
- The vacuum and air flow gauges were clean and within normal ranges.

The induced vacuum levels from the SVES monitoring points (SVMP-01 through SVMP-06) ranged from 1.13 to 1.37 in H_2O, as summarized in Table B, below. The applied vacuum for the individual SVES riser legs of the manifold (SVE-01 through SVE-05) ranged from 1.50 to 4.0 in H_2O, and the SVES riser air flow rates ranged from 10 to 35 SCFM.

Table B
SVES Monitoring Point Vacuum Readings – November 2025

Monitoring Point	Vacuum (in H_2O)
SVMP-01	1.13
SVMP-02	1.30
SVMP-03	1.29
SVMP-04	1.32
SVMP-05	1.30
SVMP-06	1.37

CONCLUSIONS

Groundwater Monitoring

The quarterly groundwater monitoring and sampling results indicated that benzene is still present in groundwater above AWQSGVs in the southwestern portion of the Site (MW-01 and MW-02); however, the data continues to show a significant reduction of petroleum VOCs in groundwater following completion of the remedial activities, and no VOCs were detected in MW-03. TPH DRO and ORO were also detected in groundwater at slightly increased concentrations compared to last quarter, but the detections may be at least partially due to regional groundwater quality. Based on post-remedial groundwater results, which have consistently shown a significant reduction of petroleum VOCs, AKRF is requesting discontinuation of the groundwater monitoring program.

SSDS Inspection

The flow rate readings collected for the individual SSDS riser legs of the manifolds indicate that several riser legs are operating below the expected rate. However, the applied vacuum for the SSDS riser legs is operating within the expected range, and the induced vacuum measurements observed at the SSDS monitoring points are two orders of magnitude above the minimum threshold of 0.004 in H_2O. Overall, the system is operating properly at the Site.

SVES Inspection

The flow rate readings collected from each of the individual SVES riser legs of the manifold indicate that one riser leg is operating slightly below the expected range. However, the applied vacuum for the SVES riser legs is operating within the expected range, and the induced vacuum rates observed at the SVES monitoring points are well above the minimum threshold of 0.1 in H_2O. The post-blower pressure is at the high end of the expected range, but the overall system is operating properly at the Site.

In accordance with the NYSDEC-approved SVE Cycling Work Plan dated November 2025, AKRF has initiated the decommissioning portions of the SVES. On December 19, 2025, the granular activated carbon treatment system was taken offline, and the outlet piping from the SVES manifold was reconnected to the piping leading to the riser. Subsequently, on January 23, 2026, the SVES was shut down for a one-month period. AKRF will continue cycling the SVES on and off and will collect effluent air samples and vacuum readings from the SVES and SSDS monitoring points through June 2026 in accordance with the November 2025 work plan. A summary of the SVES cycling activities will be provided in the forthcoming SVES Shutdown Letter Report, as appropriate.

SCHEDULED ACTIVITIES

In accordance with the SMP and the SVE Cycling Work Plan, the following is required:

- Continued cycling of the SVES and system monitoring through June 2026, including effluent air sample collection and monitoring point measurements; and
- Annual site-wide cover system and SSDS detailed operations inspections.

Upon completion of the six-month cycling period, a summary of SVES shutdown activities will be provided in an SVES Shutdown Letter Report, as appropropriate. Further assessment (and recommendations, if necessary) will be provided in the 2026 Annual PRR.

If you have any questions regarding the information presented herein, please contact Patrick Diggins at (914) 922-2784 or Marc Godick at (914) 922-2356.

Sincerely,
AKRF, Inc.

Marc S. Godick, LEP
Senior Vice President

J. Patrick Diggins
Vice President

In-Text Table:	Table A	SSDS Monitoring Point Vacuum Readings – November 2025
	Table B	SVES Monitoring Point Vacuum Readings – November 2025

Attachments:

	Table 1	Post-Remedial Groundwater Concentrations – November 2025
	Table 2	Post-Remedial Groundwater Concentrations Over Time
	Figure 1	BCP Site Location
	Figure 2	BCP Site Plan
	Figure 3	Remedial Investigation Groundwater Sample Results
	Figure 4	Post-Remedial Groundwater Sample Results – November 2025
	Figure 5	SSDS and SVES Layout
	Attachment A	Groundwater Sampling Logs
	Attachment B	Laboratory Analytical Reports and DUSRs
	Attachment C	SSDS and SVES Inspection Logs

cc (electronic copy only):
Andre Obligado, Jane O'Connell – NYSDEC
Bruce Weill, Nicholas Vasta, Frank Vasta, George Georgioudakis – Bud North LLC
Rebecca Kinal, P.E. – AKRF

TABLES

Table 1
Newtown Creek Bud Site – North Block
2-21 Malt Drive, Long Island City, NY
Post-Remedial Groundwater Concentrations – June 2025
Volatile Organic Compounds (VOCs)

AKRF Sample ID		MW-01_20251112		MW-02_20251112		MW-0X_20251112		MW-03_20251112		TB_20251112		FB_20251112	
Lab Sample ID		L2572138-01		L2572138-02		L2572138-04		L2572138-03		L2572138-06		L2572138-05	
Sample Date		11/12/2025		11/12/2025		11/12/2025		11/12/2025		11/12/2025		11/12/2025	
Dilution Factor		1		1		1		1		1		1	
Unit		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
Volatile Organic Compounds (VOCs)	**AWQSGVs**	CONC	Q	CONC	Q	CONC	Q	CONC	Q	CONC	Q	CONC	Q
1,1,1,2-Tetrachloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,1-Trichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
1,1-Dichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1-Dichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4,5-Tetramethylbenzene	5	1.4	J	1.5	J	1.5	J	2	UJ	2	U	2	UJ
1,2,4-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromo-3-Chloropropane	0.04	2.5	UJ	2.5	UJ	2.5	UJ	2.5	UJ	2.5	U	2.5	UJ
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	2	U	2	U	2	U	2	U	2	U	2	U
1,2-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	1	1	U	1	U	1	U	1	U	1	U	1	U
1,3,5-Trimethylbenzene (Mesitylene)	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Diethyl Benzene	NS	2	U	2	U	2	U	2	U	2	U	2	U
2,2-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
2-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
2-Hexanone	50	5	U	5	U	5	U	5	U	5	U	5	U
4-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
4-Ethyltoluene	NS	2	U	2	U	2	U	2	U	2	U	2	U
Acetone	50	5	U	1.9	J	5	U	5	U	5	U	5	U
Acrylonitrile	5	5	R	5	R	5	R	5	R	5	R	5	R
Benzene	**1**	**4.5**		**3.3**		**2.9**		0.5	U	0.5	U	0.5	U
Bromobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromochloromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromodichloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	50	2	U	2	U	2	U	2	U	2	U	2	U
Bromomethane	5	2.5	UJ	2.5	UJ	2.5	UJ	2.5	UJ	2.5	U	2.5	UJ
Carbon Disulfide	60	2.3	J	5	U	5	U	5	U	5	U	5	U
Carbon Tetrachloride	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroethane	5	2.5	UJ	2.5	UJ	2.5	UJ	2.5	UJ	2.5	U	2.5	UJ
Chloroform	7	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ	2.5	U
Cis-1,2-Dichloroethylene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Cis-1,3-Dichloropropene	NS	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cymene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Dibromochloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromomethane	5	5	U	5	U	5	U	5	U	5	U	5	U
Dichlorodifluoromethane	5	5	U	5	U	5	U	5	U	5	UJ	5	U
Dichloroethylenes	NS	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Diethyl Ether (Ethyl Ether)	NS	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Ethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Isopropylbenzene (Cumene)	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
M,P-Xylenes	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methyl Ethyl Ketone (2-Butanone)	50	5	U	5	U	5	U	5	U	5	U	5	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5	U	5	U	5	U	5	U	5	U	5	U
Methylene Chloride	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
N-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
N-Propylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
O-Xylene (1,2-Dimethylbenzene)	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Sec-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Styrene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
T-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Tert-Butyl Methyl Ether	10	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Tetrachloroethylene (PCE)	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Toluene	5	2.5	U	1.4	J	1.4	J	2.5	U	2.5	U	2.5	U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trans-1,2-Dichloroethene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Trans-1,3-Dichloropropene	NS	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ	0.5	U
Trans-1,4-Dichloro-2-Butene	5	2.5	UJ	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Trichloroethylene (TCE)	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Vinyl Acetate	NS	5	U	5	U	5	U	5	U	5	U	5	U
Vinyl Chloride	2	1	U	1	U	1	U	1	U	1	U	1	U
Xylenes, Total	NS	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Total Petroleum Hydrocarbons (TPH)	**AWQSGVs**	CONC	Q	CONC	Q	CONC	Q	CONC	Q	CONC	Q	CONC	Q
TPH - Diesel Range Organics (C10 - C28)	NS	230	H	337		345		104	H	NR		26.5	J
TPH - Oil Range Organics	NS	23.8	H	30.6	H	45.3	H	35.7	H	NR		19.3	

Table 2
Newtown Creek Bud Site – North Block
2-21 Malt Drive, Long Island City, NY
Post-Remedial Groundwater Concentrations Over Time
VOCs and TPH

AKRF Sample ID		MW-01_20221128	DUP-01_20221128	MW-01_20240304	MW-1_20240612	MW-X_20240612	MW-01_20240816	MW-01_20241018	MW-01_20250122	MW-01_20250407	MW-01_20250627	MW-01_20250627	MW-01_20251112
Laboratory Sample ID		22K1477-01	22K1477-02	L2411621-01	L2433259-05	L2433259-02	L2446856-01	L2460992-03	460-319158-2	L2521120-01	L2540768-03	L2540768-03	L2572138-01
Date Sampled		11/28/2022	11/28/2022	3/04/2024	6/12/2024	6/12/2024	8/16/2024	10/18/2024	1/22/2025	4/07/2025	6/27/2025	6/27/2025	11/12/2025
Unit		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Dilution Factor		25	25	1	1	1	1	1	1	1	1	1	1
Volatile Organic Compounds (VOCs)	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1,2-Tetrachloroethane	5	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane	5	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	5	5 U	5 U	NR	NR	NR	NR	NR	1 UJ	NR	NR	NR	NR
1,1,2-Trichloroethane	1	5 U	5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 UJ	0.5 UJ	0.5 U
1,1-Dichloropropene	5	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 UJ	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	NR	NR	2 U	2 U	2 U	2 U	2 U	NR	2 U	2 U	2 U	1.4 J
1,2,4-Trichlorobenzene	5	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	**5**	5 U	**7 JD**	0.7 J	2.5 U	0.79 J	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	NR	NR	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	NR	NR	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	NR	NR	NR	NR	NR	NR	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	NS	NR	NR	2 U	2 U	2 U	2 U	2 U	NR	2 U	2 U	2 U	2 U
2,2-Dichloropropane	5	5 UJ	5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 U
4-Chlorotoluene	5	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	NS	NR	NR	2 U	2 U	2 U	2 U	2 U	NR	2 U	2 U	2 U	2 U
Acetone	50	25 UJ	25 UJ	1.7 J	5 U	5 U	5 U	5.7 J	**53**	5 U	5 U	5 U	5 U
Acrolein	5	5 UJ	5 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acrylonitrile	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NR	5 U	5 UJ	5 UJ	5 R
Benzene	**1**	**31.8 D**	**34.2 D**	**4.6**	**3.2**	**3.2**	1	**4.3 J**	**9**	**3.8**	**5.4**	**5.4**	**4.5**
Bromobenzene	5	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	5 U	5 U	2 UJ	2 UJ	2 UJ	2 U	2 U	1 U	2 U	2 U	2 U	2 U
Bromomethane	5	5 UJ	5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 U	1 U	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
Carbon Disulfide	60	7.5 JD	8 JD	2.2 J	5 U	5 U	1.4 J	2.4 J	2.9	2.4 J	2.2 UJ	2.2 UJ	2.3 J
Carbon Tetrachloride	5	5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 UJ
Chloroform	7	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	NS	5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	NS	5 U	5 U	NR	NR	NR	NR	NR	1 UJ	NR	NR	NR	NR
Cymene	5	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	5 U	5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NR	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U
Dichloroethylenes	NS	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	NS	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 UJ	2.5 UJ	2.5 U
Ethylbenzene	**5**	**7.25 JD**	**8.25 JD**	1.2 J	0.85 J	0.79 J	2.5 U	1.1 J	1.9	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
M,P-Xylenes	**5**	**14 JD**	**15 JD**	1.2 J	0.7 J	2.5 U	2.5 U	1.1 J	1.7	2.5 U	0.91 J	0.91 J	2.5 U
Methyl Acetate	NS	5 U	5 U	NR	NR	NR	NR	NR	5 U	NR	NR	NR	NR
Methyl Ethyl Ketone (2-Butanone)	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	36 L	5 U	5 UJ	5 UJ	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 U
Methylcyclohexane	NS	5 U	5 U	NR	NR	NR	NR	NR	1 U	NR	NR	NR	NR
Methylene Chloride	5	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Butylbenzene	5	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	**5**	**10.8 JD**	**11.8 JD**	1.1 J	2.5 U	2.5 U	2.5 U	0.97 J	1.6	2.5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	0.81 J	0.81 J	2.5 U
T-Butylbenzene	5	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Alcohol	NS	12.5 U	12.5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tert-Butyl Methyl Ether	10	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U
Tetrachloroethylene (PCE)	5	5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	**5**	**13 D**	**14.2 D**	1 J	2.5 U	0.8 J	2.5 U	0.93 J	1.9	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	NR	NR	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	NR	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	5	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	NS	5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	1 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U
Trans-1,4-Dichloro-2-Butene	5	NR	NR	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 UJ
Trichloroethylene (TCE)	5	5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U
Vinyl Acetate	NS	NR	NR	5 U	5 U	5 U	5 U	5 UJ	NR	5 U	5 U	5 U	5 U
Vinyl Chloride	2	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	NS	24.8 JD	26.8 JD	2.3 J	0.7 J	2.5 U	2.5 U	2.1 J	NR	2.5 U	0.91 J	0.91 J	2.5 U
Total Petroleum Hydrocarbons (TPH)	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
TPH - Diesel Range Organics (C10 - C28)	NS	NT	NT	401	213	304	115	303	NR	266	369 H	369 H	230 H
TPH - Oil Range Organics	NS	NT	NT	41.9	10.1 J	10.8	5.01	28.8	NR	38.6	10.7 U	10.7 U	23.8 H

Table 2
Newtown Creek Bud Site – North Block
2-21 Malt Drive, Long Island City, NY
Post-Remedial Groundwater Concentrations Over Time
VOCs and TPH

AKRF Sample ID		MW-02_20221201	MW-02_20240304	MW-0X_20240304	MW-2_20240612	MW-02_20240816	MW-0X_20240816	MW-02_20241018	MW-0X_20241018	MW-02_20250122	MW-0X_20250122	MW-02_20250407	MW-0X_20250407	MW-02_20250627	MW-0X_20250627
Laboratory Sample ID		22L0110-02	L2411621-02	L2411621-04	L2433259-01	L2446856-02	L2446856-04	L2460992-02	L2460992-05	460-319158-1	460-319158-3	L2521120-02	L2521120-04	L2540768-02	L2540768-04
Date Sampled		12/01/2022	3/04/2024	3/04/2024	6/12/2024	8/16/2024	8/16/2024	10/18/2024	10/18/2024	1/22/2025	1/22/2025	4/07/2025	4/07/2025	6/27/2025	6/27/2025
Unit		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Dilution Factor		1	1	1	1	1	1	1	1	1	1	1	1	1	1
Volatile Organic Compounds (VOCs)	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1,2-Tetrachloroethane	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	5	0.2 U	NR	NR	NR	NR	NR	NR	NR	1 U	1 U	NR	NR	NR	NR
1,1,2-Trichloroethane	1	0.2 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1 U	1 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ
1,1-Dichloropropene	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 UJ	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	NR	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NR	NR	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	**5**	0.37 J	1.3 J	1.2 J	0.84 J	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	NR	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	NR	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	0.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	NR	NR	NR	NR	NR	NR	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	NS	NR	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NR	NR	2 U	2 U	2 U	2 U
2,2-Dichloropropane	5	0.2 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	0.2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 UJ	5 UJ
4-Chlorotoluene	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	NS	NR	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NR	NR	2 U	2 U	2 U	2 U
Acetone	50	1 UJ	5 U	5 U	5 U	5 U	5 U	1.7 J	2.6 J	5 U	5 U	5 U	5 U	5 U	5 U
Acrolein	5	0.2 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acrylonitrile	5	0.2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NR	NR	5 U	5 U	5 UJ	5 UJ
Benzene	**1**	0.93	**4.3**	**4**	**3.2**	**2**	**2**	**2.3 J**	**1.6 J**	**3.3**	**3.3**	**1.8**	**2.4**	**2.5**	**2.4**
Bromobenzene	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	0.2 U	2 UJ	2 UJ	2 UJ	2 U	2 U	2 U	2 U	1 U	1 U	2 U	2 U	2 U	2 U
Bromomethane	5	0.2 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 U	2.5 U	1 U	1 U	2.5 UJ	2.5 U	2.5 UJ	2.5 UJ
Carbon Disulfide	60	0.29 J	1.5 J	1.2 J	5 U	5 U	5 U	5 U	5 U	1 U	1 U	5 U	5 U	5 UJ	5 UJ
Carbon Tetrachloride	5	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	NS	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	NS	0.2 U	NR	NR	NR	NR	NR	NR	NR	1 U	1 U	NR	NR	NR	NR
Cymene	5	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	0.2 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	0.2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NR	NR	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	1.16	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	5 U	5 UJ	5 U	5 U
Dichloroethylenes	NS	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	NS	NR	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U	2.5 UJ	2.5 UJ
Ethylbenzene	**5**	0.37 J	1.2 J	1.1 J	0.8 J	2.5 U	2.5 U	2.5 U	2.5 U	0.73 J	0.77 J	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.35 J	1 U	2.5 U	2.5 U	2.5 U	2.5 U
M,P-Xylenes	**5**	0.55 J	1.1 J	1 J	0.76 J	2.5 U	2.5 U	2.5 U	2.5 U	0.7 J	0.72 J	2.5 U	2.5 U	1.1 J	1.1 J
Methyl Acetate	NS	0.2 U	NR	NR	NR	NR	NR	NR	NR	5 U	5 U	NR	NR	NR	NR
Methyl Ethyl Ketone (2-Butanone)	50	0.29 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	0.2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 UJ	5 UJ
Methylcyclohexane	NS	0.2 U	NR	NR	NR	NR	NR	NR	NR	1 U	1 U	NR	NR	NR	NR
Methylene Chloride	5	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Butylbenzene	5	0.2 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	**5**	0.49 J	1.3 J	1.2 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.59 J	0.61 J	2.5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U	0.79 J	0.79 J
T-Butylbenzene	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Alcohol	NS	0.5 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tert-Butyl Methyl Ether	10	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ
Tetrachloroethylene (PCE)	5	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	**5**	0.84	0.89 J	0.82 J	0.85 J	2.5 U	2.5 U	0.77 J	2.5 UJ	0.95 J	0.9 J	0.72 J	0.79 J	1.3 J	1.1 J
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	NR	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	NR	NR	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	NS	0.2 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ
Trans-1,4-Dichloro-2-Butene	5	NR	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethylene (TCE)	5	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	0.41 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ
Vinyl Acetate	NS	NR	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ	NR	NR	5 U	5 U	5 U	5 U
Vinyl Chloride	2	0.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	NS	1.04 J	2.4 J	2.2 J	0.76 J	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U	1.1 J	1.1 J
Total Petroleum Hydrocarbons (TPH)	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
TPH - Diesel Range Organics (C10 - C28)	NS	NT	429	469	288	303	237	427	294	NR	NR	319	305	396 H	392 H
TPH - Oil Range Organics	NS	NT	26.6	23.7	18.5	27.7	7.41 J	72.4	42.9	NR	NR	11 U	10.9 U	10.7 U	10.8 U

Table 2
Newtown Creek Bud Site – North Block
2-21 Malt Drive, Long Island City, NY
Post-Remedial Groundwater Concentrations Over Time
VOCs and TPH

AKRF Sample ID		MW-02_20250627	MW-0X_20250627	MW-02_20251112	MW-0X_20251112
Laboratory Sample ID		L2540768-02	L2540768-04	L2572138-02	L2572138-04
Date Sampled		6/27/2025	6/27/2025	11/12/2025	11/12/2025
Unit		µg/L	µg/L	1	1
Dilution Factor		1	1	µg/L	µg/L
Volatile Organic Compounds (VOCs)	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1,2-Tetrachloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	5	NR	NR	NR	NR
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.5 UJ	0.5 UJ	0.5 U	0.5 U
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	1.5 J	1.5 J
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	**5**	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	NS	2 U	2 U	2 U	2 U
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	5 UJ	5 UJ	5 U	5 U
4-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	NS	2 U	2 U	2 U	2 U
Acetone	50	5 U	5 U	1.9 J	5 U
Acrolein	5	NR	NR	NR	NR
Acrylonitrile	5	5 UJ	5 UJ	5 R	5 R
Benzene	**1**	**2.5**	**2.4**	**3.3**	**2.9**
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	2 U	2 U	2 U	2 U
Bromomethane	5	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
Carbon Disulfide	60	5 UJ	5 UJ	5 U	5 U
Carbon Tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	2.5 U	2.5 UJ	2.5 UJ
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	NS	NR	NR	NR	NR
Cymene	5	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	5 U	5 U	5 U	5 U
Dichloroethylenes	NS	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	NS	2.5 UJ	2.5 UJ	2.5 U	2.5 U
Ethylbenzene	**5**	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	2.5 U	2.5 U	2.5 U	2.5 U
M,P-Xylenes	**5**	1.1 J	1.1 J	2.5 U	2.5 U
Methyl Acetate	NS	NR	NR	NR	NR
Methyl Ethyl Ketone (2-Butanone)	50	5 UJ	5 UJ	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5 UJ	5 UJ	5 U	5 U
Methylcyclohexane	NS	NR	NR	NR	NR
Methylene Chloride	5	2.5 U	2.5 U	2.5 U	2.5 U
N-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	**5**	2.5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	0.79 J	0.79 J	2.5 U	2.5 U
T-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Alcohol	NS	NR	NR	NR	NR
Tert-Butyl Methyl Ether	10	2.5 UJ	2.5 UJ	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	**5**	1.3 J	1.1 J	1.4 J	1.4 J
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	NS	0.5 UJ	0.5 UJ	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethylene (TCE)	5	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 UJ	2.5 UJ	2.5 U	2.5 U
Vinyl Acetate	NS	5 U	5 U	5 U	5 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U
Xylenes, Total	NS	1.1 J	1.1 J	2.5 U	2.5 U
Total Petroleum Hydrocarbons (TPH)	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q
TPH - Diesel Range Organics (C10 - C28)	NS	396 H	392 H	337	345
TPH - Oil Range Organics	NS	10.7 U	10.8 U	30.6 H	45.3 H

Table 2
Newtown Creek Bud Site – North Block
2-21 Malt Drive, Long Island City, NY
Post-Remedial Groundwater Concentrations Over Time
VOCs and TPH

AKRF Sample ID		MW-03_20221201	MW-03_20240304	MW-3_20240612	MW-03_20240816	MW-03_20241018	MW-03_20250127	MW-03_20250407	MW-03_20250627	MW-03_20250627	MW-03_20251112
Laboratory Sample ID		22L0110-01	L2411621-03	L2433259-06	L2446856-03	L2460992-01	460-319369-1	L2521120-03	L2540768-01	L2540768-01	L2572138-03
Date Sampled		12/01/2022	3/04/2024	6/12/2024	8/16/2024	10/18/2024	1/27/2025	4/07/2025	6/27/2025	6/27/2025	11/12/2025
Unit		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Dilution Factor		1	1	1	1	1	1	1	1	1	1
Volatile Organic Compounds (VOCs)	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1,2-Tetrachloroethane	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	5	0.2 U	NR	NR	NR	NR	1 U	NR	NR	NR	NR
1,1,2-Trichloroethane	1	0.2 U	1.5 U	1.5 U	1.5 U	1.5 U	1 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U
1,1-Dichloropropene	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 UJ	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	NR	2 U	2 U	2 U	2 U	NR	2 U	2 U	2 U	2 UJ
1,2,4-Trichlorobenzene	5	NR	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	**5**	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	NR	2.5 UJ	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	NR	2 U	2 U	2 U	2 U	1 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	NR	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	0.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	NR	NR	NR	NR	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	NR	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	NS	NR	2 U	2 U	2 U	2 U	NR	2 U	2 U	2 U	2 U
2,2-Dichloropropane	5	0.2 UJ	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	0.2 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 U
4-Chlorotoluene	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	NS	NR	2 U	2 U	2 U	2 U	NR	2 U	2 U	2 U	2 U
Acetone	50	1 UJ	5 U	10	5 U	1.8 J	**340**	5 U	5 U	5 U	5 U
Acrolein	5	0.2 UJ	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acrylonitrile	5	0.2 U	5 U	5 U	5 U	5 U	NR	5 U	5 UJ	5 UJ	5 R
Benzene	**1**	0.2 U	0.5 U	0.5 U	0.5 U	0.5 UJ	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	0.2 U	2 UJ	2 UJ	2 U	2 U	1 U	2 U	2 U	2 U	2 U
Bromomethane	5	0.2 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 U	1 U	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
Carbon Disulfide	60	0.2 U	5 U	5 U	5 U	5 U	1 U	5 U	5 UJ	5 UJ	5 U
Carbon Tetrachloride	5	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 UJ
Chloroform	7	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	NS	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	NS	0.2 U	NR	NR	NR	NR	1 U	NR	NR	NR	NR
Cymene	5	NR	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	0.2 U	0.5 UJ	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	0.2 U	5 U	5 U	5 U	5 U	NR	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	0.2 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U
Dichloroethylenes	NS	NR	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	NS	NR	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 UJ	2.5 UJ	2.5 U
Ethylbenzene	**5**	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
M,P-Xylenes	**5**	0.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Acetate	NS	0.2 U	NR	NR	NR	NR	5 U	NR	NR	NR	NR
Methyl Ethyl Ketone (2-Butanone)	50	0.2 U	5 U	5 U	5 U	5 U	35	5 U	5 UJ	5 UJ	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	0.2 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 U
Methylcyclohexane	NS	0.2 U	NR	NR	NR	NR	1 U	NR	NR	NR	NR
Methylene Chloride	5	1 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Butylbenzene	5	0.2 UJ	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	**5**	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Alcohol	NS	0.98 U	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tert-Butyl Methyl Ether	10	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U
Tetrachloroethylene (PCE)	5	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	**5**	0.2 U	2.5 U	2.5 U	2.5 U	2.5 UJ	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	NR	0.5 U	0.5 U	0.5 UJ	0.5 U	NR	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	NS	0.2 U	0.5 U	0.5 U	0.5 UJ	0.5 U	1 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U
Trans-1,4-Dichloro-2-Butene	5	NR	2.5 UJ	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethylene (TCE)	5	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U
Vinyl Acetate	NS	NR	5 U	5 U	5 U	5 UJ	NR	5 U	5 U	5 U	5 U
Vinyl Chloride	2	0.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	NS	0.6 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U	2.5 U	2.5 U
Total Petroleum Hydrocarbons (TPH)	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
TPH - Diesel Range Organics (C10 - C28)	NS	75.8	116	288	70.7	115	520	110	29.1 U	29.1 U	104 H
TPH - Oil Range Organics	NS	2.8 U	23.5	18.5	2.66 U	22.6	100 U	11 U	10.7 U	10.7 U	35.7 H

Table 2
Newtown Creek Bud Site – North Block
2-21 Malt Drive, Long Island City, NY
Post-Remedial Groundwater Concentrations Over Time
VOCs and TPH

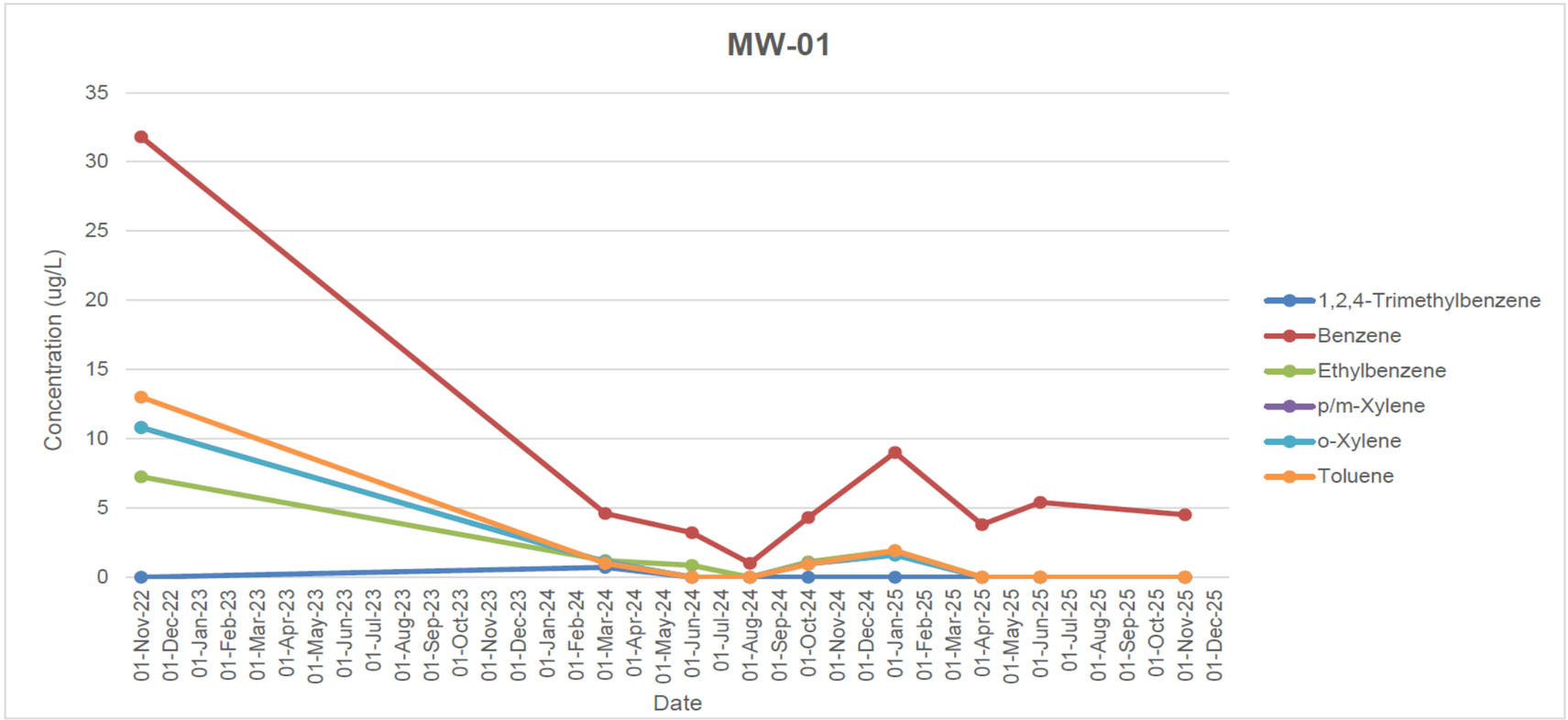


Table 2
Newtown Creek Bud Site – North Block
2-21 Malt Drive, Long Island City, NY
Post-Remedial Groundwater Concentrations Over Time
VOCs and TPH

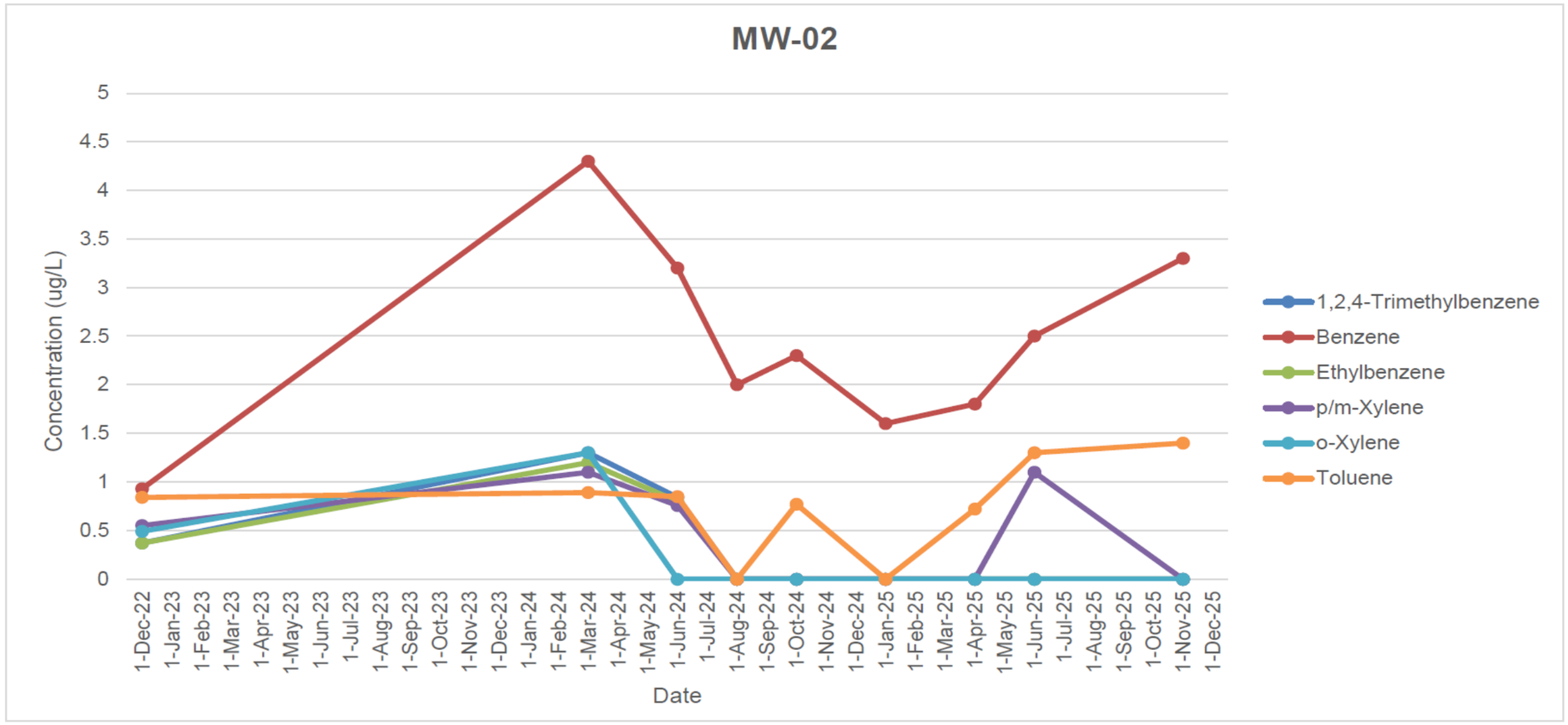
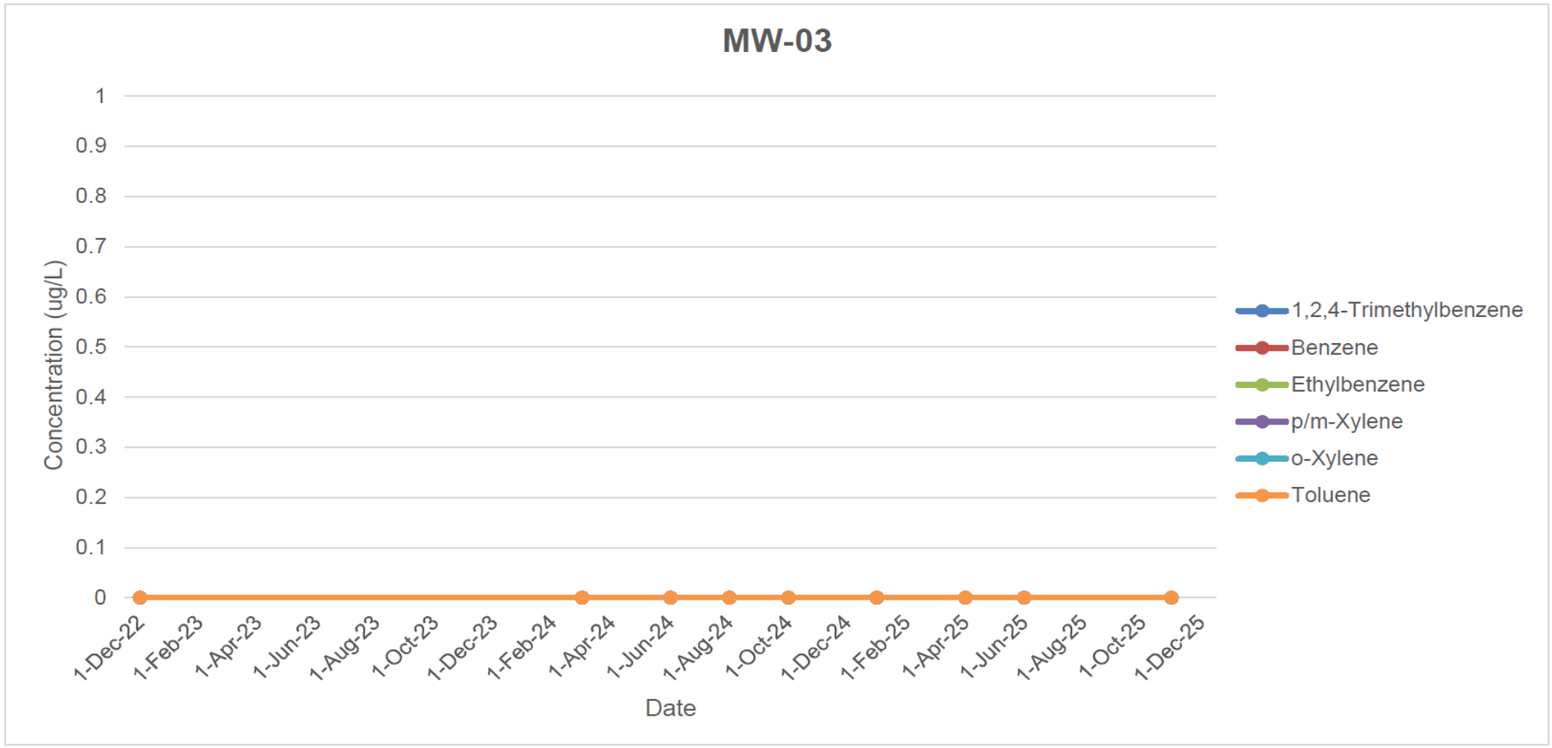


Table 2
Newtown Creek Bud Site – North Block
2-21 Malt Drive, Long Island City, NY
Post-Remedial Groundwater Concentrations Over Time
VOCs and TPH



Tables 1-2
Newtown Creek Bud Site – North Block
2-21 Malt Drive, Long Island City, NY
Post-Remedial Sampling
Notes

DEFINITIONS

D : Indicates an identified compound in an analysis that has been diluted. This flag alerts the data user to any differences between the concentrations reported in the two analyses.

H : Sample result is estimated and biased high.

J : The concentration given is an estimated value.

L : Sample result is estimated and biased low.

NR : Not reported.

NS : No standard.

NT : Not tested.

R : Indicates the reported result is unusable (note: the analyte may or may not be present).

U : The analyte was not detected at the indicated concentration.

UJ : The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise

µg/L : micrograms per liter

STANDARDS

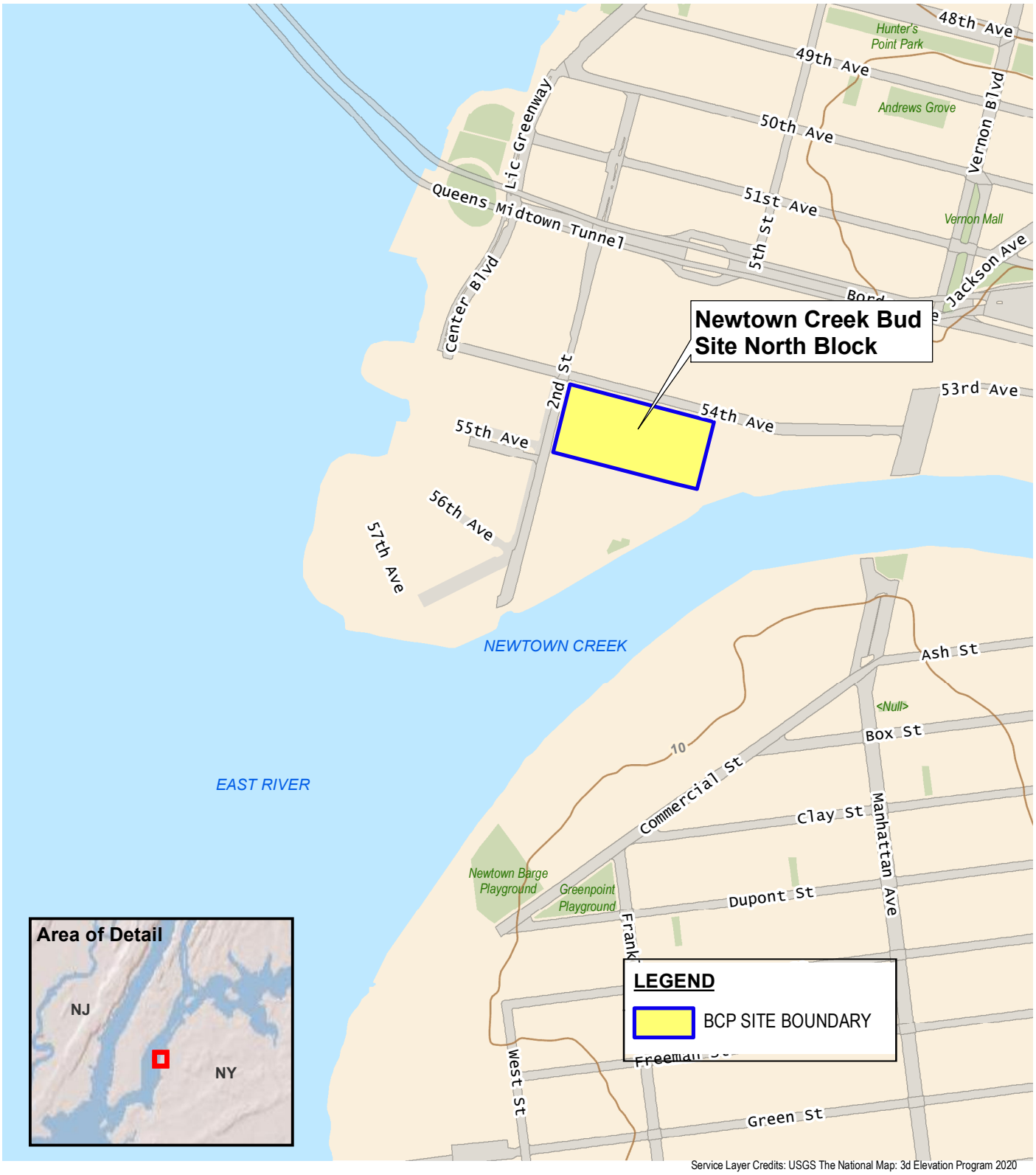
NYSDEC Class GA AWQSGVs : New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (1.1.1): Class GA Ambient Water Quality Standards and Guidance Values (AWQSGVs).

Exceedances of NYSDEC Class GA AWQSGVs are highlighted in bold font.

DUPLICATES

DUP-01_20221128 is a blind duplicate of sample MW-01_20221128
MW-0X_20240304 is a blind duplicate of sample MW-02_20240304
MW-X_20240612 is a blind duplicate of sample MW-1_20240612
MW-0X_20240816 is a duplicate of sample MW-03_20240816
MW-0X_20241018 is a blind duplicate of sample MW-02_20241018
MW-0X_20250122 is a blind duplicate of sample MW-02_20250122
MW-0X_20250407 is a blind duplicate of sample MW-02_20250407
MW-0X_20250627 is a blind duplicate of sample MW-02_20250627.
MW-0X_20251112 is a blind duplicate of sample MW-02_20251112.

FIGURES



AKRF
440 Park Avenue South, New York, NY 10016

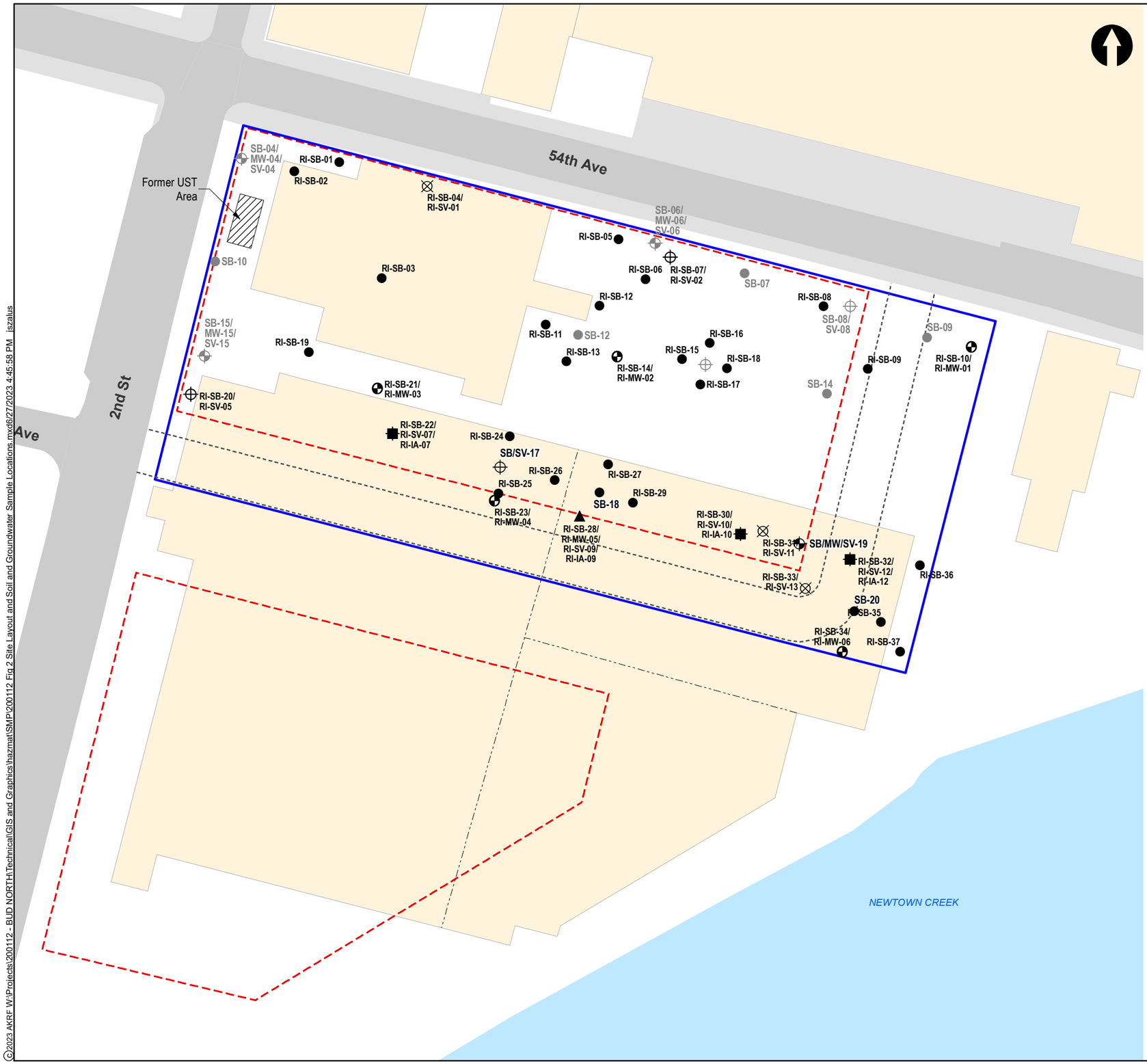
Newtown Creek Bud Site - North Block
2-10 54th Avenue - Long Island City, New York

BCP SITE LOCATION

DATE
11/29/2021

PROJECT NO.
200112

FIGURE
1



LEGEND

- BCP SITE AND ENVIRONMENTAL EASEMENT BOUNDARY
- NEW BUILDING FOOTPRINT
- FORMER BUILDING
- PREVIOUS SOIL BORING LOCATION
- PREVIOUS SOIL BORING/GROUNDWATER/SOIL VAPOR POINT LOCATION
- PREVIOUS SOIL BORING/SOIL VAPOR POINT LOCATION
- RI SOIL BORING
- RI SOIL BORING/MONITORING WELL
- RI SOIL BORING/MONITORING WELL/SOIL VAPOR POINT/INDOOR AIR SAMPLE LOCATION
- RI SOIL BORING/SUB-SLAB LOCATION
- RI SOIL BORING/SOIL VAPOR POINT
- RI SOIL BORING/SOIL VAPOR POINT/INDOOR

UST UNDERGROUND STORAGE TANK

0 25 50 75 100 125

SCALE IN FEET

AKRF
440 Park Avenue South, New York, NY 10016

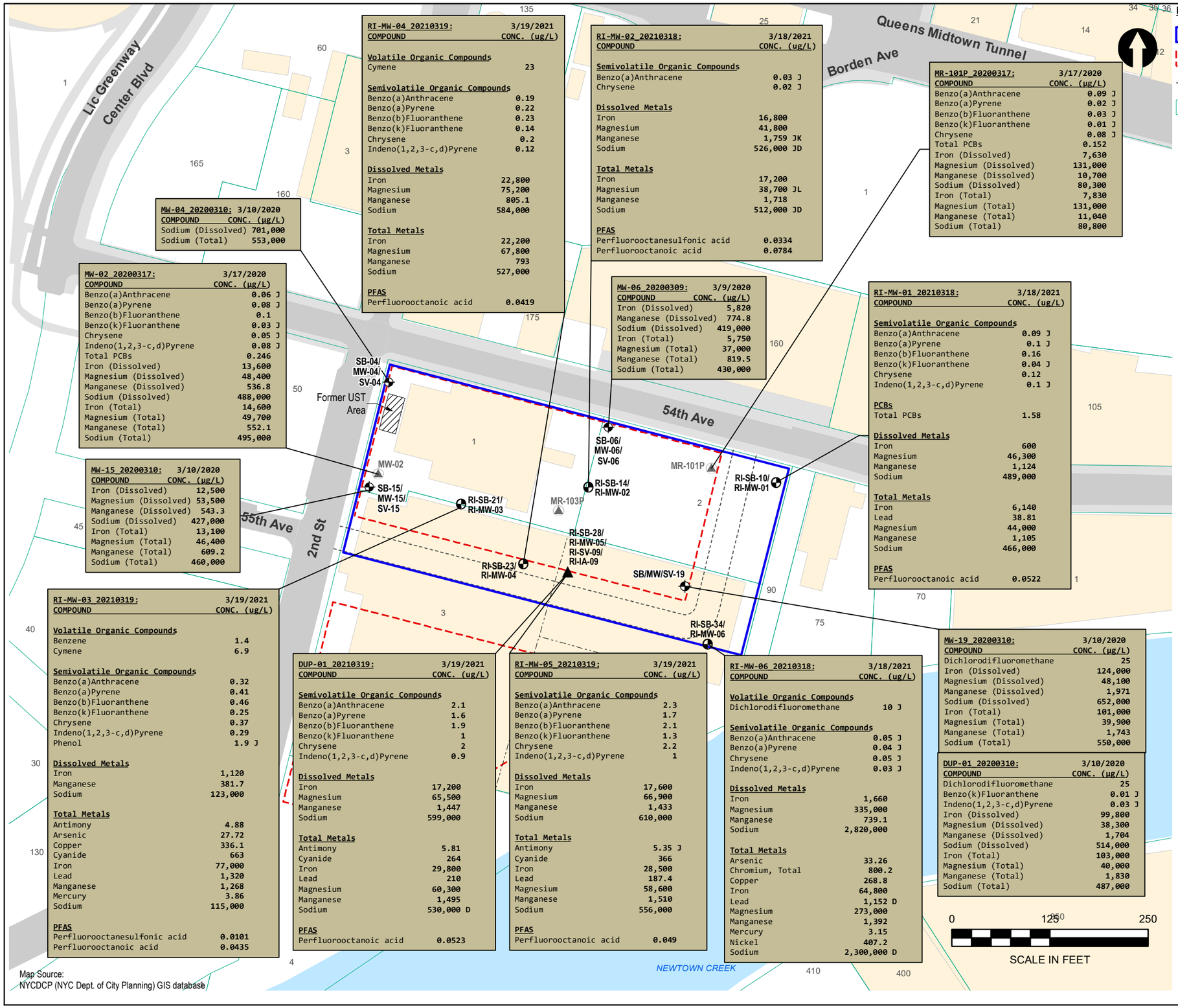
Newtown Creek Bud Site - North Block
2-21 Malt Drive - Long Island City, New York

SITE LAYOUT AND SOIL AND GROUNDWATER SAMPLE LOCATIONS

DATE
6/27/2023

PROJECT NO.
200112

FIGURE
2



RI-MW-04 20210319: 3/19/2021

COMPOUND	CONC. (ug/L)
Volatile Organic Compounds	
Cymene	23
Semivolatile Organic Compounds	
Benzo(a)Anthracene	0.19
Benzo(a)Pyrene	0.22
Benzo(b)Fluoranthene	0.23
Benzo(k)Fluoranthene	0.14
Chrysene	0.2
Indeno(1,2,3-c,d)Pyrene	0.12
Dissolved Metals	
Iron	22,800
Magnesium	75,200
Manganese	805.1
Sodium	584,000
Total Metals	
Iron	22,200
Magnesium	67,800
Manganese	793
Sodium	527,000
PFAS	
Perfluorooctanoic acid	0.0419

RI-MW-02 20210318: 3/18/2021

COMPOUND	CONC. (ug/L)
Semivolatile Organic Compounds	
Benzo(a)Anthracene	0.03 J
Chrysene	0.02 J
Dissolved Metals	
Iron	16,800
Magnesium	41,800
Manganese	1,759 JK
Sodium	526,000 JD
Total Metals	
Iron	17,200
Magnesium	38,700 JL
Manganese	1,718
Sodium	512,000 JD
PFAS	
Perfluorooctanesulfonic acid	0.0334
Perfluorooctanoic acid	0.0784

MR-101P 20200317: 3/17/2020

COMPOUND	CONC. (ug/L)
Benzo(a)Anthracene	0.09 J
Benzo(a)Pyrene	0.02 J
Benzo(b)Fluoranthene	0.03 J
Benzo(k)Fluoranthene	0.01 J
Chrysene	0.08 J
Total PCBs	0.152
Iron (Dissolved)	7,630
Magnesium (Dissolved)	131,000
Manganese (Dissolved)	10,700
Sodium (Dissolved)	80,300
Iron (Total)	7,830
Magnesium (Total)	131,000
Manganese (Total)	11,040
Sodium (Total)	80,800

MW-04 20200310: 3/10/2020

COMPOUND	CONC. (µg/L)
Sodium (Dissolved)	701,000
Sodium (Total)	553,000

MW-06 20200309: 3/9/2020

COMPOUND	CONC. (µg/L)
Iron (Dissolved)	5,820
Manganese (Dissolved)	774.8
Sodium (Dissolved)	419,000
Iron (Total)	5,750
Magnesium (Total)	37,000
Manganese (Total)	819.5
Sodium (Total)	430,000

RI-MW-01 20210318: 3/18/2021

COMPOUND	CONC. (ug/L)
Semivolatile Organic Compounds	
Benzo(a)Anthracene	0.09 J
Benzo(a)Pyrene	0.1 J
Benzo(b)Fluoranthene	0.16
Benzo(k)Fluoranthene	0.04 J
Chrysene	0.12
Indeno(1,2,3-c,d)Pyrene	0.1 J
PCBs	
Total PCBs	1.58
Dissolved Metals	
Iron	600
Magnesium	46,300
Manganese	1,124
Sodium	489,000
Total Metals	
Iron	6,140
Lead	38.81
Magnesium	44,000
Manganese	1,105
Sodium	466,000
PFAS	
Perfluorooctanoic acid	0.0522

MW-02 20200317: 3/17/2020

COMPOUND	CONC. (µg/L)
Benzo(a)Anthracene	0.06 J
Benzo(a)Pyrene	0.08 J
Benzo(b)Fluoranthene	0.1
Benzo(k)Fluoranthene	0.03 J
Chrysene	0.05 J
Indeno(1,2,3-c,d)Pyrene	0.08 J
Total PCBs	0.246
Iron (Dissolved)	13,600
Magnesium (Dissolved)	48,400
Manganese (Dissolved)	536.8
Sodium (Dissolved)	488,000
Iron (Total)	14,600
Magnesium (Total)	49,700
Manganese (Total)	552.1
Sodium (Total)	495,000

MW-15 20200310: 3/10/2020

COMPOUND	CONC. (µg/L)
Iron (Dissolved)	12,500
Magnesium (Dissolved)	53,500
Manganese (Dissolved)	543.3
Sodium (Dissolved)	427,000
Iron (Total)	13,100
Magnesium (Total)	46,400
Manganese (Total)	609.2
Sodium (Total)	460,000

RI-MW-03 20210319: 3/19/2021

COMPOUND	CONC. (ug/L)
Volatile Organic Compounds	
Benzene	1.4
Cymene	6.9
Semivolatile Organic Compounds	
Benzo(a)Anthracene	0.32
Benzo(a)Pyrene	0.41
Benzo(b)Fluoranthene	0.46
Benzo(k)Fluoranthene	0.25
Chrysene	0.37
Indeno(1,2,3-c,d)Pyrene	0.29
Phenol	1.9 J
Dissolved Metals	
Iron	1,120
Manganese	381.7
Sodium	123,000
Total Metals	
Antimony	4.88
Arsenic	27.72
Copper	336.1
Cyanide	663
Iron	77,000
Lead	1,320
Manganese	1,268
Mercury	3.86
Sodium	115,000
PFAS	
Perfluorooctanesulfonic acid	0.0101
Perfluorooctanoic acid	0.0435

DUP-01 20210319: 3/19/2021

COMPOUND	CONC. (ug/L)
Semivolatile Organic Compounds	
Benzo(a)Anthracene	2.1
Benzo(a)Pyrene	1.6
Benzo(b)Fluoranthene	1.9
Benzo(k)Fluoranthene	1
Chrysene	2
Indeno(1,2,3-c,d)Pyrene	0.9
Dissolved Metals	
Iron	17,200
Magnesium	65,500
Manganese	1,447
Sodium	599,000
Total Metals	
Antimony	5.81
Cyanide	264
Iron	29,800
Lead	210
Magnesium	60,300
Manganese	1,495
Sodium	530,000 D
PFAS	
Perfluorooctanoic acid	0.0523

RI-MW-05 20210319: 3/19/2021

COMPOUND	CONC. (ug/L)
Semivolatile Organic Compounds	
Benzo(a)Anthracene	2.3
Benzo(a)Pyrene	1.7
Benzo(b)Fluoranthene	2.1
Benzo(k)Fluoranthene	1.3
Chrysene	2.2
Indeno(1,2,3-c,d)Pyrene	1
Dissolved Metals	
Iron	17,600
Magnesium	66,900
Manganese	1,433
Sodium	610,000
Total Metals	
Antimony	5.35 J
Cyanide	366
Iron	28,500
Lead	187.4
Magnesium	58,600
Manganese	1,510
Sodium	556,000
PFAS	
Perfluorooctanoic acid	0.049

RI-MW-06 20210318: 3/18/2021

COMPOUND	CONC. (ug/L)
Volatile Organic Compounds	
Dichlorodifluoromethane	10 J
Semivolatile Organic Compounds	
Benzo(a)Anthracene	0.05 J
Benzo(a)Pyrene	0.04 J
Chrysene	0.05 J
Indeno(1,2,3-c,d)Pyrene	0.03 J
Dissolved Metals	
Iron	1,660
Magnesium	335,000
Manganese	739.1
Sodium	2,820,000
Total Metals	
Arsenic	33.26
Chromium, Total	800.2
Copper	268.8
Iron	64,800
Lead	1,152 D
Magnesium	273,000
Manganese	1,392
Mercury	3.15
Nickel	407.2
Sodium	2,300,000 D

MW-19 20200310: 3/10/2020

COMPOUND	CONC. (µg/L)
Dichlorodifluoromethane	25
Iron (Dissolved)	124,000
Magnesium (Dissolved)	48,100
Manganese (Dissolved)	1,971
Sodium (Dissolved)	652,000
Iron (Total)	101,000
Magnesium (Total)	39,900
Manganese (Total)	1,743
Sodium (Total)	550,000

DUP-01 20200310: 3/10/2020

COMPOUND	CONC. (µg/L)
Dichlorodifluoromethane	25
Benzo(k)Fluoranthene	0.01 J
Indeno(1,2,3-c,d)Pyrene	0.03 J
Iron (Dissolved)	99,800
Magnesium (Dissolved)	38,300
Manganese (Dissolved)	1,704
Sodium (Dissolved)	514,000
Iron (Total)	103,000
Magnesium (Total)	40,000
Manganese (Total)	1,830
Sodium (Total)	487,000

Map Source:
NYCDCP (NYC Dept. of City Planning) GIS database

LEGEND

- BCP SITE BOUNDARY
- PROPOSED BUILDING FOOTPRINT
- APPROXIMATE LOCATION OF PROPOSED ROAD
- LOT BOUNDARY
- EXISTING MONITORING WELL LOCATION
- SOIL BORING/GROUNDWATER/SOIL VAPOR WITHIN PLANNED BUILDING FOOTPRINT
- RI SOIL BORING/MONITORING WELL
- RI SOIL BORING/MONITORING WELL/SOIL VAPOR POINT/INDOOR AIR SAMPLE LOCATION

NYSDEC TOGS Class GA Ambient Water Quality Standard and Guidance Values (AWQSGVs) and/or Screening Levels:

New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) (1.1.1):

µg/L: micrograms per Liter = parts per billion (ppb)

PFOA: Perfluorooctanoic acid
PFAS: Per- and polyfluoroalkyl substances

Only Exceedances of NYSDEC AWQSGVs are shown in bold font.

J: The concentration given is an estimated value.
D: Indicates an identified compound in an analysis that has been diluted. This flag alerts the data user to any differences between the concentrations reported in the two analyses.
K: Reported concentration value is proportional to dilution factor and may be exaggerated
L: Sample result is estimated and biased low.

DUP-01_20210319 is a blind duplicate of sample RI-MW-05_20210319

	NYSDEC AWQSGVs ug/l	NYSDEC PFAS Screening Levels ug/l
Volatile Organic Compounds		
Benzene	1	
Cymene	5	
Dichlorodifluoromethane	5	
Semivolatile Organic Compounds		
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-c,d)Pyrene	0.002	
Phenol	1	
PCBs		
Total PCBs	0.09	
Metals		
Antimony	3	
Arsenic	25	
Chromium, Total	50	
Copper	200	
Cyanide	200	
Iron	300	
Lead	25	
Magnesium	35,000	
Manganese	300	
Mercury	0.7	
Nickel	100	
Sodium	20,000	
PFAS		
Perfluorooctanesulfonic acid		0.01
Perfluorooctanoic acid		0.01

Sample ID — Sample Date

MW-04 20200310: 3/10/2020

COMPOUND	CONC. (µg/L)
Sodium (Dissolved)	701,000
Sodium (Total)	553,000

Analyte/Compound — Concentration

AKRF
440 Park Avenue South, New York, NY 10016

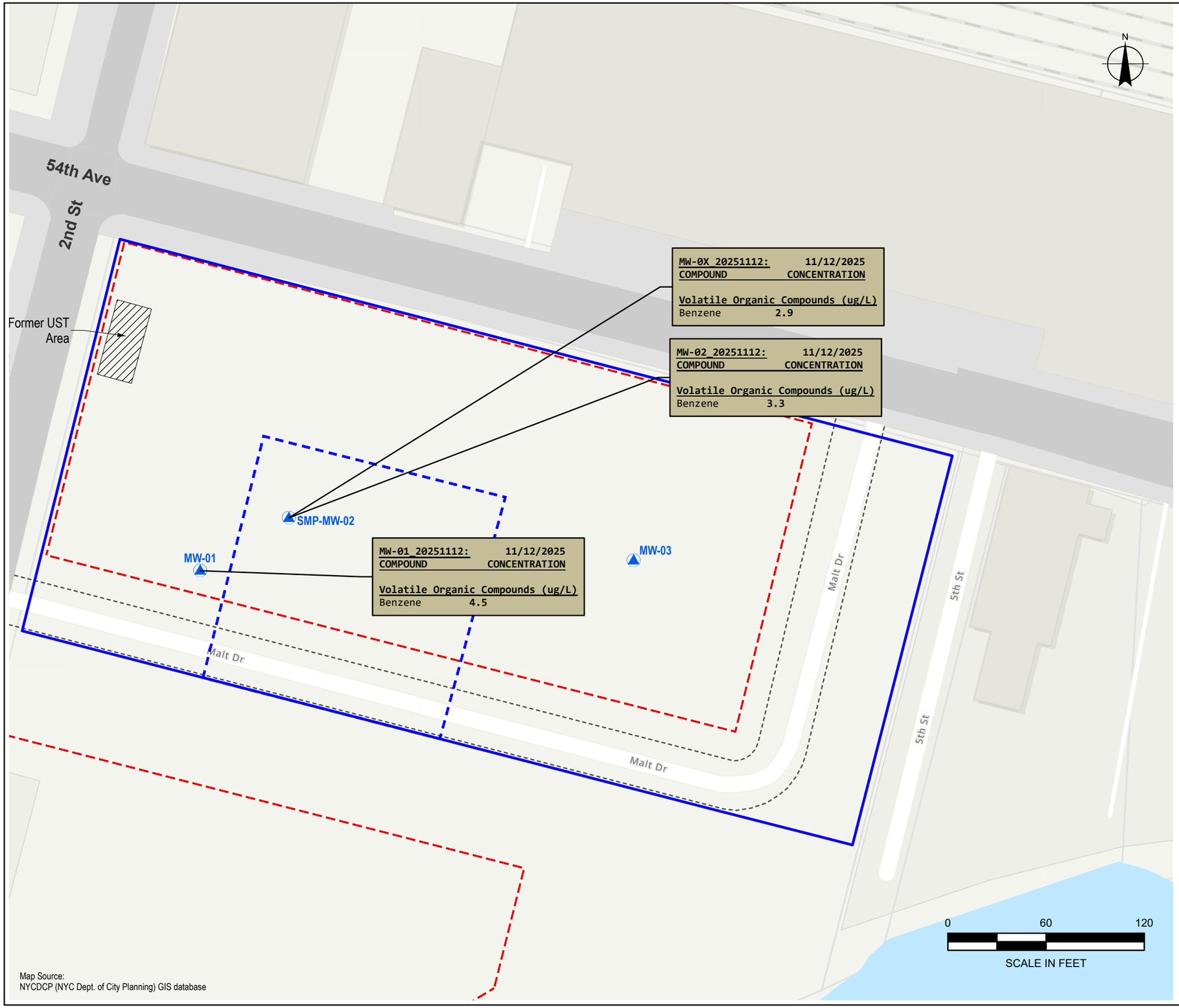
Newtown Creek Bud Site - North Block
2-10 54th Avenue - Long Island City, New York

RI Groundwater Sample Concentrations Above AWQSGVs and Screening Levels

DATE
4/9/2024

PROJECT NO.
200112

FIGURE
3



LEGEND

- BCP SITE BOUNDARY
- NEW BUILDING FOOTPRINT
- GROUNDWATER MONITORING WELL LOCATION
- GROUNDWATER TREATMENT AREA

NYSDEC TOGS Class GA Ambient Water Quality Standard and Guidance Values (AWQSGVs)

New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) (1.1.1): April 2023

µg/L: micrograms per Liter = parts per billion (ppb)
ppt parts per trillion(ppt)

Only Exceedances of NYSDEC AWQSGVs are shown in bold font.

J: The concentration given is an estimated value.

MW-0X_20250122 is a blind duplicate of sample MW-02_20250122

Sample ID — Sample Date

MW-04_20200310: 3/10/2020
COMPOUND CONC. (µg/L)
Sodium (Dissolved) **701,000**
Sodium (Total) **553,000**

Analyte/Compound — Concentration

akrf
440 Park Avenue South, New York, NY 10016

Newtown Creek Bud Site - North Block
2-21 Malt Drive - Long Island City, New York

Post-Remediation Groundwater Sample Analytical Results Above AWQSGVs - November 2025

DATE
10/24/2025

PROJECT NO.
200112

FIGURE
4

ATTACHMENT A
GROUNDWATER SAMPLING LOGS

AKRF

410 Fifth Avenue South, 11th Floor
New York, NY 10018

Groundwater Monitoring Well Sampling Log

Page X of X

Project Name:	BUD North		Client:	TFC
Project Location:	2-21 Holt Drive		Sampled By:	M. Bates
Project Number:	200112		Sampling Date:	11/12/25
Headspace PID:			Sampling Time:	1620
Total Well Depth:	~~16.91~~ 16.91*	ft. below top of casing	Water Column:	0 feet
Depth to Water:	9.01*	ft. below top of casing	Well Volume*:	0 gallons
Product Thickness:		ft. below top of casing	Volume Purged:	gallons
Depth to Top of Screen:		ft. below top of casing	Well Diameter:	2 inches
Depth to Bottom of Screen:		ft. below top of casing	Purging Device:	peri pump
Approximate Pump Intake:		ft. below top of casing		

Well ID: MW-01

*= 0.041 * WC for 1" wells
*= 0.163 * WC for 2" wells
*= 0.653 * WC for 4" wells

The target maximum flow rate is 1 L/min. If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU with low flow, minimum purging prior to collection.

Time	Depth to Water (ft.) *	Purge Rate (ml/min)	Temperature (C)	Conductivity mS/cm	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
1535	9.22	100	19.1	2.463	.98	8.14	-326.2	8.04	*well 1.53 ft BSG
1540	9.37	100	19.2	2.402	.31	8.26	-336.4	5.52	
1545	9.68	100	19.3	2.266	.18	8.07	-333.5	5.74	
1550	9.94	100	19.4	2.181	.12	8.01	-341.4	3.47	
1555	10.1	100	19.4	2.135	.10	8.12	-357.5	4.44	MS/MSD Collected
1600	10.26	100	19.4	2.208	.08	8.08	-360.8	4.08	
1605	10.22	100	19.3	2.321	.07	8.11	-367.4	4.60	
1610	10.25	100	19.3	2.345	.06	8.16	-373.6	4.60	
1615	10.30	100	19.3	2.343	.06	8.20	-376.0	5.81	

Sampling

Stabilization Criteria:		+/- 3% mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU
Notes:	ORP - oxidation reduction potential; mV - millivolts; NTU - nephelometric turbidity units; ml/min - milliliter per minute; mS/cm - MilliSiemens per centimeter; mg/L - milligrams per liter; Groundwater samples analyzed for					

2

akrf
440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Sampling Log

Project Name:	BUD North		Client:		Well ID:
Project Location:	2-21 Malt Drive		Sampled By:	M. Bates	MW-02
Project Number:	200112		Sampling Date:	11/12/25	
Headspace PID:			Sampling Time:	1430	
Total Well Depth:	15.23	ft. below top of casing	Water Column:	0 feet	* = 0.041 * WC for 1" wells
Depth to Water:	13.88	ft. below top of casing	Well Volume*:	0 gallons	* = 0.163 * WC for 2" wells
Product Thickness:		ft. below top of casing	Volume Purged:	gallons	* = 0.653 * WC for 4" wells
Depth to Top of Screen:		ft. below top of casing	Well Diameter:	2 inches	
Depth to Bottom of Screen:		ft. below top of casing	Purging Device:	Peri pump	The target maximum flow rate is 500 ml/min. If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.
Approximate Pump Intake		ft. below top of casing			

Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temperature (°C)	Conductivity mS/cm	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
1355	14.03	100	19.1	2.543	1.31	8.69	-379.0	20.24	
1400	14.06	100	19.1	2.364	0.80	9.19	-402.6	45.27	DUP collected
1405	14.06	100	19.3	2.237	.73	9.32	-407.0	36.43	
1410	14.06	100	19.4	2.026	.70	8.93	-382.2	38.56	Rotten egg/
1415	14.07	100	19.5	1.975	.66	8.51	-365.6	22.03	
1420	14.05	100	19.6	1.971	.62	8.34	-361.2	18.01	-Anoxic smell
1425	14.04	100	19.6	1.976	.64	8.31	-360.8	14.72	in purge water
									-Dark sediment seen at beginning of purge
				MB					
				Sampling					
	Stabilization Criteria:			+/- 3% mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	

Notes: ORP - oxidation reduction potential; mV - millivolt; NTU - nephelometric turbidity units; ml/min - milliliter per minute; mS/cm - MilliSiemens per centimeter; mg/L - milligrams per liter

Groundwater samples analyzed for:

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Sampling Log

Page X of X

Project Name:	BUD North		Client:		Well ID:
Project Location:	2-21 Malt Drive		Sampled By:	M. Bates	MW-03
Project Number:	200122		Sampling Date:	11/12/25	
Headspace PID:			Sampling Time:	1250	
Total Well Depth:	19.73	ft. below top of casing	Water Column:	0 feet	*= 0.041 * WC for 1" wells
Depth to Water:	13.78	ft. below top of casing	Well Volume*:	0 gallons	*= 0.163 * WC for 2" wells
Product Thickness:		ft. below top of casing	Volume Purged:	gallons	*= 0.653 * WC for 4" wells
Depth to Top of Screen:		ft. below top of casing	Well Diameter:	2 inches	The largest maximum flow rate is 100 ml/min. If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours of start in purging, collect sample.
Depth to Bottom of Screen:		ft. below top of casing	Purging Device:	Peri pump	
Approximate Pump Intake:		ft. below top of casing			

Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temperature (C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
~~1145~~	~~13.44~~	~~100~~	~~20.2~~	~~3.589~~	~~.64~~	~~6.10~~	~~-~~		
1210	13.88	100	21.0	3.783	1.54	5.96	-188.2	100.08	- Anoxic/
1215	13.98	100	20.6	3.736	.41	5.92	-253.8	72.24	Rotten
1220	14.01	100	20.5	3.657	.26	6.08	-298.8	42.22	Smell from
1225	14.01	100	20.5	3.647	.26	6.09	-299.7	40.63	Purge water
1230	13.94	100	20.5	3.545	.22	6.14	-312.0	25.79	
1235	14.00	100	20.6	3.510	.20	6.16	-321.0	25.78	
1240	14.01	100	20.6	3.499	.18	6.18	-324.3	23.94	
1245	14.01	100	20.6	3.494	.18	6.20	-324.8	22.18	

MB

Sampling

Stabilization Criteria:	+/- 3% mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	

Notes: ORP - oxidation reduction potential; mV - millivolts; NTU - nephelometric turbidity units; ml/min - milliliter per minute; mS/cm - milliSiemens per centimeter; mg/L - milligrams per liter

Groundwater samples analyzed for:

ATTACHMENT B
LABORATORY DATA REPORTS AND DUSRS

January 19, 2026

Mr. Patrick Diggins
AKRF
440 Park Avenue South
7th Floor
New York, NY 10016

Re: Data Usability Summary Report – Pace Analytical Services – L2571737

Dear Mr. Diggins:

The evaluation of the analytical data by Pace Analytical Services for four water samples, one field blank and one trip blank from the Queens Animal Shelter site, which were reported in a single data package under Job No. L2571737 has been completed. The following samples were reported:

MW-05B_20251111	MW-06B_20251111
MW-08B_20251111	MW-0X_20251111
FB_20251111	TB_20251111

Analyses were performed in accordance with USEPA Method 8260D (Volatile Organics). The review was performed to the extent possible, in accordance with the analytical methods and "DER-10/ Technical Guidance for Site Investigation and Remediation." Professional judgment is applied as necessary and appropriate. Qualifiers consistent with those defined by EPA Region 2 are applied as necessary and appropriate.

Below is the Data Usability Summary Report (DUSR) associated with these samples.

Data Usability Summary Report	
1. Is the data package complete as defined under the requirements for the most current DEC ASP Category B or USEPA CLP data deliverables?	Yes
2. Have all holding times been met?	Yes
3. Do all the QC data; blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?	No -see following sections
4. Have all of the data been generated using established and agreed upon analytical protocols?	No - see Holding Times, Preservation, Sample Integrity Section

5. Does an evaluation of the raw data confirm the results provided in the data summary sheet and the quality control verification forms?	Yes
6. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?	Yes
7. Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheet from the data package been attached to the DUSR?	Yes

Overall Evaluation

Based on the data review effort, results are usable with qualifications noted below. In these sections of this report, only those quality excursions resulting in qualified data are discussed. Quality control excursions having no impact on sample results are not discussed.

For samples that are qualified as estimated (J-, UJ), detected results may be biased low. False negatives may exist in non-detect results. Sample results that are qualified as estimated (J+) may be biased high. For samples that are qualified as estimated with any combination of (J), (J-) and/or (J+), the (J) qualifier takes precedence and is applied to the sample result. It is not possible to determine the direction of the bias and the overall effect on the result. Where a sample result is rejected (R) the 'R' qualifier takes precedence over any other qualification.

Volatile Organics

- The non-detect results for acrylonitrile in all samples are rejected (R) due to improper sample preservation.

- The results for chloromethane and 1,4-dioxane in all samples are qualified as estimated (UJ) due to low response in the continuing calibration verification (CCV) standard.

Qualifier definitions are provided in Attachment A. A copy of the chain of custody record is provided in Attachment B. Pages from the data package illustrating the exceedances and issues described in this validation report are included in Attachment C.

The following components were reviewed, where applicable:

- Chain of Custody
- Receiving conditions
- Holding times
- Preservation
- Analyte lists
- Reporting limits
- Requested methods
- Units, and

- Sample related quality control data:
  - Method blanks
  - Field blanks
  - Trip blanks
  - Surrogate recoveries
  - LCS/LCSD recoveries
  - MS/MSD recoveries
  - Internal standards
  - Duplicates
- Instrument related quality control data:
  - Instrument tunes
  - Calibration summaries

In the remaining sections of this report, only those quality excursions resulting in qualified data are discussed below. Quality control excursions having no impact on sample results are not discussed.

Documentation: A completeness review of the data package was performed, and the data package was determined to be a complete Category B data package.

Holding Times, Preservation, Sample Integrity:

A copy of the applicable chain of custody (COC) record was included in the data package, documenting sample collection date of November 11, 2025. The samples were received at the laboratory on the same day as sample collection. All samples were received intact, properly preserved and analyzed within method holding time, with the exception of preservation for acrylonitrile. Acrylonitrile requires preservation at pH 4-5 because the analyte is highly reactive. The pH of all samples is documented as pH=2. The non-detect result for acrylonitrile in all samples is rejected (R) due to improper sample preservation.

A. Volatile Organics

1. Calibration

One initial calibration (IC) was performed in support of the sample analyses. All relative response factors (RRFs) and relative standard deviations (RSDs) or correlation coefficients (r2) are acceptable. A second source ICV standard was analyzed after the IC, and all percent differences are acceptable (≤30%D). One CCV was analyzed in support of sample analysis, and all percent differences (%Ds) are acceptable (<20%D), with the exception noted below.

Analyte	%D	Associated Sample	Qualifier Applied
CCV VOA105 11/20/25 20:52			
Chloromethane	25.9	MW-05B_20251111 MW-06B_20251111 MW-08B_20251111 MW-0X_20251111 FB_20251111 TB_20251111	UJ
1,4-Dioxane	24.3		

The percent differences represent a decrease in instrument sensitivity. The results for chloromethane and 1,4-dixoane in all samples are qualified as estimated (UJ) due to low response in the CCV.

2. Field Duplicates

MW-0X_20251111 was submitted as a field duplicate of MW-05B_20251111. No target analytes are detected in either sample.

No other sample results are qualified. Please feel free to contact me at (908) 370-3431 or jlrenvconsulting@outlook.com if you have any questions regarding this data package review report or need further information.
Sincerely,

Jeri L Rossi, CEAC
Environmental Consulting Chemist

ATTACHMENT A

Qualifier Definitions

EPA Qualifier Definitions

U The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.

J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J+ The result is an estimated quantity, but the result may be biased high.

J- The result is an estimated quantity, but the result may be biased low.

NJ The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value is the estimated concentration in the sample.

UJ The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

R The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

ATTACHMENT B

CHAIN OF CUSTODY (COC)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 11/12/25

ALPHA Job #: L2571737

Client Information
Client: AHF
Address: 440 Park Ave S
Phone:
Fax:
Email: JDiggins@AHF.com

Project Information
Project Name: Queens Animal Shelter
Project Location: 151 Woodward Ave
Project #: 160271
(Use Project name as Project #) ☐
Project Manager: Patrick Diggins
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☒ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
AHF EQuIS, CatB, Close SDG

Please specify Metals or TAL.

ANALYSIS
S260 VOC

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	S260 VOC	Sample Specific Comments	Total Bottle
71737-01	MW-05B_20251111	11/11/25	1325	GW	MB	X		3
-02	MW-06B_20251111	"	1220	"	"	X		3
-03	MW-08B_20251111	"	~~1300~~ 1335	"	"	X	MS/MSD	4
-04	MW-DX_20251111	"	1200	"	"	X		3
-05	FB_20251111	"	1345	W	"	X		3
-06	TB_20251111	—	—	"	"	X		2

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Relinquished By:	Date/Time	Received By:	Date/Time
Mike Bates	11/12/25 1020	[illegible]	11/12/25 10:20
R. Adams	11/12/25 13:50	NJSC	11/12/25 13:50
Paul Mazzella	11/12/25	Paul Mazzella	11/12/25 1700
[illegible]	11/12/25 2350	[illegible]	11/12/25 2350

Form No: 01-25 HC (rev. 30-Sept-2013)

11/12/25-2350

ATTACHMENT C

SELECTED PAGES FROM DATA PACKAGE –
QC EXCEEDANCES AND VALIDATION ISSUES

Calibration Verification Summary
Form 7
Volatiles

Client	: AKRF, Inc.		Lab Number	: L2571737	
Project Name	: QUEENS ANIMAL SHELTER		Project Number	: 180291	
Instrument ID	: VOA105		Calibration Date	: 11/20/25 20:52	
Lab File ID	: V05251120N02		Init. Calib. Date(s)	: 11/07/25	11/07/25
Sample No	: WG2144978-2		Init. Calib. Times	: 14:37	19:04
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	103	0
Dichlorodifluoromethane	0.335	0.28	-	16.4	20	86	0
Chloromethane	0.448	0.332	-	25.9*	20	74	0
Vinyl chloride	0.343	0.313	-	8.7	20	93	0
Bromomethane	10	10.555	-	-5.5	20	131	0
Chloroethane	0.195	0.194	-	0.5	20	96	0
Trichlorofluoromethane	0.414	0.39	-	5.8	20	92	0
Ethyl ether	0.109	0.093	-	14.7	20	86	0
1,1-Dichloroethene	0.201	0.174	-	13.4	20	87	0
Carbon disulfide	0.703	0.599	-	14.8	20	86	0
Freon-113	0.208	0.195	-	6.2	20	92	0
Acrolein	0.031	0.029	-	6.5	20	96	0
Methylene chloride	0.245	0.229	-	6.5	20	94	0
Acetone	0.051	0.048	-	5.9	20	110	0
trans-1,2-Dichloroethene	0.242	0.229	-	5.4	20	94	0
Methyl acetate	0.114	0.111	-	2.6	20	107	0
Methyl tert-butyl ether	0.533	0.482	-	9.6	20	95	0
tert-Butyl alcohol	0.012	0.01	-	16.7	20	92	0
Diisopropyl ether	0.949	0.881	-	7.2	20	96	0
1,1-Dichloroethane	0.545	0.516	-	5.3	20	92	0
Halothane	0.183	0.184	-	-0.5	20	99	0
Acrylonitrile	0.07	0.067	-	4.3	20	102	0
Ethyl tert-butyl ether	0.736	0.674	-	8.4	20	97	0
Vinyl acetate	0.533	0.528	-	0.9	20	112	0
cis-1,2-Dichloroethene	0.271	0.256	-	5.5	20	93	0
2,2-Dichloropropane	0.379	0.36	-	5	20	95	0
Bromochloromethane	0.114	0.123	-	-7.9	20	101	0
Cyclohexane	0.562	0.538	-	4.3	20	99	0
Chloroform	0.471	0.447	-	5.1	20	94	0
Ethyl acetate	0.177	0.159	-	10.2	20	104	0
Carbon tetrachloride	0.388	0.368	-	5.2	20	97	0
Tetrahydrofuran	0.058	0.06	-	-3.4	20	112	0
Dibromofluoromethane	0.276	0.28	-	-1.4	20	104	0
1,1,1-Trichloroethane	0.416	0.406	-	2.4	20	97	0
2-Butanone	0.075	0.07	-	6.7	20	104	0
1,1-Dichloropropene	0.327	0.314	-	4	20	96	0
Benzene	1.01	0.987	-	2.3	20	95	0
tert-Amyl methyl ether	0.493	0.44	-	10.8	20	97	0
1,2-Dichloroethane-d4	0.346	0.368	-	-6.4	20	103	0
1,2-Dichloroethane	0.363	0.362	-	0.3	20	100	0
Methyl cyclohexane	10	9.091	-	9.1	20	99	0
Trichloroethene	0.276	0.259	-	6.2	20	98	0
Dibromomethane	0.132	0.133	-	-0.8	20	103	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: AKRF, Inc.		Lab Number	: L2571737	
Project Name	: QUEENS ANIMAL SHELTER		Project Number	: 180291	
Instrument ID	: VOA105		Calibration Date	: 11/20/25 20:52	
Lab File ID	: V05251120N02		Init. Calib. Date(s)	: 11/07/25	11/07/25
Sample No	: WG2144978-2		Init. Calib. Times	: 14:37	19:04
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.286	0.272	-	4.9	20	97	0
Bromodichloromethane	0.343	0.326	-	5	20	96	0
1,4-Dioxane	0.00115	0.00087*	-	24.3*	20	84	0
cis-1,3-Dichloropropene	10	8.823	-	11.8	20	96	0
Chlorobenzene-d5	1	1	-	0	20	105	0
Toluene-d8	1.265	1.267	-	-0.2	20	104	0
Toluene	0.791	0.756	-	4.4	20	99	0
4-Methyl-2-pentanone	0.076	0.064	-	15.8	20	105	0
Tetrachloroethene	0.339	0.34	-	-0.3	20	102	0
trans-1,3-Dichloropropene	10	8.777	-	12.2	20	99	0
Ethyl methacrylate	0.259	0.208	-	19.7	20	97	0
1,1,2-Trichloroethane	0.185	0.184*	-	0.5	20	104	0
Chlorodibromomethane	0.294	0.279	-	5.1	20	103	0
1,3-Dichloropropane	0.405	0.386	-	4.7	20	100	0
1,2-Dibromoethane	0.217	0.216	-	0.5	20	104	0
2-Hexanone	0.129	0.104	-	19.4	20	101	0
Chlorobenzene	0.884	0.848	-	4.1	20	101	0
Ethylbenzene	1.548	1.463	-	5.5	20	96	0
1,1,1,2-Tetrachloroethane	0.318	0.311	-	2.2	20	103	0
p/m Xylene	0.576	0.571	-	0.9	20	97	0
o Xylene	0.552	0.546	-	1.1	20	99	0
Styrene	0.901	0.913	-	-1.3	20	99	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	114	0
Bromoform	0.299	0.262	-	12.4	20	106	0
Isopropylbenzene	2.709	2.331	-	14	20	96	0
4-Bromofluorobenzene	0.858	0.773	-	9.9	20	104	0
Bromobenzene	0.632	0.573	-	9.3	20	103	0
n-Propylbenzene	3.254	2.821	-	13.3	20	95	0
1,4-Dichlorobutane	0.871	0.801	-	8	20	105	0
1,1,2,2-Tetrachloroethane	0.434	0.409	-	5.8	20	108	0
4-Ethyltoluene	2.634	2.39	-	9.3	20	99	0
2-Chlorotoluene	1.945	1.768	-	9.1	20	97	0
1,3,5-Trimethylbenzene	2.259	2.066	-	8.5	20	100	0
1,2,3-Trichloropropane	0.375	0.347	-	7.5	20	109	0
trans-1,4-Dichloro-2-buten	0.152	0.155	-	-2	20	116	0
4-Chlorotoluene	2.005	1.767	-	11.9	20	98	0
tert-Butylbenzene	1.944	1.723	-	11.4	20	97	0
1,2,4-Trimethylbenzene	2.169	1.997	-	7.9	20	102	0
sec-Butylbenzene	2.767	2.468	-	10.8	20	99	0
p-Isopropyltoluene	10	8.247	-	17.5	20	99	0
1,3-Dichlorobenzene	1.227	1.148	-	6.4	20	104	0
1,4-Dichlorobenzene	1.282	1.169	-	8.8	20	106	0
p-Diethylbenzene	1.46	1.233	-	15.5	20	102	0

* Value outside of QC limits.

ANALYTICAL REPORT

Lab Number:	L2572138
Client:	AKRF, Inc. 440 Park Avenue South 7th Floor New York, NY 10016
ATTN:	Patrick Diggins
Phone:	(646) 388-9784
Project Name:	BUD NORTH
Project Number:	200112
Report Date:	12/01/25

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2572138
Report Date: 12/01/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2572138-01	MW-01_20251112	WATER	2-21 MALT DRIVE, QUEENS, NY	11/12/25 15:20	11/13/25
L2572138-02	MW-02_20251112	WATER	2-21 MALT DRIVE, QUEENS, NY	11/12/25 14:30	11/13/25
L2572138-03	MW-03_20251112	WATER	2-21 MALT DRIVE, QUEENS, NY	11/12/25 12:50	11/13/25
L2572138-04	MW-0X_20251112	WATER	2-21 MALT DRIVE, QUEENS, NY	11/12/25 12:00	11/13/25
L2572138-05	FB_20251112	WATER	2-21 MALT DRIVE, QUEENS, NY	11/12/25 00:00	11/13/25
L2572138-06	TB_20251112	WATER	2-21 MALT DRIVE, QUEENS, NY	11/12/25 00:00	11/13/25

Project Name:	BUD NORTH	**Lab Number:**	L2572138
Project Number:	200112	**Report Date:**	12/01/25

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

Please contact Project Management at 800-624-9220 with any questions.

Project Name: BUD NORTH **Lab Number:** L2572138
Project Number: 200112 **Report Date:** 12/01/25

Case Narrative (continued)

Report Submission

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

Diesel Range & Oil Range Organics

The L2572138-01RE MS/MSD were not spiked; therefore, they are not reported.

The WG2143355-2 LCS recoveries associated with L2572138-01, -02, -03, -04 and -05 were outside the acceptance criteria for individual target compounds; however, the criteria were achieved upon re-extraction outside of holding time. The results of both extractions are reported; however, all results are considered to have a potentially low bias for nonane (c9) (40%) and decane (c10) (45%).

The WG2143355-3 LCSD recoveries associated with L2572138-01, -02, -03, -04 and -05 were outside the acceptance criteria for individual target compounds; however, the criteria were achieved upon re-extraction outside of holding time. The results of both extractions are reported; however, all results are considered to have a potentially low bias for nonane (c9) (47%).

The WG2143355-4/-5 MS/MSD recoveries performed on L2572138-01 are outside the acceptance criteria for nonane (c9) (47%/49%).

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

Authorized Signature: Caitlin Walukevich

Caitlin Walukevich

Title: Technical Director/Representative Date: 12/01/25

ORGANICS

VOLATILES

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-01
Client ID: MW-01_20251112
Sample Location: 2-21 MALT DRIVE, QUEENS, NY
Date Collected: 11/12/25 15:20
Date Received: 11/13/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/21/25 16:43
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	4.5		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: BUD NORTH **Lab Number:** L2572138

Project Number: 200112 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-01 Date Collected: 11/12/25 15:20

Client ID: MW-01_20251112 Date Received: 11/13/25

Sample Location: 2-21 MALT DRIVE, QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	2.3	J	ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	8.8		ug/l	2.5	0.70	1

Project Name: BUD NORTH **Lab Number:** L2572138

Project Number: 200112 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-01 Date Collected: 11/12/25 15:20

Client ID: MW-01_20251112 Date Received: 11/13/25

Sample Location: 2-21 MALT DRIVE, QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	1.4	J	ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-02
Client ID: MW-02_20251112
Sample Location: 2-21 MALT DRIVE, QUEENS, NY
Date Collected: 11/12/25 14:30
Date Received: 11/13/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/21/25 17:10
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	3.3		ug/l	0.50	0.16	1
Toluene	1.4	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: BUD NORTH **Lab Number:** L2572138

Project Number: 200112 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-02 Date Collected: 11/12/25 14:30

Client ID: MW-02_20251112 Date Received: 11/13/25

Sample Location: 2-21 MALT DRIVE, QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.9	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	13		ug/l	2.5	0.70	1

Project Name: BUD NORTH **Lab Number:** L2572138

Project Number: 200112 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-02 Date Collected: 11/12/25 14:30

Client ID: MW-02_20251112 Date Received: 11/13/25

Sample Location: 2-21 MALT DRIVE, QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	1.5	J	ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-03
Client ID: MW-03_20251112
Sample Location: 2-21 MALT DRIVE, QUEENS, NY
Date Collected: 11/12/25 12:50
Date Received: 11/13/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/21/25 17:37
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: BUD NORTH **Lab Number:** L2572138

Project Number: 200112 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-03 Date Collected: 11/12/25 12:50

Client ID: MW-03_20251112 Date Received: 11/13/25

Sample Location: 2-21 MALT DRIVE, QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: BUD NORTH **Lab Number:** L2572138

Project Number: 200112 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-03 Date Collected: 11/12/25 12:50

Client ID: MW-03_20251112 Date Received: 11/13/25

Sample Location: 2-21 MALT DRIVE, QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	104		70-130

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-04
Client ID: MW-0X_20251112
Sample Location: 2-21 MALT DRIVE, QUEENS, NY
Date Collected: 11/12/25 12:00
Date Received: 11/13/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/21/25 18:04
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	2.9		ug/l	0.50	0.16	1
Toluene	1.4	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: BUD NORTH **Lab Number:** L2572138

Project Number: 200112 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-04 Date Collected: 11/12/25 12:00

Client ID: MW-0X_20251112 Date Received: 11/13/25

Sample Location: 2-21 MALT DRIVE, QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	12		ug/l	2.5	0.70	1

Project Name: BUD NORTH **Lab Number:** L2572138

Project Number: 200112 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-04 Date Collected: 11/12/25 12:00

Client ID: MW-0X_20251112 Date Received: 11/13/25

Sample Location: 2-21 MALT DRIVE, QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	1.5	J	ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	104		70-130

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-05
Client ID: FB_20251112
Sample Location: 2-21 MALT DRIVE, QUEENS, NY
Date Collected: 11/12/25 00:00
Date Received: 11/13/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/21/25 18:30
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: BUD NORTH **Lab Number:** L2572138

Project Number: 200112 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-05 Date Collected: 11/12/25 00:00

Client ID: FB_20251112 Date Received: 11/13/25

Sample Location: 2-21 MALT DRIVE, QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: BUD NORTH **Lab Number:** L2572138

Project Number: 200112 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-05 Date Collected: 11/12/25 00:00

Client ID: FB_20251112 Date Received: 11/13/25

Sample Location: 2-21 MALT DRIVE, QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	102		70-130

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-06
Client ID: TB_20251112
Sample Location: 2-21 MALT DRIVE, QUEENS, NY
Date Collected: 11/12/25 00:00
Date Received: 11/13/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/21/25 22:53
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: BUD NORTH **Lab Number:** L2572138

Project Number: 200112 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-06 Date Collected: 11/12/25 00:00

Client ID: TB_20251112 Date Received: 11/13/25

Sample Location: 2-21 MALT DRIVE, QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: BUD NORTH **Lab Number:** L2572138

Project Number: 200112 **Report Date:** 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-06 Date Collected: 11/12/25 00:00

Client ID: TB_20251112 Date Received: 11/13/25

Sample Location: 2-21 MALT DRIVE, QUEENS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	111		70-130

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/21/25 09:38
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2145300-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/21/25 09:38
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2145300-5					
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/21/25 09:38
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2145300-5					
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/21/25 09:38
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2145300-5					
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/21/25 16:02
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG2145720-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/21/25 16:02
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG2145720-5					
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/21/25 16:02
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG2145720-5					
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/21/25 16:02
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG2145720-5					
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	110		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2572138
Report Date: 12/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2145300-3 WG2145300-4								
Methylene chloride	94		92		70-130	2		20
1,1-Dichloroethane	100		95		70-130	5		20
Chloroform	94		94		70-130	0		20
Carbon tetrachloride	93		90		63-132	3		20
1,2-Dichloropropane	96		92		70-130	4		20
Dibromochloromethane	91		88		63-130	3		20
1,1,2-Trichloroethane	98		94		70-130	4		20
Tetrachloroethene	100		95		70-130	5		20
Chlorobenzene	98		93		75-130	5		20
Trichlorofluoromethane	98		93		62-150	5		20
1,2-Dichloroethane	100		96		70-130	4		20
1,1,1-Trichloroethane	94		92		67-130	2		20
Bromodichloromethane	94		91		67-130	3		20
trans-1,3-Dichloropropene	95		91		70-130	4		20
cis-1,3-Dichloropropene	92		91		70-130	1		20
1,1-Dichloropropene	100		95		70-130	5		20
Bromoform	87		87		54-136	0		20
1,1,2,2-Tetrachloroethane	93		94		67-130	1		20
Benzene	100		99		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2572138
Report Date: 12/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2145300-3 WG2145300-4								
Toluene	99		94		70-130	5		20
Ethylbenzene	99		94		70-130	5		20
Chloromethane	100		99		64-130	1		20
Bromomethane	**25**	Q	**31**	Q	39-139	**21**	Q	20
Vinyl chloride	96		93		55-140	3		20
Chloroethane	74		72		55-138	3		20
1,1-Dichloroethene	92		89		61-145	3		20
trans-1,2-Dichloroethene	95		90		70-130	5		20
Trichloroethene	95		90		70-130	5		20
1,2-Dichlorobenzene	95		94		70-130	1		20
1,3-Dichlorobenzene	97		94		70-130	3		20
1,4-Dichlorobenzene	96		95		70-130	1		20
Methyl tert butyl ether	87		86		63-130	1		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	97		95		70-130	2		20
Dibromomethane	97		92		70-130	5		20
1,2,3-Trichloropropane	92		90		64-130	2		20
Acrylonitrile	100		99		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2572138
Report Date: 12/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2145300-3 WG2145300-4								
Styrene	100		95		70-130	5		20
Dichlorodifluoromethane	92		88		36-147	4		20
Acetone	92		89		58-148	3		20
Carbon disulfide	97		93		51-130	4		20
2-Butanone	100		100		63-138	0		20
Vinyl acetate	110		100		70-130	10		20
4-Methyl-2-pentanone	82		82		59-130	0		20
2-Hexanone	89		88		57-130	1		20
Bromochloromethane	100		98		70-130	2		20
2,2-Dichloropropane	100		96		63-133	4		20
1,2-Dibromoethane	91		87		70-130	4		20
1,3-Dichloropropane	97		94		70-130	3		20
1,1,1,2-Tetrachloroethane	92		89		64-130	3		20
Bromobenzene	95		94		70-130	1		20
n-Butylbenzene	96		91		53-136	5		20
sec-Butylbenzene	100		99		70-130	1		20
tert-Butylbenzene	100		96		70-130	4		20
o-Chlorotoluene	98		95		70-130	3		20
p-Chlorotoluene	97		94		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2572138
Report Date: 12/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2145300-3 WG2145300-4								
1,2-Dibromo-3-chloropropane	78		81		41-144	4		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	100		98		70-130	2		20
p-Isopropyltoluene	93		89		70-130	4		20
Naphthalene	80		81		70-130	1		20
n-Propylbenzene	100		98		69-130	2		20
1,2,3-Trichlorobenzene	92		92		70-130	0		20
1,2,4-Trichlorobenzene	91		90		70-130	1		20
1,3,5-Trimethylbenzene	100		96		64-130	4		20
1,2,4-Trimethylbenzene	100		96		70-130	4		20
1,4-Dioxane	88		86		56-162	2		20
p-Diethylbenzene	92		87		70-130	6		20
p-Ethyltoluene	100		98		70-130	2		20
1,2,4,5-Tetramethylbenzene	79		75		70-130	5		20
Ethyl ether	95		92		59-134	3		20
trans-1,4-Dichloro-2-butene	83		81		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2572138
Report Date: 12/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2145300-3 WG2145300-4

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		101		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	95		98		70-130
Dibromofluoromethane	94		95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2572138
Report Date: 12/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG2145720-3 WG2145720-4								
Methylene chloride	88		89		70-130	1		20
1,1-Dichloroethane	95		96		70-130	1		20
Chloroform	83		89		70-130	7		20
Carbon tetrachloride	89		84		63-132	6		20
1,2-Dichloropropane	88		89		70-130	1		20
Dibromochloromethane	82		79		63-130	4		20
1,1,2-Trichloroethane	89		86		70-130	3		20
Tetrachloroethene	83		77		70-130	8		20
Chlorobenzene	90		88		75-130	2		20
Trichlorofluoromethane	82		81		62-150	1		20
1,2-Dichloroethane	92		96		70-130	4		20
1,1,1-Trichloroethane	89		88		67-130	1		20
Bromodichloromethane	92		90		67-130	2		20
trans-1,3-Dichloropropene	77		75		70-130	3		20
cis-1,3-Dichloropropene	87		87		70-130	0		20
1,1-Dichloropropene	83		84		70-130	1		20
Bromoform	80		74		54-136	8		20
1,1,2,2-Tetrachloroethane	95		88		67-130	8		20
Benzene	93		88		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2572138
Report Date: 12/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG2145720-3 WG2145720-4								
Toluene	91		86		70-130	6		20
Ethylbenzene	92		92		70-130	0		20
Chloromethane	70		73		64-130	4		20
Bromomethane	100		100		39-139	0		20
Vinyl chloride	88		93		55-140	6		20
Chloroethane	100		99		55-138	1		20
1,1-Dichloroethene	85		86		61-145	1		20
trans-1,2-Dichloroethene	82		82		70-130	0		20
Trichloroethene	83		78		70-130	6		20
1,2-Dichlorobenzene	91		90		70-130	1		20
1,3-Dichlorobenzene	88		82		70-130	7		20
1,4-Dichlorobenzene	88		84		70-130	5		20
Methyl tert butyl ether	85		82		63-130	4		20
p/m-Xylene	90		85		70-130	6		20
o-Xylene	85		85		70-130	0		20
cis-1,2-Dichloroethene	88		91		70-130	3		20
Dibromomethane	89		92		70-130	3		20
1,2,3-Trichloropropane	89		85		64-130	5		20
Acrylonitrile	82		91		70-130	10		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2572138
Report Date: 12/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG2145720-3 WG2145720-4								
Styrene	80		80		70-130	0		20
Dichlorodifluoromethane	75		74		36-147	1		20
Acetone	87		100		58-148	14		20
Carbon disulfide	87		99		51-130	13		20
2-Butanone	72		85		63-138	17		20
Vinyl acetate	88		87		70-130	1		20
4-Methyl-2-pentanone	97		91		59-130	6		20
2-Hexanone	90		88		57-130	2		20
Bromochloromethane	85		95		70-130	11		20
2,2-Dichloropropane	79		77		63-133	3		20
1,2-Dibromoethane	83		81		70-130	2		20
1,3-Dichloropropane	87		86		70-130	1		20
1,1,1,2-Tetrachloroethane	87		78		64-130	11		20
Bromobenzene	95		84		70-130	12		20
n-Butylbenzene	92		88		53-136	4		20
sec-Butylbenzene	92		84		70-130	9		20
tert-Butylbenzene	91		84		70-130	8		20
o-Chlorotoluene	98		85		70-130	14		20
p-Chlorotoluene	96		92		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2572138
Report Date: 12/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG2145720-3 WG2145720-4								
1,2-Dibromo-3-chloropropane	81		78		41-144	4		20
Hexachlorobutadiene	94		86		63-130	9		20
Isopropylbenzene	89		86		70-130	3		20
p-Isopropyltoluene	88		84		70-130	5		20
Naphthalene	89		83		70-130	7		20
n-Propylbenzene	96		89		69-130	8		20
1,2,3-Trichlorobenzene	90		85		70-130	6		20
1,2,4-Trichlorobenzene	94		85		70-130	10		20
1,3,5-Trimethylbenzene	90		87		64-130	3		20
1,2,4-Trimethylbenzene	95		87		70-130	9		20
1,4-Dioxane	84		96		56-162	13		20
p-Diethylbenzene	88		80		70-130	10		20
p-Ethyltoluene	93		89		70-130	4		20
1,2,4,5-Tetramethylbenzene	84		80		70-130	5		20
Ethyl ether	84		86		59-134	2		20
trans-1,4-Dichloro-2-butene	86		79		70-130	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2572138
Report Date: 12/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG2145720-3 WG2145720-4								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		108		70-130
Toluene-d8	104		102		70-130
4-Bromofluorobenzene	101		99		70-130
Dibromofluoromethane	101		99		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG2145300-6 WG2145300-7 QC Sample: L2572138-01 Client ID: MW-01_20251112												
Methylene chloride	ND	10	10	100		10	100		70-130	0		20
1,1-Dichloroethane	ND	10	11	110		11	110		70-130	0		20
Chloroform	ND	10	10	100		10	100		70-130	0		20
Carbon tetrachloride	ND	10	9.4	94		9.0	90		63-132	4		20
1,2-Dichloropropane	ND	10	10	100		10	100		70-130	0		20
Dibromochloromethane	ND	10	8.7	87		8.3	83		63-130	5		20
1,1,2-Trichloroethane	ND	10	10	100		10	100		70-130	0		20
Tetrachloroethene	ND	10	10	100		10	100		70-130	0		20
Chlorobenzene	ND	10	10	100		10	100		75-130	0		20
Trichlorofluoromethane	ND	10	11	110		12	120		62-150	9		20
1,2-Dichloroethane	ND	10	10	100		11	110		70-130	10		20
1,1,1-Trichloroethane	ND	10	11	110		11	110		67-130	0		20
Bromodichloromethane	ND	10	9.5	95		9.7	97		67-130	2		20
trans-1,3-Dichloropropene	ND	10	8.9	89		8.7	87		70-130	2		20
cis-1,3-Dichloropropene	ND	10	8.8	88		9.1	91		70-130	3		20
1,1-Dichloropropene	ND	10	11	110		11	110		70-130	0		20
Bromoform	ND	10	7.8	78		7.3	73		54-136	7		20
1,1,2,2-Tetrachloroethane	ND	10	10	100		10	100		67-130	0		20
Benzene	4.5	10	15	105		16	115		70-130	6		20

Matrix Spike Analysis
Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG2145300-6 WG2145300-7 QC Sample: L2572138-01 Client ID: MW-01_20251112												
Toluene	ND	10	10	100		11	110		70-130	10		20
Ethylbenzene	ND	10	10	100		11	110		70-130	10		20
Chloromethane	ND	10	11	110		11	110		64-130	0		20
Bromomethane	ND	10	1.7J	**17**	Q	2.1J	**21**	Q	39-139	**21**	Q	20
Vinyl chloride	ND	10	11	110		12	120		55-140	9		20
Chloroethane	ND	10	8.3	83		8.5	85		55-138	2		20
1,1-Dichloroethene	ND	10	11	110		11	110		61-145	0		20
trans-1,2-Dichloroethene	ND	10	10	100		11	110		70-130	10		20
Trichloroethene	ND	10	10	100		10	100		70-130	0		20
1,2-Dichlorobenzene	ND	10	9.9	99		10	100		70-130	1		20
1,3-Dichlorobenzene	ND	10	9.8	98		10	100		70-130	2		20
1,4-Dichlorobenzene	ND	10	9.8	98		9.8	98		70-130	0		20
Methyl tert butyl ether	ND	10	9.3	93		9.6	96		63-130	3		20
p/m-Xylene	ND	20	21	105		21	105		70-130	0		20
o-Xylene	ND	20	20	100		21	105		70-130	5		20
cis-1,2-Dichloroethene	ND	10	10	100		11	110		70-130	10		20
Dibromomethane	ND	10	10	100		10	100		70-130	0		20
1,2,3-Trichloropropane	ND	10	9.7	97		9.2	92		64-130	5		20
Acrylonitrile	ND	10	10	100		11	110		70-130	10		20

Matrix Spike Analysis
Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG2145300-6 WG2145300-7 QC Sample: L2572138-01 Client ID: MW-01_20251112												
Styrene	ND	20	20	100		20	100		70-130	0		20
Dichlorodifluoromethane	ND	10	10	100		11	110		36-147	10		20
Acetone	ND	10	12	120		12	120		58-148	0		20
Carbon disulfide	2.3J	10	12	120		13	130		51-130	8		20
2-Butanone	ND	10	11	110		11	110		63-138	0		20
Vinyl acetate	ND	10	9.5	95		9.7	97		70-130	2		20
4-Methyl-2-pentanone	ND	10	9.3	93		9.5	95		59-130	2		20
2-Hexanone	ND	10	9.7	97		9.7	97		57-130	0		20
Bromochloromethane	ND	10	10	100		10	100		70-130	0		20
2,2-Dichloropropane	ND	10	9.1	91		8.8	88		63-133	3		20
1,2-Dibromoethane	ND	10	9.6	96		9.6	96		70-130	0		20
1,3-Dichloropropane	ND	10	10	100		10	100		70-130	0		20
1,1,1,2-Tetrachloroethane	ND	10	9.2	92		9.1	91		64-130	1		20
Bromobenzene	ND	10	9.8	98		10	100		70-130	2		20
n-Butylbenzene	ND	10	9.4	94		9.2	92		53-136	2		20
sec-Butylbenzene	ND	10	10	100		10	100		70-130	0		20
tert-Butylbenzene	ND	10	10	100		10	100		70-130	0		20
o-Chlorotoluene	ND	10	9.9	99		10	100		70-130	1		20
p-Chlorotoluene	ND	10	9.7	97		9.8	98		70-130	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG2145300-6 WG2145300-7 QC Sample: L2572138-01 Client ID: MW-01_20251112												
1,2-Dibromo-3-chloropropane	ND	10	8.5	85		8.9	89		41-144	5		20
Hexachlorobutadiene	ND	10	10	100		10	100		63-130	0		20
Isopropylbenzene	ND	10	10	100		11	110		70-130	10		20
p-Isopropyltoluene	ND	10	9.3	93		9.4	94		70-130	1		20
Naphthalene	8.8	10	23	**142**	Q	23	**142**	Q	70-130	0		20
n-Propylbenzene	ND	10	10	100		10	100		69-130	0		20
1,2,3-Trichlorobenzene	ND	10	10	100		11	110		70-130	10		20
1,2,4-Trichlorobenzene	ND	10	9.9	99		10	100		70-130	1		20
1,3,5-Trimethylbenzene	ND	10	10	100		10	100		64-130	0		20
1,2,4-Trimethylbenzene	ND	10	10	100		10	100		70-130	0		20
1,4-Dioxane	ND	500	460	92		500	100		56-162	8		20
p-Diethylbenzene	ND	10	9.5	95		9.4	94		70-130	1		20
p-Ethyltoluene	ND	10	10	100		10	100		70-130	0		20
1,2,4,5-Tetramethylbenzene	1.4J	10	8.2	82		8.5	85		70-130	4		20
Ethyl ether	ND	10	9.9	99		10	100		59-134	1		20
trans-1,4-Dichloro-2-butene	ND	10	3.0	**30**	Q	2.3J	**23**	Q	70-130	**26**	Q	20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		103		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG2145300-6 WG2145300-7 QC Sample: L2572138-01
Client ID: MW-01_20251112

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
4-Bromofluorobenzene	96		98		70-130
Dibromofluoromethane	98		96		70-130
Toluene-d8	96		96		70-130

PETROLEUM HYDROCARBONS

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-01
Client ID: MW-01_20251112
Sample Location: 2-21 MALT DRIVE, QUEENS, NY

Date Collected: 11/12/25 15:20
Date Received: 11/13/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8015D(M)
Analytical Date: 11/19/25 15:14
Analyst: MJS

Extraction Method: EPA 3510C
Extraction Date: 11/18/25 16:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	256		ug/l	31.4	26.4	1
DRO (C10-C28)	230		ug/l	28.6	18.1	1
ORO (C28-C40)	23.8		ug/l	10.5	2.61	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	70		50-130
d50-Tetracosane	73		50-130

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-01 RE
Client ID: MW-01_20251112
Sample Location: 2-21 MALT DRIVE, QUEENS, NY

Date Collected: 11/12/25 15:20
Date Received: 11/13/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8015D(M)
Analytical Date: 11/22/25 14:42
Analyst: MJS

Extraction Method: EPA 3510C
Extraction Date: 11/20/25 13:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	358		ug/l	32.4	27.2	1
DRO (C10-C28)	301		ug/l	29.4	18.6	1
ORO (C28-C40)	49.8		ug/l	10.8	2.69	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	84		50-130
d50-Tetracosane	89		50-130

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-02
Client ID: MW-02_20251112
Sample Location: 2-21 MALT DRIVE, QUEENS, NY

Date Collected: 11/12/25 14:30
Date Received: 11/13/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8015D(M)
Analytical Date: 11/19/25 23:59
Analyst: MJS

Extraction Method: EPA 3510C
Extraction Date: 11/18/25 16:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	372		ug/l	31.9	26.8	1
DRO (C10-C28)	337		ug/l	29.0	18.4	1
ORO (C28-C40)	30.6		ug/l	10.6	2.65	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	70		50-130
d50-Tetracosane	71		50-130

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-02 RE
Client ID: MW-02_20251112
Sample Location: 2-21 MALT DRIVE, QUEENS, NY

Date Collected: 11/12/25 14:30
Date Received: 11/13/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8015D(M)
Analytical Date: 11/22/25 18:54
Analyst: MJS

Extraction Method: EPA 3510C
Extraction Date: 11/20/25 13:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	547		ug/l	32.7	27.4	1
DRO (C10-C28)	443		ug/l	29.7	18.8	1
ORO (C28-C40)	80.8		ug/l	10.9	2.71	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	80		50-130
d50-Tetracosane	84		50-130

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-03
Client ID: MW-03_20251112
Sample Location: 2-21 MALT DRIVE, QUEENS, NY

Date Collected: 11/12/25 12:50
Date Received: 11/13/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8015D(M)
Analytical Date: 11/20/25 01:26
Analyst: MJS

Extraction Method: EPA 3510C
Extraction Date: 11/18/25 16:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	146		ug/l	31.7	26.6	1
DRO (C10-C28)	104		ug/l	28.8	18.3	1
ORO (C28-C40)	35.7		ug/l	10.6	2.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	80		50-130
d50-Tetracosane	81		50-130

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-03 RE
Client ID: MW-03_20251112
Sample Location: 2-21 MALT DRIVE, QUEENS, NY

Date Collected: 11/12/25 12:50
Date Received: 11/13/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8015D(M)
Analytical Date: 11/22/25 20:18
Analyst: MJS

Extraction Method: EPA 3510C
Extraction Date: 11/20/25 13:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	208		ug/l	32.4	27.2	1
DRO (C10-C28)	124		ug/l	29.4	18.6	1
ORO (C28-C40)	70.0		ug/l	10.8	2.69	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		50-130
d50-Tetracosane	90		50-130

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-04
Client ID: MW-0X_20251112
Sample Location: 2-21 MALT DRIVE, QUEENS, NY

Date Collected: 11/12/25 12:00
Date Received: 11/13/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8015D(M)
Analytical Date: 11/20/25 02:54
Analyst: MJS

Extraction Method: EPA 3510C
Extraction Date: 11/18/25 16:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	395		ug/l	31.7	26.6	1
DRO (C10-C28)	345		ug/l	28.8	18.3	1
ORO (C28-C40)	45.3		ug/l	10.6	2.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	66		50-130
d50-Tetracosane	68		50-130

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-04 RE
Client ID: MW-0X_20251112
Sample Location: 2-21 MALT DRIVE, QUEENS, NY

Date Collected: 11/12/25 12:00
Date Received: 11/13/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8015D(M)
Analytical Date: 11/22/25 21:42
Analyst: MJS

Extraction Method: EPA 3510C
Extraction Date: 11/20/25 13:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	490		ug/l	32.4	27.2	1
DRO (C10-C28)	387		ug/l	29.4	18.6	1
ORO (C28-C40)	81.7		ug/l	10.8	2.69	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	71		50-130
d50-Tetracosane	75		50-130

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-05
Client ID: FB_20251112
Sample Location: 2-21 MALT DRIVE, QUEENS, NY

Date Collected: 11/12/25 00:00
Date Received: 11/13/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8015D(M)
Analytical Date: 11/20/25 04:21
Analyst: MJS

Extraction Method: EPA 3510C
Extraction Date: 11/18/25 16:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	56.2		ug/l	31.7	26.6	1
DRO (C10-C28)	26.5	J	ug/l	28.8	18.3	1
ORO (C28-C40)	19.3		ug/l	10.6	2.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	78		50-130
d50-Tetracosane	80		50-130

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

SAMPLE RESULTS

Lab ID: L2572138-05 RE
Client ID: FB_20251112
Sample Location: 2-21 MALT DRIVE, QUEENS, NY

Date Collected: 11/12/25 00:00
Date Received: 11/13/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8015D(M)
Analytical Date: 11/22/25 23:06
Analyst: MJS

Extraction Method: EPA 3510C
Extraction Date: 11/20/25 13:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	129		ug/l	32.7	27.4	1
DRO (C10-C28)	54.9		ug/l	29.7	18.8	1
ORO (C28-C40)	53.6		ug/l	10.9	2.71	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		50-130
d50-Tetracosane	78		50-130

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2572138
Report Date: 12/01/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 11/19/25 09:03
Analyst: MJS

Extraction Method: EPA 3510C
Extraction Date: 11/18/25 16:10

Parameter	Result	Qualifier	Units	RL	MDL
Diesel/Other Range Organics by GC-FID - Mansfield Lab for sample(s): 01-05 Batch: WG2143355-1					
Total Petroleum Hydrocarbons (C9-C44)	32.2	J	ug/l	33.0	27.7
DRO (C10-C28)	19.1	J	ug/l	30.0	19.0
ORO (C28-C40)	6.17	J	ug/l	11.0	2.74

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	79		50-130
d50-Tetracosane	81		50-130

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2572138
Report Date: 12/01/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 11/21/25 21:53
Analyst: MJS

Extraction Method: EPA 3510C
Extraction Date: 11/20/25 13:45

Parameter	Result	Qualifier	Units	RL	MDL
Diesel/Other Range Organics by GC-FID - Mansfield Lab for sample(s): 01-05 Batch: WG2144451-1					
Total Petroleum Hydrocarbons (C9-C44)	ND		ug/l	33.0	27.7
DRO (C10-C28)	19.9	J	ug/l	30.0	19.0
ORO (C28-C40)	ND		ug/l	11.0	2.74

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	88		50-130
d50-Tetracosane	94		50-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2572138
Report Date: 12/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Diesel/Other Range Organics by GC-FID - Mansfield Lab	Associated sample(s): 01-05		Batch: WG2143355-2		WG2143355-3			
Nonane (C9)	**40**	Q	**47**	Q	50-130	16		30
Decane (C10)	**45**	Q	52		50-130	14		30
Dodecane (C12)	57		62		50-130	8		30
Tetradecane (C14)	72		72		50-130	0		30
Hexadecane (C16)	79		78		50-130	1		30
Octadecane (C18)	82		81		50-130	1		30
Nonadecane (C19)	83		82		50-130	1		30
Eicosane (C20)	83		82		50-130	1		30
Docosane (C22)	79		78		50-130	1		30
Tetracosane (C24)	83		82		50-130	1		30
Hexacosane (C26)	78		77		50-130	1		30
Octacosane (C28)	79		78		50-130	1		30
Triacontane (C30)	76		75		50-130	1		30
Hexatriacontane (C36)	66		66		50-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	74		74		50-130
d50-Tetracosane	78		78		50-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2572138
Report Date: 12/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Diesel/Other Range Organics by GC-FID - Mansfield Lab Associated sample(s): 01-05 Batch: WG2144451-2 WG2144451-3								
Nonane (C9)	50		59		50-130	17		30
Decane (C10)	59		69		50-130	16		30
Dodecane (C12)	70		77		50-130	10		30
Tetradecane (C14)	75		79		50-130	5		30
Hexadecane (C16)	80		82		50-130	2		30
Octadecane (C18)	81		83		50-130	2		30
Nonadecane (C19)	88		92		50-130	4		30
Eicosane (C20)	84		86		50-130	2		30
Docosane (C22)	81		83		50-130	2		30
Tetracosane (C24)	86		88		50-130	2		30
Hexacosane (C26)	82		84		50-130	2		30
Octacosane (C28)	83		86		50-130	4		30
Triacontane (C30)	82		84		50-130	2		30
Hexatriacontane (C36)	74		80		50-130	8		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	68		69		50-130
d50-Tetracosane	80		83		50-130

Matrix Spike Analysis
Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Diesel/Other Range Organics by GC-FID - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG2143355-4 WG2143355-5 QC Sample: L2572138-01 Client ID: MW-01_20251112												
Nonane (C9)	ND	48.1	22.45481	**47**	Q	23.08365	**48**	Q	50-150	3		30
Decane (C10)	ND	48.1	26.35962	55		27.35962	57		50-150	4		30
Dodecane (C12)	1.0733333	48.1	32.827885	66		34.852885	70		50-150	6		30
Tetradecane (C14)	ND	48.1	35.123077	73		36.696154	76		50-150	4		30
Hexadecane (C16)	0.4390476J	48.1	37.69135	78		38.88942	81		50-150	3		30
Octadecane (C18)	ND	48.1	37.70288	78		38.60769	80		50-150	2		30
Nonadecane (C19)	ND	48.1	41.26538	86		40.69808	85		50-150	1		30
Eicosane (C20)	ND	48.1	39.04808	81		39.92981	83		50-150	2		30
Docosane (C22)	ND	48.1	37.31346	78		38.05288	79		50-150	2		30
Tetracosane (C24)	0.3038095J	48.1	39.46827	82		40.08558	83		50-150	2		30
Hexacosane (C26)	0.3342857J	48.1	37.38942	78		37.69231	78		50-150	1		30
Octacosane (C28)	0.8247619J	48.1	37.66058	78		37.89808	79		50-150	1		30
Triacontane (C30)	ND	48.1	36.13173	75		36.44038	76		50-150	1		30
Hexatriacontane (C36)	ND	48.1	31.13654	65		31.41154	65		50-150	1		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
d50-Tetracosane	76		79		50-130
o-Terphenyl	71		75		50-130

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2572138
Report Date: 12/01/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2572138-01A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2572138-01A1	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2572138-01A2	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2572138-01B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2572138-01B1	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2572138-01B2	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2572138-01C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2572138-01C1	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2572138-01C2	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2572138-01D	Amber 1L unpreserved	NA	NA			Y	Absent		A2-TPHDRO/ORO(7)
L2572138-01D1	Amber 1L unpreserved	NA	NA			Y	Absent		A2-TPHDRO/ORO(7)
L2572138-01D2	Amber 1L unpreserved	NA	NA			Y	Absent		A2-TPHDRO/ORO(7)
L2572138-01E	Amber 1L unpreserved	NA	NA			Y	Absent		A2-TPHDRO/ORO(7)
L2572138-01E1	Amber 1L unpreserved	NA	NA			Y	Absent		A2-TPHDRO/ORO(7)
L2572138-01E2	Amber 1L unpreserved	NA	NA			Y	Absent		A2-TPHDRO/ORO(7)
L2572138-02A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2572138-02B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2572138-02C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2572138-02D	Amber 1L unpreserved	NA	NA			Y	Absent		A2-TPHDRO/ORO(7)
L2572138-02E	Amber 1L unpreserved	NA	NA			Y	Absent		A2-TPHDRO/ORO(7)
L2572138-03A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2572138-03B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2572138
Report Date: 12/01/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2572138-03C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2572138-03D	Amber 1L unpreserved	NA	NA			Y	Absent		A2-TPHDRO/ORO(7)
L2572138-03E	Amber 1L unpreserved	NA	NA			Y	Absent		A2-TPHDRO/ORO(7)
L2572138-04A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2572138-04B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2572138-04C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2572138-04D	Amber 1L unpreserved	NA	NA			Y	Absent		A2-TPHDRO/ORO(7)
L2572138-04E	Amber 1L unpreserved	NA	NA			Y	Absent		A2-TPHDRO/ORO(7)
L2572138-05A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2572138-05B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2572138-05C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2572138-05D	Amber 1L unpreserved	NA	NA			Y	Absent		A2-TPHDRO/ORO(7)
L2572138-05E	Amber 1L unpreserved	NA	NA			Y	Absent		A2-TPHDRO/ORO(7)
L2572138-06A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2572138-06B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	BUD NORTH	**Lab Number:**	L2572138
Project Number:	200112	**Report Date:**	12/01/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	BUD NORTH	**Lab Number:**	L2572138
Project Number:	200112	**Report Date:**	12/01/25

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

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

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

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

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

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were

Report Format: DU Report with 'J' Qualifiers

Project Name:	BUD NORTH	**Lab Number:**	L2572138
Project Number:	200112	**Report Date:**	12/01/25

Data Qualifiers

estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: BUD NORTH
Project Number: 200112
Lab Number: L2572138
Report Date: 12/01/25

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, SM4500CL-G, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1: Hg. **EPA 245.7:** Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY kY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
MA M-MA00030, CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 85084, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, LA 245052, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 11/13/25

ALPHA Job #: L2572138

Client Information
Client: AHRF
Address: 440 Park Ave S
Phone:
Fax:
Email: JDiggins@AHRF.com

Project Information
Project Name: Bud North
Project Location: 2-21 Halt Drive, Queens, NY
Project #: 20112
(Use Project name as Project #) ☐
Project Manager: Patrick Diggins
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☒ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement
☒ NY TOGS ☐ NY Part 375
☒ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
AHRF EQuIS, CAT B, Close SDG

Please specify Metals or TAL.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: NYTCL-8260	ANALYSIS: TPHDRO/010	Sample Filtration / Preservation	Total Bottle
72138 01	MW-01_20251112	11/12/25	~~1620~~ 1600	GW	MB	X	X	MS/MSD	15
02	MW-02_20251112		1430			X	X		5
03	MW-03_20251112		~~1620~~ 1250			X	X		5
04	MW-04_20251112		1200			X	X		5
05	FB_20251112			W		X	X		5
06	TB_20251112	-	-	W		X			2

Sample Filtration: ☐ Done ☐ Lab to do
Preservation: ☐ Lab to do
(Please Specify below)
Sample Specific Comments

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Mike Bates (AHRF)	11/12/25 1010	Oman Pack	11-13-25 10:20
Oman Pack	11-13-25 16:20	Paul Massella	11/13/25 1750
Paul Massella	11/13/25 2300		11/13 2300

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Sample Delivery Group Summary

Pace Job Number : L2572138

Account Name : AKRF, Inc.
Project Number : 200112
Project Name : BUD NORTH

Received : 13-NOV-2025
Reviewer : Samira Sampaio

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	4.1	
B	Absent/	Ice	3.7	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between COC & sample labels?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NO**

ATTACHMENT C
SSDS AND SVES INSPECTION LOGS

SSDS MONITORING INSPECTION FORM
Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY

Inspector Name:	Mike Bates	**Date:**	11/13/2025
Time In:	8:30	**Time Out:**	0:00

General

Weather: Cloudy	Temperature: 45-48 deg F	Barometric Pressure:	29.78" Hg

1. When was the last rain event? 11/9/2025

2. Is the blower currently operating? Yes

If no, please list reason/alarm condition:

3. Any evidence of system tampering, vandalism or damage in the first floor equipment room? - No

4. Is air discharging from the exhaust piping to the roof? - Yes

5. Any evidence of system tampering, vandalism, or damage to the exhaust stack? - No

6. Were all cleanout/sampling port caps securely attached prior to system testing? - Yes

If no, list location and contact Project Manager/Project Director.

7. Is the concrete floor slab overlying all of the SSDS piping runs intact? - Yes

If no, list location and contact Project Manager/Project Director.

SSDS MONITORING INSPECTION FORM
Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY

Inspector Name:	Mike Bates	**Date:**	11/13/2025
Time In:	8:30	**Time Out:**	0:00

SSDS Operations

Blower Inlet PID (ppm)	

Monitoring Point (MP) or Riser Leg (RL) Identification	Location	Differential Pressure	Applied Vacuum[1] in. H_2O	Induced Vacuum[2] in. H_2O	Flow Rate[1] cfm	Notes
MP-01	Incoming Water Room	NA	NA	1.19	NA	
MP-02	West Compactor/Recycle Room	NA	NA	1.18	NA	
MP-03	West Compactor/Recycle Room	NA	NA	1.29	NA	
MP-04	Fire Pump Room	NA	NA	0.99	NA	
MP-05	Garage Storage	NA	NA	1.09	NA	
MP-06	Back of House Vestibule	NA	NA	1.10	NA	
MP-07	Bike Room (west)	NA	NA	1.13	NA	
MP-08	Parking Garage	NA	NA	1.01	NA	
MP-09	Package Room	NA	NA	1.02	NA	
MP-10	Bike Room (east)	NA	NA	1.12	NA	
MP-11	SVE Equipment Room	NA	NA	1.13	NA	
MP-12	East Compactor Room	NA	NA	1.08	NA	
MP-13	West Compactor Room	NA	NA	1.14	NA	
MP-14	Water Service Room / SVE Equipment Room	NA	NA	1.24	NA	
SSDS-N1			1.2	NA	47	
SSDS-N2			1.3	NA	30	
SSDS-N3			1.6	NA	8	
SSDS-N4			1.5	NA	4	
SSDS-N5			1.3	NA	38	
SSDS-N6			1.3	NA	40	
SSDS-N7			1.3	NA	35	
SSDS-N8			1.7	NA	22	
SSDS-N9	Loading Dock		2.3	NA	52	
SSDS-N10			2	NA	54	
SSDS-N11			2.2	NA	5	
SSDS-N12			2.2	NA	42	
SSDS-N13			2.0	NA	40	
SSDS-N14			2.0	NA	36	
SSDS-N15			1.7	NA	78	
SSDS-N16			1.8	NA	57	
Combined applied vacuum on SSDS-1 riser =		NA	1.2	NA		
Combined applied vacuum on SSDS-2 riser =		NA	2.2	NA		

Notes:
1. Normal system flow rates range from 40 to 100 cfm. Applied vacuum readings range from 1 to 15 in. H_2O. System readings will be obtained from each riser leg (SSDS-N1 through SSDS-N16).
2. Normal system induced vacuum readings should be a minimum of 0.004 in. H_2O. System readings will be obtained from each monitoring point (MP-01 through MP-12).
3. If observations are confirmed to be outside of this range, inform emergency contacts in SMP and prepare corrective action plan, if necessary.

in. of H_2O - inches of water NA - not applicable cfm - cubic feet per minute

SVE INSPECTION LOG
MONTHLY SOIL VAPOR EXTRACTION SYSTEM INSPECTION
Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY

Inspector Name:	**Mike Bates**	**Date:**	**11/13/2025**
Time IN:	**830**	**Time OUT:**	**1530**

GENERAL

Weather:	Cloudy	Temperature:	45-48 deg F	Barometric Pressure:	29.78" Hg	Equipment Room Temperature:	70 deg F

When was the last rain event? 11/9/2025

Is the SVE system being cycled on or off this month? On / Off (circle one) On

If issues cycling system on or off, ALERT PROJECT MANAGER and please describe issue:

Is the SVE blower currently operating? Yes

If no, ALERT PROJECT MANAGER and please list reason/alarm condition:

What is the VFD setting? 60 Hz

If under 30 Hz, ALERT PROJECT MANAGER:

Is condensate in the knockout tank gauge below the low-high float sensor? Yes

If no, ALERT PROJECT MANAGER and manually drain knockout tank

Is transfer pump working? Yes

If no, ALERT PROJECT MANAGER.

Is 55-gallon drum full? No

If yes, acknowledge alarm on panel and ALERT PROJECT MANAGER.

Any evidence of system tampering, vandalism or damage? No

If yes, ALERT PROJECT MANAGER and please note findings:

Any evidence of system tampering, vandalism or damage to the exhaust stack? No

If yes, ALERT PROJECT MANAGER and please note findings:

Notes: This SVE Inspection Log should be completed along with the sampling log for each sampling event.
PID - Photoionization Detector; ppm - parts per million; NA - Not applicable; GAC - Granular Activated Carbon

Comments: Pressure Influent GAC - 13 " H20. Pressure Effluent GAC 5" H20.
East Blower Vacuum Pre-filter 5.5" H20. Vacuum Post-filter 5.5" H20.
West Blower Vacuum Pre-filter 7.0" H20. Vacuum Post-filter 7.0" H20.

Emergency Contact Information		
Name	**Title**	**Contact Number**
Marc Godick	AKRF Project Director	914-922-2356 (office)
Patrick Diggins	Project Manager	914-922-2356 (office)
		603-494-7090 (cell)
Chris Steinmann	Owner's Representative	917-295-0948 (cell)

SVE INSPECTION LOG
MONTHLY SOIL VAPOR EXTRACTION SYSTEM INSPECTION
Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY

SVE Operation
CALL PROJECT MANAGER IF READING OUTSIDE ACCEPTABLE/TYPICAL RANGE (IN GRAY)

Pre-Blower Inlet Temperature (°F): 40-80°F	Post-Blower Outlet Temperature (°F): 70-110°F	Knockout Tank Vacuum (Inches of water column): 0-50 inH2O
71	110	8
Pre-filter Vacuum (Inches of water column): 0-50 inH2O	**Post-filter Vacuum (Inches of water column): 0-50 inH2O**	**Post-Blower Pressure (Inches of water column): 0-20 inH2O**
7.2	6	20
GAC Influent PID (ppm):	**GAC Intermediate PID (ppm): Less than GAC Influent PID**	**GAC Effluent PID (ppm): <1 ppm**
0.2	0.1	0

Variable Frequency Drive setting: hz

Monitoring Location	Vacuum Reading in. H2O	Air Flow Reading in. H2O	Air Flow Reading CFM	Notes
SVMP-01	1.13	-	-	
SVMP-02	1.30	-	-	
SVMP-03	1.29	-	-	
SVMP-04	1.32	-	-	
SVMP-05	1.30	-	-	
SVMP-06	1.37	-	-	
SVE-01	1.50	0.02	30	
SVE-02	2.00	0.03	35	
SVE-03	1.50	0.03	35	
SVE-04	2.50	0.02	30	
SVE-05	4.00	0.01	10	