

September 10, 2025

Ms. Brittany Taranto
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, NY 12207

**RE: May 2025 Groundwater Monitoring Report
Gerard Avenue and East 146th Street
Bronx, New York
NYSDEC BCP Site No. C203111
Langan Project No.: 170487003**

Dear Brittany Taranto,

In accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved December 2, 2024 Groundwater Treatment Work Plan, Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) conducted groundwater sampling at 445 Gerard Avenue (the site) located in the Mott Haven neighborhood of the Bronx, New York. A site location map is provided as Figure 1. Sampling was conducted on May 29, 2025, and is the first sampling event completed following the implementation of the supplemental groundwater treatment program, which was implemented between February 24 and February 28, 2025, to address residual petroleum impacts in groundwater.

Project Background

The about 38,000-square-foot (0.87 acre) site is identified as Block 2351, Lots 1, 3, 12, and 20 on the New York City Bronx Borough Tax Map. The site was developed into a 12-story mixed-use commercial and residential building with a partial cellar. A site layout plan is provided as Figure 2.

Petroleum-impacted soil, groundwater, and soil vapor attributed to former on-site operations and petroleum bulk storage were identified in the northern part of the site during a Remedial Investigation (RI) performed between December 2018 and January 2019. Based on these findings, Spill No. 1705596 was assigned. A NYSDEC-approved in-situ chemical oxidation (ISCO) program was implemented between November 2020 and January 2021 to target petroleum-related VOCs and semivolatile organic compounds (SVOCs) in groundwater. Excavation and off-site disposal of contaminated fill/soil, decommissioning of underground storage tanks (USTs), and installation of permanent groundwater monitoring wells was completed between February and June 2021 in accordance with the NYSDEC-approved April 28, 2020 Remedial Action Work Plan (RAWP). A Track 4 remedy was achieved and a certificate of completion (COC) was issued on December 28, 2021. Following completion of the ISCO program and site-wide remedy, five post-remedial groundwater monitoring wells were installed (RMW01, RMW03,

RMW09, RMW10, and RMW14) and eight quarterly sampling events were completed between April 2021 and January 2023 in accordance with the December 21, 2021 Site Management Plan (SMP). Langan requested the discontinuation of groundwater monitoring in the April 4, 2023 Eighth Quarterly Groundwater Monitoring Report. Although remaining VOC and SVOC contamination was present, most significantly in RMW14, consistent reduction had been observed and significant further reduction was not anticipated. In the July 6, 2023 Eighth Quarterly Groundwater Monitoring Report & Periodic Review Report comment letter, the NYSDEC requested that an additional sampling event (Q9) be conducted, including a synoptic gauging of the monitoring wells and development of a groundwater contour map.

The Q9 sampling event was performed in September 2023. Results indicated that SVOCs are no longer present at concentrations exceeding the NYSDEC Technical & Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA drinking water (herein collectively referenced as NYSDEC SGVs). Residual VOC impacts remained only in RMW14, except for benzene in RMW09. Geochemical parameters, specifically dissolved oxygen, has depleted, indicated that subsurface conditions no longer appear to be favorable for breakdown of petroleum-related compounds.

Langan reviewed the results of the Q9 sampling event with the NYSDEC on January 30, 2024. Although natural attenuation may have been occurring at RMW14, additional groundwater treatment in the vicinity of RMW14 was discussed as a final step to reduce VOC impacts. The NYSDEC agreed with this approach and recommended continued groundwater monitoring at select locations.

February 2025 Groundwater Treatment Work Plan Injection Implementation

In accordance with the December 2, 2024 Groundwater Treatment Work Plan, a series of three remedial technologies, 1) adsorption and bioremediation using PetroFix™, 2) chemical flocculation by calcium chloride, and 3) an Oxygen Reduction Compound (ORC) Advanced® sock were selected to address residual petroleum-related VOCs in groundwater. PetroFix™ is a proprietary product developed by Regenesis Remediation Solutions (Regenesis) that provides an adsorptive media onto which the dissolved VOCs can partition. In turn, attached microbial growth occurs on the surface of the adsorptive media, resulting in contaminant destruction via biodegradation. PetroFix™ employs the techniques of organic polymer dispersion chemistry to suspend activated carbon particles in a colloidal matrix. A calcium chloride flush can be used to prevent or “park” colloidal suspensions of carbon by flocculation, facilitating bonding between particles to create larger aggregates that can be separated, resulting in improved aquifer clarification. Finally, the application of ORC Advanced® to the subsurface via socks can enhance biological activity, which accelerates the rate of naturally-occurring aerobic biodegradation in groundwater.

The injection program was implemented by Regenesis and Coastal Environmental Solutions (Coastal) under the oversight of Langan between February 24 and February 28, 2025. Coastal injected PetroFix™ solution directly into post-remedial monitoring well RMW14 and off-site monitoring wells OMW-01 and OMW-02 using a “bottom-up”

approach. Flexible hose extended from a mixing tank to the injection pump, and then to an injection manifold at the drill rig. A hollow steel injection rod delivered the PetroFix™ under low pressures ranging from 10 to 50 pounds per square inch (psi) so to not significantly alter groundwater elevation. The injection rod was gradually pulled upward through the target interval, about 15 to 30 feet below grade surface (bgs) in off-site monitoring wells, and about 17 to 27 feet bgs in monitoring well RMW14. Approximately 800 pounds of PetroFix™ were injected over the course of the program.

Following PetroFix™ injections, a calcium chloride flush was applied to RMW14. The calcium chloride flush consisted of injecting 29 gallons of fresh water, followed by 16.6 pounds of calcium chloride with 33 gallons of fresh water, and a final 29 gallons of fresh water into monitoring well RMW14 at pressures similar to that of the PetroFix™ application. ORC Advanced® socks consisting of 31, 1-foot socks laced together, were suspended in RMW14 to be left in place for up to nine months.

Periodic Groundwater Sampling

Eight quarterly post-injection sampling events were completed in accordance with the SMP and a ninth post-injection sampling event was completed at the request of the NYSDEC. Monitoring was conducted at five post-injection permanent monitoring wells (RMW01, RMW03, RMW09, RMW10, and RMW14) that were installed following the initial injection program during implementation of the remedy. Results identified remaining petroleum-related VOC impacts in the northern part of the site, particularly in the vicinity of groundwater monitoring well RWM14, following completion of the ISCO program.

Per the groundwater treatment work plan, performance monitoring will be conducted quarterly at RMW03, RMW09, and RMW14 for at least a year following the February 2025 injection program. Locations of RMW03, RMW09, and RMW14 are shown on Figure 3.

Well Purging and Sampling

Monitoring well sampling was conducted on May 29, 2025. Samples were collected in accordance with the procedures set forth in the United States Environmental Protection (USEPA) low-flow groundwater sampling procedure ("Low Stress [low flow] Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells", EQASOP-GW 001, January 19, 2010) to allow for collection of a representative sample. Purging was performed using a peristaltic pump fitted with dedicated tubing at all wells. During purging, the turbidity, pH, temperature, conductivity, oxidation- reduction potential (ORP), and dissolved oxygen (DO) were monitored using a Horiba U-52 water quality meter with a flow-through cell. Purging was considered complete after three well volumes were purged or after groundwater quality parameters had stabilized for three successive readings within a reasonable time frame. The purged water was containerized into a 55-gallon drum and temporarily stored in a secured area pending proper off-site disposal. Daily field reports are included in Attachment A. The groundwater quality parameters were recorded on the Well Purging and Sampling Logs provided in Attachment B.

After purging each well, a groundwater sample was collected directly from the pump discharge line using USEPA low-flow techniques. For quality assurance and quality control (QA/QC), one field blank sample, one trip black, one duplicate sample, and one matrix

spike/matrix spike duplicate (MS/MSD) sample were collected. All samples were analyzed for Part 375/Target Compound List (TCL) VOCs by Pace Analytical Services, LLC (Pace), a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory in Westborough, Massachusetts (ELAP ID No. 11148). Groundwater quality parameters stabilized in RMW03 and RMW09 prior to sampling. Parameters did not stabilize in RMW14; however, a groundwater sample was collected after three well volumes were purged. Prior to sampling, the ORP levels ranged from -119 to 221 millivolts (mV), turbidity ranged from 0.0 to >1,000 NTUs, and dissolved oxygen ranged from 0.0 to 4.94 milligrams per liter (mg/L). The high turbidity observed in monitoring well RMW14 is due to residual activated carbon (i.e., PetroFix™) suspended within the groundwater.

The laboratory analytical results for the baseline sampling event and the May 2025 sampling event are summarized in Table 1. Laboratory analytical reports are provided as Attachment C. Groundwater analytical results were compared to the NYSDEC SGVs.

May 2025 Performance Monitoring Analytical Results

Analytical results from the May 2025 performance monitoring are summarized as follows:

- RMW03: One VOC, benzene, was detected above its NYSDEC SGV (1 microgram per liter [ug/L]) at a concentration of 8.3 ug/L and 9.5 ug/L (DUP01_052925).
- RMW09: One VOC, benzene, was detected above its NYSDEC SGV (1 microgram per liter [ug/L]) at a concentration of 17 ug/L.
- RMW14: VOCs were not detected above the NYSDEC SGVs.

VOCs are no longer detected above the NYSDEC SGVs in RMW14. Only one VOC, benzene, was detected above its NYSDEC SGV in RMW03 and RMW09. However, the concentrations of benzene during this sampling event were similar to those observed in previous sampling events between 2021 and 2023. During the baseline sampling event in August 2024, benzene was also detected in RMW03 at a similar concentration.

Data Validation

Copies of the Analytical Services Protocol (ASP) Category B laboratory reports were submitted to Langan's data validation department for review in accordance with the USEPA validation guidelines for organic and inorganic data. The data were found to be 100% acceptable. The Data Usability Summary Report (DUSR) is included in Attachment D.

Closure

Only one VOC, benzene, was detected above its NYSDEC SGV in groundwater monitoring wells RMW03 and RMW09. However, the concentrations of benzene during this sampling event were similar to those observed in previous sampling events between 2022 and 2023. VOCs did not exceed the NYSDEC SGVs in RMW14, indicating that the February 2025 injection event successfully reduced the concentration of petroleum-related compounds. The groundwater monitoring wells will continue to be sampled on a quarterly basis, and the next quarterly sampling event is planned for August 2025.

Should you have any questions, please call the undersigned at 212-479-5479.

Sincerely,

**Langan Engineering, Environmental, Surveying
Landscape Architecture, and Geology, D.P.C.**



Brian Gochenaur
Associate Principal

Enclosures:

Table 1 Groundwater Sample Analytical Results – May 2025

Figure 1 Site Location Map

Figure 2 Site Layout Plan

Figure 3 Groundwater Sample Results Map

Attachment A Daily Site Observation Report

Attachment B Well Purging and Sampling Logs

Attachment C Laboratory Analytical Report

Attachment D Data Usability Summary Report

TABLE

Table 1
Groundwater Sample Analytical Results - May 2025

445 Gerard Avenue
Bronx, New York
NYSDEC BCP Site No.: C203111
Langan Project No.: 170487001

Analyte	CAS Number	NYSDEC SGVs	Sampling Event	Baseline	Q1	Q2	Q3	Q3	Q4	Q4	Q5	Q6	Q6	Q7	Q8	Q8	Q9	August 2024	May 2025	May 2025		
			Location	RMW03	RMW03	RMW03	RMW03	RMW03	RMW03	RMW03	RMW03	RMW03	RMW03	RMW03	RMW03	RMW03	RMW03	RMW03	RMW03	RMW03	RMW03	RMW03
			Sample Name	RMW03_110520	RMW03_041521	RMW03_070821	RMW03_101121	GWDUP01_101121	RMW03_011222	DUP01_011222	RMW03_040722	RMW03_071322	DUP01_071322	RMW03_100522	RMW03_011223	DUP01_011223	RMW03_092723	RMW03_080824	RMW03_052925	DUP01_052925		
			Sample Date	11/05/2020	04/15/2021	07/08/2021	10/11/2021	10/11/2021	01/12/2022	01/12/2022	04/07/2022	07/13/2022	07/13/2022	10/05/2022	01/12/2023	01/12/2023	09/27/2023	08/08/2024	05/29/2025	05/29/2025		
			Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
Volatile Organic Compounds																						
1,1,1,2-Tetrachloroethane	630-20-6	5	ug/l	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U		
1,1,1-Trichloroethane	71-55-6	5	ug/l	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U		
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	<0.5 UJ	<0.5 U	<1 U	<0.5 U	<0.5 U	<0.5 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	<0.5 U		
1,1,2-Trichloroethane	79-00-5	1	ug/l	<1.5 U	<1.5 U	<3 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<3 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U		
1,1-Dichloroethane	75-34-3	5	ug/l	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U		
1,1-Dichloroethene	75-35-4	5	ug/l	<0.5 U	<0.5 U	<1 U	<0.5 U	<0.5 U	<0.5 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	<0.5 U		
1,1-Dichloropropene	563-58-6	5	ug/l	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U		
1,2,3-Trichlorobenzene	87-61-6	5	ug/l	<2.5 UJ	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U		
1,2,3-Trichloropropane	96-18-4	0.04	ug/l	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U		
1,2,4,5-Tetramethylbenzene	95-93-2	5	ug/l	19	2.8	1.3 J	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<4 U	<2 U						
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	<2.5 UJ	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U		
1,2,4-Trimethylbenzene	95-63-6	5	ug/l	<2.5 U	1.6 J	1.5 J	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U		
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	ug/l	<2.5 UJ	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U		
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.0006	ug/l	<2 U	<2 U	<4 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<4 U	<2 U						
1,2-Dichlorobenzene	95-50-1	3	ug/l	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U		
1,2-Dichloroethane	107-06-2	0.6	ug/l	<0.5 U	0.47 J	0.26 J	<0.5 U	<0.5 U	<0.5 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	<0.5 U		
1,2-Dichloropropane	78-87-5	1	ug/l	<1 U	0.17 J	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<2 U	<1 U						
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	5	ug/l	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U		
1,3-Dichlorobenzene	541-73-1	3	ug/l	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U		
1,3-Dichloropropane	142-28-9	5	ug/l	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U		
1,4-Dichlorobenzene	106-46-7	3	ug/l	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U		
1,4-Diethyl Benzene	105-05-5	NS	ug/l	<2 U	<2 U	<4 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<4 U	<2 U						
1,4-Dioxane (P-Dioxane)	123-91-1	0.35	ug/l	<250 UJ	<250 U	<500 UJ	<250 U	<250 U	<250 U	<250 U	<250 U	<250 U	<250 U	<250 U	<500 U	<250 U						
2,2-Dichloropropane	594-20-7	5	ug/l	<2.5 U	<2.5 U	<5 UJ	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U		
2-Chlorotoluene	95-49-8	5	ug/l	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U		
2-Hexanone (MBK)	591-78-6	50	ug/l	<5 UJ	<5 U	<10 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<10 U	<5 U	<5 U	<5 U	<5 U	<5 U		
4-Chlorotoluene	106-43-4	5	ug/l	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U		
4-Ethyltoluene	622-96-8	NS	ug/l	2.6	<2 U	<4 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<4 U	<2 U						
Acetone	67-64-1	50	ug/l	<5 UJ	13	5.5 J	<5 U	<5 U	<5 UJ	<5 U	7.3	<5 U	<5 U	<5 U	<10 U	<5 U	<5 U	2 J	<5 UJ	<5 UJ		
Acrylonitrile	107-13-1	5	ug/l	<5 UJ	<5 U	<10 UJ	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<10 U	<5 U	<5 U	<5 U	<5 U	<5 U		
Benzene	71-43-2	1	ug/l	9.4	22	43	24	23	55	61	<0.5 U	<0.5 U	<0.5 U	<0.5 U	30	23	<0.5 U	4.8	8.3	9.5		
Bromobenzene	108-86-1	5	ug/l	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U		
Bromochloromethane	74-97-5	5	ug/l	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U		
Bromodichloromethane	75-27-4	50	ug/l	<0.5 UJ	<0.5 U	<1 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U	0.52	0.47 J	<0.5 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U		
Bromoform	75-25-2	50	ug/l	<2 U	<2 U	<4 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<4 U	<2 U						
Bromomethane	74-83-9	5	ug/l	<2.5 UJ	<2.5 U	<5 UJ	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U		
Carbon Disulfide	75-15-0	60	ug/l	<5 UJ	1.8 J	<10 UJ	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<10 U	<5 U	<5 U	<5 U	<5 U	<5 U		
Carbon Tetrachloride	56-23-5	5	ug/l	<0.5 U	<0.5 U	<1 U	<0.5 U	<0.5 U	<0.5 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	<0.5 U		
Chlorobenzene	108-90-7	5	ug/l	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U		
Chloroethane	75-00-3	5	ug/l	<2.5 UJ	<2.5 U	<5 UJ	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 UJ	<2.5 UJ		
Chloroform	67-66-3	7	ug/l	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	8.9	8.8	<2.5 U									
Chloromethane	74-87-3	5	ug/l	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 UJ	<2.5 UJ		
Cis-1,2-Dichloroethene	156-59-2	5	ug/l	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U		
Cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	<0.5 U	<0.5 U	<1 U	<0.5 U	<0.5 U	<0.5 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	<0.5 U		
Cymene	99-87-6	5	ug/l	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U		
Dibromochloromethane	124-48-1	50																				

Table 1
Groundwater Sample Analytical Results - May 2025

445 Gerard Avenue
Bronx, New York
NYSDEC BCP Site No.: C203111
Langan Project No.: 170487001

Analyte	CAS Number	NYSDEC SGVs	Sampling Event	Baseline	Q1	Q2	Q3	Q4	Q6	Q5	Q6	Q7	Q8	Q9	August 2024	May 2025	
			Location	RMW09	RMW09												
			Sample Name	RMW09_110520	RMW09_041921	RMW09_070721	RMW09_101221	RMW09_011222	RMW09_040722	DUP01_040722	RMW09_071422	RMW09_100522	RMW09_011323	RMW09_092823	RMW09_080724	RMW09_052925	
			Sample Date	11/05/2020	04/19/2021	07/07/2021	10/12/2021	01/12/2022	04/07/2022	04/07/2022	07/14/2022	10/05/2022	01/13/2023	09/28/2023	08/07/2024	05/29/2025	
			Unit	Result													
Volatile Organic Compounds																	
1,1,1,2-Tetrachloroethane	630-20-6	5	ug/l	<12 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U	<2.5 U	
1,1,1-Trichloroethane	71-55-6	5	ug/l	<12 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	<2.5 UJ	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	
1,1,2-Trichloroethane	79-00-5	1	ug/l	<7.5 U	<3 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	
1,1-Dichloroethane	75-34-3	5	ug/l	<12 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	
1,1-Dichloroethene	75-35-4	5	ug/l	<2.5 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	
1,1-Dichloropropene	563-58-6	5	ug/l	<12 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	
1,2,3-Trichlorobenzene	87-61-6	5	ug/l	<12 UJ	<5 U	<2.5 UJ	<2.5 U										
1,2,3-Trichloropropane	96-18-4	0.04	ug/l	<12 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	
1,2,4,5-Tetramethylbenzene	95-93-2	5	ug/l	31	1.9 J	<2 U	0.58 J	28	20	14	19	<2 U	1.8 J	<2 U	<2 U	2	
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	<12 UJ	<5 U	<2.5 UJ	<2.5 U										
1,2,4-Trimethylbenzene	95-63-6	5	ug/l	41	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	ug/l	<12 UJ	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.0006	ug/l	<10 U	<4 U	<2 U											
1,2-Dichlorobenzene	95-50-1	3	ug/l	<12 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	
1,2-Dichloroethane	107-06-2	0.6	ug/l	<2.5 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	
1,2-Dichloropropane	78-87-5	1	ug/l	<5 U	<2 U	<1 U	0.81 J	<1 U									
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	5	ug/l	13	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	
1,3-Dichlorobenzene	541-73-1	3	ug/l	<12 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	
1,3-Dichloropropane	142-28-9	5	ug/l	<12 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	
1,4-Dichlorobenzene	106-46-7	3	ug/l	<12 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	
1,4-Diethyl Benzene	105-05-5	NS	ug/l	8.3 J	<4 U	<2 U	<2 U	7.3	6.7	6.6	4.5	<2 U					
1,4-Dioxane (P-Dioxane)	123-91-1	0.35	ug/l	<1,200 UJ	<500 U	<250 UJ	<250 UJ	<250 U									
2,2-Dichloropropane	594-20-7	5	ug/l	<12 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	
2-Chlorotoluene	95-49-8	5	ug/l	<12 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	
2-Hexanone (MBK)	591-78-6	50	ug/l	<25 UJ	<10 U	<5 UJ	<5 U										
4-Chlorotoluene	106-43-4	5	ug/l	<12 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	
4-Ethyltoluene	622-96-8	NS	ug/l	19	<4 U	<2 U	<2 U	1 J	0.8 J	<2 U	0.71 J	<2 U					
Acetone	67-64-1	50	ug/l	16 J	59	18 J	<5 U	<5 UJ	<5 U	<5 U	<5 U	<5 U	2.1 J	<5 U	<5 UJ	<5 U	
Acrylonitrile	107-13-1	5	ug/l	<25 UJ	<10 U	<5 UJ	<5 UJ	<5 U	<5 U	<5 U	<5 UJ	<5 U					
Benzene	71-43-2	1	ug/l	700	0.95 J	0.26 J	1.8	130	170	73	17	<0.5 U	44	3.7	<0.5 U	17	
Bromobenzene	108-86-1	5	ug/l	<12 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	
Bromochloromethane	74-97-5	5	ug/l	<12 U	<5 U	<2.5 UJ	<2.5 U										
Bromodichloromethane	75-27-4	50	ug/l	<2.5 UJ	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	
Bromofrom	75-25-2	50	ug/l	<10 U	<4 U	<2 U											
Bromomethane	74-83-9	5	ug/l	<12 UJ	<5 U	2 J	<2.5 UJ	<2.5 U	<2.5 UJ	<2.5 U	<2.5 U	<2.5 UJ	<2.5 U	<2.5 U	<2.5 U	<2.5 U	
Carbon Disulfide	75-15-0	60	ug/l	<25 UJ	<10 U	<5 UJ	<5 U										
Carbon Tetrachloride	56-23-5	5	ug/l	<2.5 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	
Chlorobenzene	108-90-7	5	ug/l	<12 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	
Chloroethane	75-00-3	5	ug/l	<12 UJ	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 UJ	<2.5 UJ	
Chloroform	67-66-3	7	ug/l	<12 U	<5 U	<2.5 U	0.73 J	<2.5 U									
Chloromethane	74-87-3	5	ug/l	<12 U	<5 U	<2.5 U	<2.5 UJ	<2.5 U	<2.5 UJ	<2.5 UJ							
Cis-1,2-Dichloroethene	156-59-2	5	ug/l	<12 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	
Cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	<2.5 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	
Cymene	99-87-6	5	ug/l	<12 U	<5 U	<2.5 U	<2.5 U	0.82 J	<2.5 U								
Dibromochloromethane	124-48-1	50	ug/l	<2.5 U	<1 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	
Dibromomethane	74-95-3	5	ug/l	<25 U	<10 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 UJ	<5 UJ	
Dichlorodifluoromethane	75-71-8	5	ug/l	<25 UJ	<10 U	<5 U	<5 UJ	<5 U	<5 UJ	<5 UJ							
Diethyl Ether (Ethyl Ether)	60-29-7	NS	ug/l	<12 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 UJ	<2.5 U					
Ethylbenzene	100-41-4	5	ug/l	30	<5 U	<2.5 U	<2.5 U	1.6 J	1.9 J	1.4 J	0.84 J	<2.5 U					
Hexachlorobutadiene	87-68-3	0.5	ug/l	<12 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	
Isopropylbenzene (Cumene)	98-82-8	5	ug/l	96	<5 U	<2.5 U	<2.5 U	27	35	32	22	<2.5 U	5.8	0.75 J	<2.5 U	2.8	
M,P-Xylene	179601-23-1	5	ug/l	32	<5 U	<2.5 U	<2.5 U	2.6	1.3 J	0.97 J	1.4 J	<2.5 U					
Methyl Ethyl Ketone (2-Butanone)	78-93-3	50	ug/l	<25 UJ	22	<5 UJ	<5 U										
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/l	<25 UJ	<10 U	<5 UJ	<5 UJ	<5 UJ	<5 U								
Methylene Chloride	75-09-2	5	ug/l	<12 U	<5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	
Naphthalene	91-20-3	10	ug/l	43 J	<5 U	<2.5 UJ	0.92 J	1.1 J	0.91 J	<2.5 U							
n-Butylbenzene	104-51-8	5	ug/l	8.1 J													

Table 1
Groundwater Sample Analytical Results - May 2025

445 Gerard Avenue
Bronx, New York
NYSDEC BCP Site No.: C203111
Langan Project No.: 170487001

Analyte	CAS Number	NYSDEC SGVs	Sampling Event Location	Baseline	Q1	Q2	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	August 2024	May 2025		
				RMW14	RMW14	RMW14	RMW14	RMW14	RMW14	RMW14	RMW14	RMW14	RMW14	RMW14	RMW14	RMW14	RMW14	RMW14
				Sample Name	RMW14_110520	RMW14_041921	RMW14_070721	DUP01_070721	RMW14_101221	RMW14_011222	RMW14_040822	RMW14_071422	RMW14_100522	RMW14_011323	RMW14_092823	RMW14_080724	RMW14_052925	
				Sample Date	11/05/2020	04/19/2021	07/07/2021	07/07/2021	10/12/2021	01/12/2022	04/08/2022	07/14/2022	10/05/2022	01/13/2023	09/28/2023	08/07/2024	05/29/2025	
			Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result		
Volatile Organic Compounds																		
1,1,1,2-Tetrachloroethane	630-20-6	5	ug/l	<5 U	<5 U	<2.5 U	<2.5 U	<12 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<5 U	<5 U		
1,1,1-Trichloroethane	71-55-6	5	ug/l	<5 U	<5 U	<2.5 U	<2.5 U	<12 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<5 U	<5 U		
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	<1 UJ	<1 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	<0.5 U	<0.5 U	<1 U	<0.5 U	<0.5 U	<1 U	<1 U		
1,1,2-Trichloroethane	79-00-5	1	ug/l	<3 U	<3 U	<1.5 U	<1.5 U	<7.5 U	<1.5 U	<1.5 U	<1.5 U	<3 U	<1.5 U	<1.5 U	<3 U	<3 U		
1,1-Dichloroethane	75-34-3	5	ug/l	<5 U	<5 U	<2.5 U	<2.5 U	<12 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<5 U	<5 U		
1,1-Dichloroethene	75-35-4	5	ug/l	<1 U	<1 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	<0.5 U	<0.5 U	<1 U	<0.5 U	<0.5 U	<1 U	<1 U		
1,1-Dichloropropene	563-58-6	5	ug/l	<5 U	<5 U	<2.5 U	<2.5 U	<12 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<5 U	<5 U		
1,2,3-Trichlorobenzene	87-61-6	5	ug/l	<5 UJ	<5 U	<2.5 UJ	<2.5 UJ	<12 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<5 U	<5 U		
1,2,3-Trichloropropane	96-18-4	0.04	ug/l	<5 U	<5 U	<2.5 U	<2.5 U	<12 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<5 U	<5 U		
1,2,4,5-Tetramethylbenzene	95-93-2	5	ug/l	120	79	70	72	29	40	22	38	46	52	36	20	4 U		
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	<5 UJ	<5 U	<2.5 UJ	<2.5 UJ	<12 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<5 U	<5 U		
1,2,4-Trimethylbenzene	95-63-6	5	ug/l	66	2.5 J	16	12	7.3 J	16	45	79	24	23	13	6.5	<5 U		
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	ug/l	<5 UJ	<5 U	<2.5 U	<2.5 U	<12 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<5 U	<5 U		
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.0006	ug/l	<4 U	<4 U	<2 U	<2 U	<10 U	<2 U	<2 U	<2 U	<4 U	<2 U	<2 U	<4 U	<4 U		
1,2-Dichlorobenzene	95-50-1	3	ug/l	<5 U	<5 U	<2.5 U	<2.5 U	<12 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<5 U	<5 U		
1,2-Dichloroethane	107-06-2	0.6	ug/l	1	<1 U	0.97	1.1	<2.5 U	<0.5 U	<0.5 U	<0.5 U	<1 U	<0.5 U	<0.5 U	<1 U	<1 U		
1,2-Dichloropropane	78-87-5	1	ug/l	<2 U	<2 U	<1 U	<1 U	<5 U	<1 U	<1 U	<1 U	1.9 J	<1 U	<1 U	<2 U	<2 U		
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	5	ug/l	250	220	74	87	12	30	7.8	9.2	4.1 J	5.1	2.8	<5 U	<5 U		
1,3-Dichlorobenzene	541-73-1	3	ug/l	<5 U	<5 U	<2.5 U	<2.5 U	<12 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<5 U	<5 U		
1,3-Dichloropropane	142-28-9	5	ug/l	<5 U	<5 U	<2.5 U	<2.5 U	<12 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<5 U	<5 U		
1,4-Dichlorobenzene	106-46-7	3	ug/l	<5 U	<5 U	<2.5 U	<2.5 U	<12 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<5 U	<5 U		
1,4-Diethyl Benzene	105-05-5	NS	ug/l	20	64	14	15	5.8 J	8.2	5.4	11	13	13	8.8	8.2	<4 U		
1,4-Dioxane (P-Dioxane)	123-91-1	0.35	ug/l	<500 UJ	<500 U	<250 UJ	<250 UJ	<1,200 UJ	<250 U	<250 U	<250 U	<500 U	<250 U	<250 U	<500 U	<500 U		
2,2-Dichloropropane	594-20-7	5	ug/l	<5 U	<5 U	<2.5 U	<2.5 U	<12 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<5 U	<5 U		
2-Chlorotoluene	95-49-8	5	ug/l	<5 U	<5 U	<2.5 U	<2.5 U	<12 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<5 U	<5 U		
2-Hexanone (MBK)	591-78-6	50	ug/l	<10 UJ	4.9 J	<5 UJ	<5 UJ	<25 U	<5 U	<5 U	5.8	<10 U	<5 U	<5 U	<10 U	<10 U		
4-Chlorotoluene	106-43-4	5	ug/l	<5 U	<5 U	<2.5 U	<2.5 U	<12 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<5 U	<5 U		
4-Ethyltoluene	622-96-8	NS	ug/l	46	32	29	29	23	17	14	39	12	9.7	4.2	6.5	<4 U		
Acetone	67-64-1	50	ug/l	4.9 J	26	200 J	<5 UJ	<5 UJ	39	28	<25 UJ	<10 U	<5 U	<5 U	<10 U	4.1 J		
Acrylonitrile	107-13-1	5	ug/l	<10 UJ	<10 U	<5 UJ	<5 UJ	<25 UJ	<5 U	<5 U	<5 UJ	<10 U	<5 U	<5 U	<10 U	<10 U		
Benzene	71-43-2	1	ug/l	7	7.1	6.5	7.4	4.2	0.72	1.3	1.1	1	0.83	0.31 J	<1 U	<1 U		
Bromobenzene	108-86-1	5	ug/l	<5 U	<5 U	<2.5 U	<2.5 U	<12 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<5 U	<5 U		
Bromochloromethane	74-97-5	5	ug/l	<5 U	<5 U	<2.5 UJ	<2.5 UJ	<12 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<5 U	<5 U		
Bromodichloromethane	75-27-4	50	ug/l	<1 UJ	<1 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	<0.5 U	<0.5 U	<1 U	<0.5 U	<0.5 U	<1 U	<1 U		
Bromoform	75-25-2	50	ug/l	<4 U	<4 U	<2 U	<2 U	<10 U	<2 U	<2 U	<2 U	<4 U	<2 U	<2 U	<4 U	<4 U		
Bromomethane	74-83-9	5	ug/l	<5 UJ	<5 U	<2.5 U	<2.5 U	<12 UJ	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 UJ	<2.5 U	<5 U	<5 U		
Carbon Disulfide	75-15-0	60	ug/l	<10 UJ	<10 U	<5 UJ	<5 UJ	<25 U	<5 U	<5 U	<5 U	<10 U	<5 U	<5 U	<10 U	<10 U		
Carbon Tetrachloride	56-23-5	5	ug/l	<1 U	<1 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	<0.5 U	<0.5 U	<1 U	<0.5 U	<0.5 U	<1 U	<1 U		
Chlorobenzene	108-90-7	5	ug/l	<5 U	<5 U	<2.5 U	<2.5 U	<12 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<5 U	<5 U		
Chloroethane	75-00-3	5	ug/l	<5 UJ	8.6	4.8	4.8	<12 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<5 U	<5 U		
Chloroform	67-66-3	7	ug/l	<5 U	<5 U	<2.5 U	<2.5 U	<12 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<5 U	<5 U		
Chloromethane	74-87-3	5	ug/l	<5 U	<5 U	<2.5 U	<2.5 U	<12 UJ	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<5 U	3.5 J		
Cis-1,2-Dichloroethene	156-59-2	5	ug/l	<5 U	<5 U	<2.5 U	<2.5 U	<12 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<5 U	<5 U		
Cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	<1 U	<1 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	<0.5 U	<0.5 U	<1 U	<0.5 U	<0.5 U	<1 U	<1 U		
Cymene	99-87-6	5	ug/l	8.3	8.3	7.5	6.8	<12 U	3.5	5.3	4.8	4.3 J	5.1	3.1	<5 U	<5 U		
Dibromochloromethane	124-48-1	50	ug/l	<1 U	<1 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	<0.5 U	<0.5 U	<1 U	<0.5 U	<0.5 U	<1 U	<1 U		
Dibromomethane	74-95-3	5	ug/l	<10 U	<10 U	<5 U	<5 U	<25 U	<5 U	<5 U	<5 U	<10 U	<5 U	<5 U	<10 U	<10 U		
Dichlorodifluoromethane	75-71-8	5	ug/l	<10 UJ	<10 U	<5 U	<5 U	<25 UJ	<5 U	<5 U	<5 U	<10 U	<5 U	<5 U	<10 U	<10 U		
Diethyl Ether (Ethyl Ether)	60-29-7	NS	ug/l	<5 U	<5 U	<2.5 U	<2.5 U	<12 U	<2.5 U	<2.5 U	<2.5 UJ	<5 U	<2.5 U	<2.5 U	<5 U	<5 U		
Ethylbenzene	100-41-4	5	ug/l	160	55	64	60	210	120	130	200	160	200	27	28	<5 U		
Hexachlorobutadiene	87-68-3	0.5	ug/l	<5 U	<5 U	<2.5 U	<2.5 U	<12 U	<2.5 U	<2.5 U	<2.5 U	<5 U	<2.5 U	<2.5 U	<5 U	<5 U		
Isopropylbenzene (Cumene)	98-82-8	5	ug/l	160	170	110	120	97	73	46	92	73	100	78	68	<5 U		
M,P-Xylene	179601-23-1	5	ug/l	38	19	22	22	73	5.4	12	27	13	11	4	2.4 J	<5 U		
Methyl Ethyl Ketone (2-Butanone)	78-93-3	50	ug/l	<10 UJ	60	<5 UJ	<5 UJ	<25 UJ	<5 UJ	52	37 J	<10 U	<5 U	<5 U	<10 U	<10 U		
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/l	<10 UJ	5.5 J	6.3 J	6 J	<25 UJ	1.3 J	1.8 J	7.9	<10 U	<5 U	<5 U	<10 U	<10 U		
Methylene Chloride	75-09-2	5	ug/l	<5 U	<5 U	<2.5 U	<2.5 U	<12 U	<2.5 U	0.85 J	<2.5 U	<5 U	<2.5 U	0.73 J	<5 U	<5 U		
Naphthalene	91-20-3	10	ug/l	120 J	53	62 J	69 J	160	140 J	52	120	87	49	19	28	<5 U		
n-Butylbenzene	104-51-8	5	ug/l	24	9.7	6.1	6.6	<12 U	4.2	2.9	4.5	6.1	6	4.6	3.6 J	<5 U		
n-Propylbenzene	103-65-1	5	ug/l	320	280	190	200	150	160	84	160	140	180	150	100	<5 U		
o-Xylene (1,2-Dimethylbenzene)	95-47-6	5	ug/l	12	5.5	3.8	4.1	5.6 J	4.2	3.4	7.3	2.9 J	3.5	1.9 J	2.4 J	<5 U		
Sec-Butylbenzene	135-98-8	5	ug/l	14	9.7	6.2</												

445 Gerard Avenue
Bronx, New York
NYSDEC BCP Site No.: C203111
Langan Project No.: 170487001

Notes:

CAS - Chemical Abstract Service

NS - No standard

ug/l - microgram per liter

NA - Not analyzed

RL - Reporting limit

<RL - Not detected

Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 Codes, Rules, and Regulations (NYCRR) Part 703.5 and the NYSDEC Technical and Operation Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water and published addenda (herein collectively referenced as "NYSDEC SGVs").

Qualifiers:

J - The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

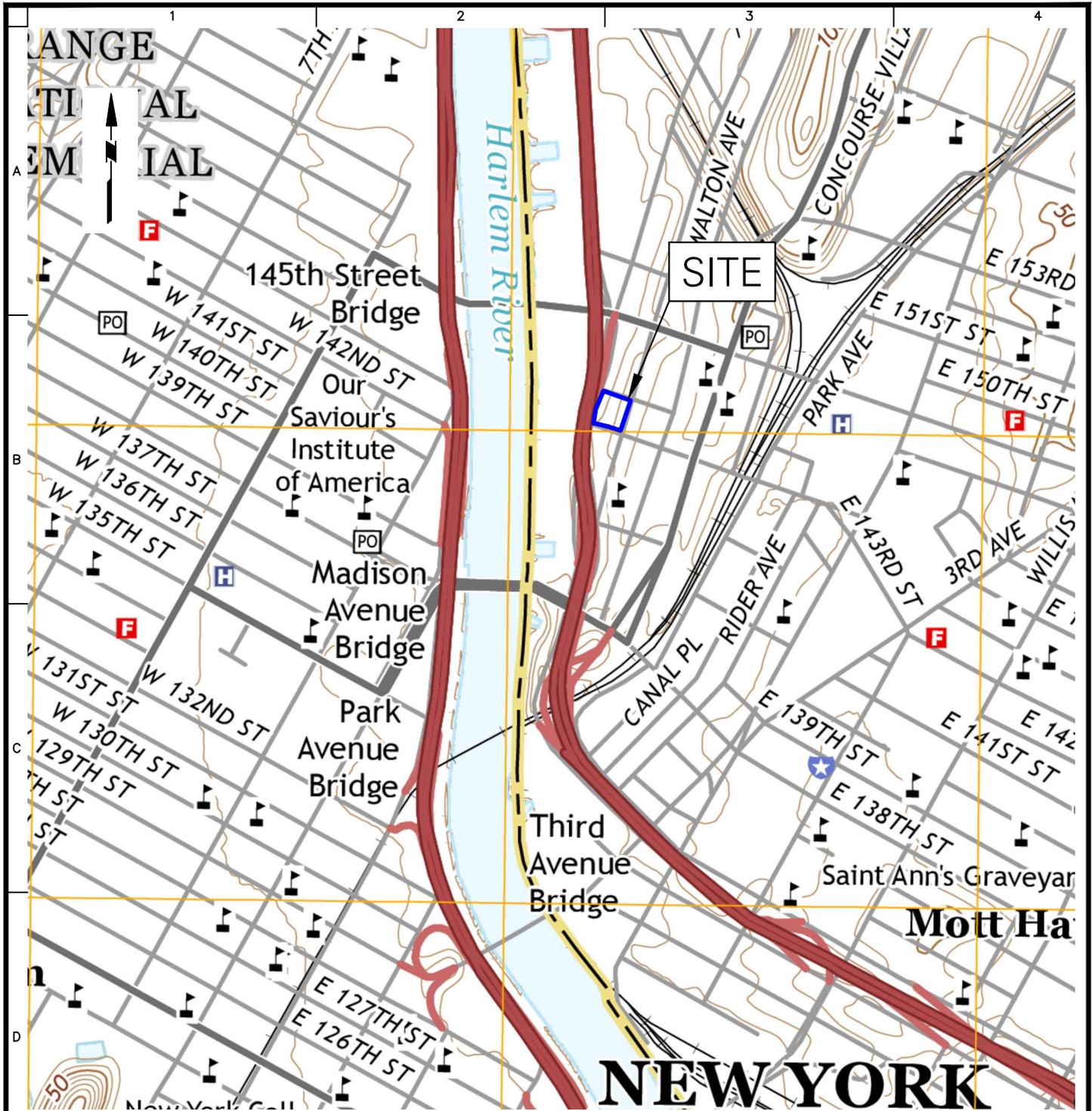
UJ - The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is approximate and may be inaccurate or imprecise.

U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Exceedance Summary:

10 - Result exceeds NYSDEC SGVs

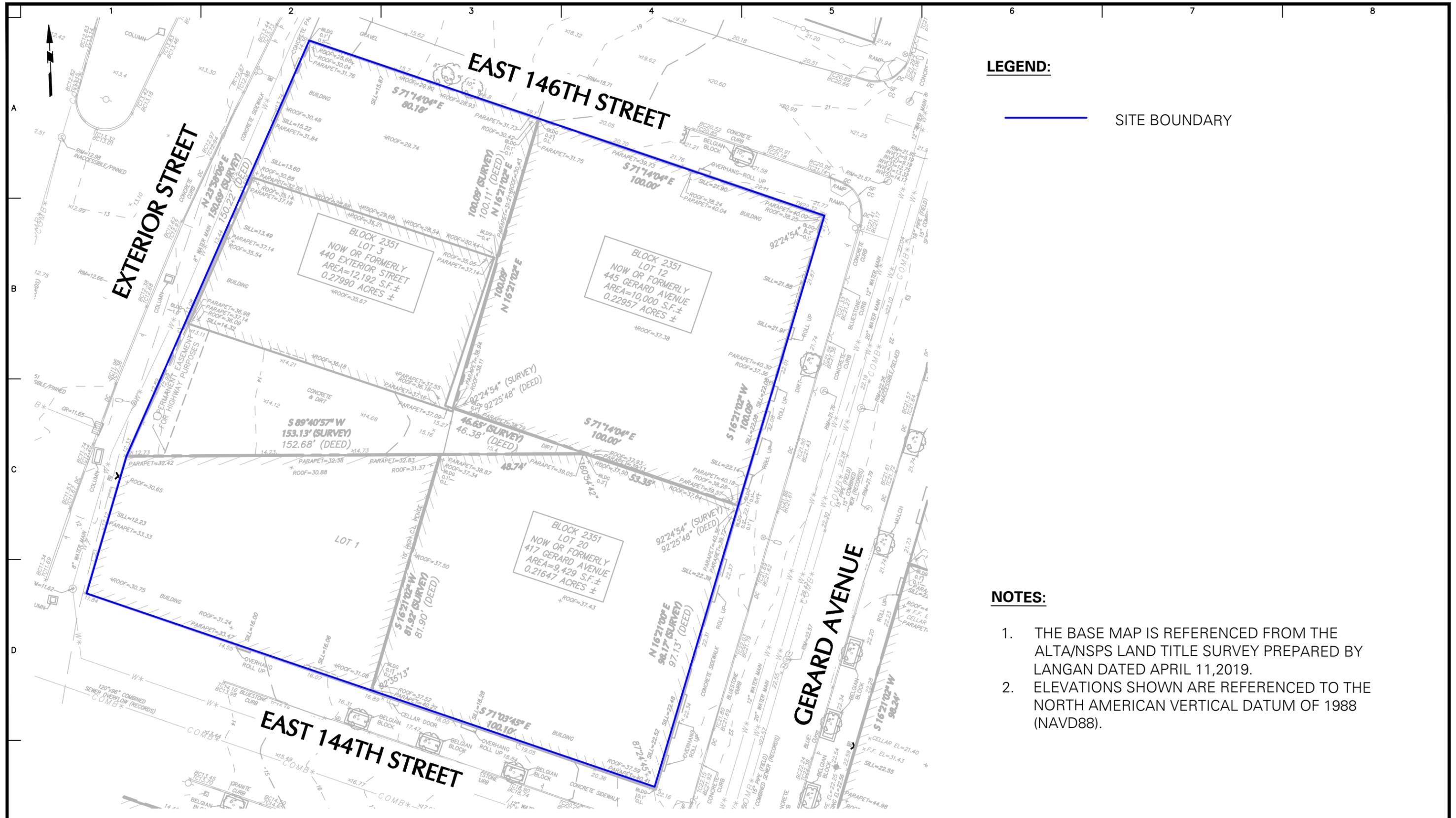
FIGURES



— SITE BOUNDARY

NOTE: BASE MAP IS REFERENCED FROM THE UNITED STATES GEOLOGICAL SURVEY (USGS) 7.5 MINUTE SERIES CENTRAL PARK QUADRANGLE MAP, DATED 2016

LANGAN Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 21 Penn Plaza, 360 West 31st Street, 8th Floor New York, NY 10001 T: 212.479.5400 F: 212.479.5444 www.langan.com	Project	Figure Title	Project No.	Figure No.
	GERARD AVENUE AND EAST 146TH STREET	SITE LOCATION MAP	170487003	1
	BLOCK No. 2351, LOT Nos. 1, 3, 12, & 20		Date	
	BRONX NEW YORK		08/27/2021	
			Drawn By	
			LE	
			Checked By	
			KS	

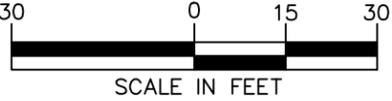


LEGEND:

— SITE BOUNDARY

NOTES:

1. THE BASE MAP IS REFERENCED FROM THE ALTA/NSPS LAND TITLE SURVEY PREPARED BY LANGAN DATED APRIL 11, 2019.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).



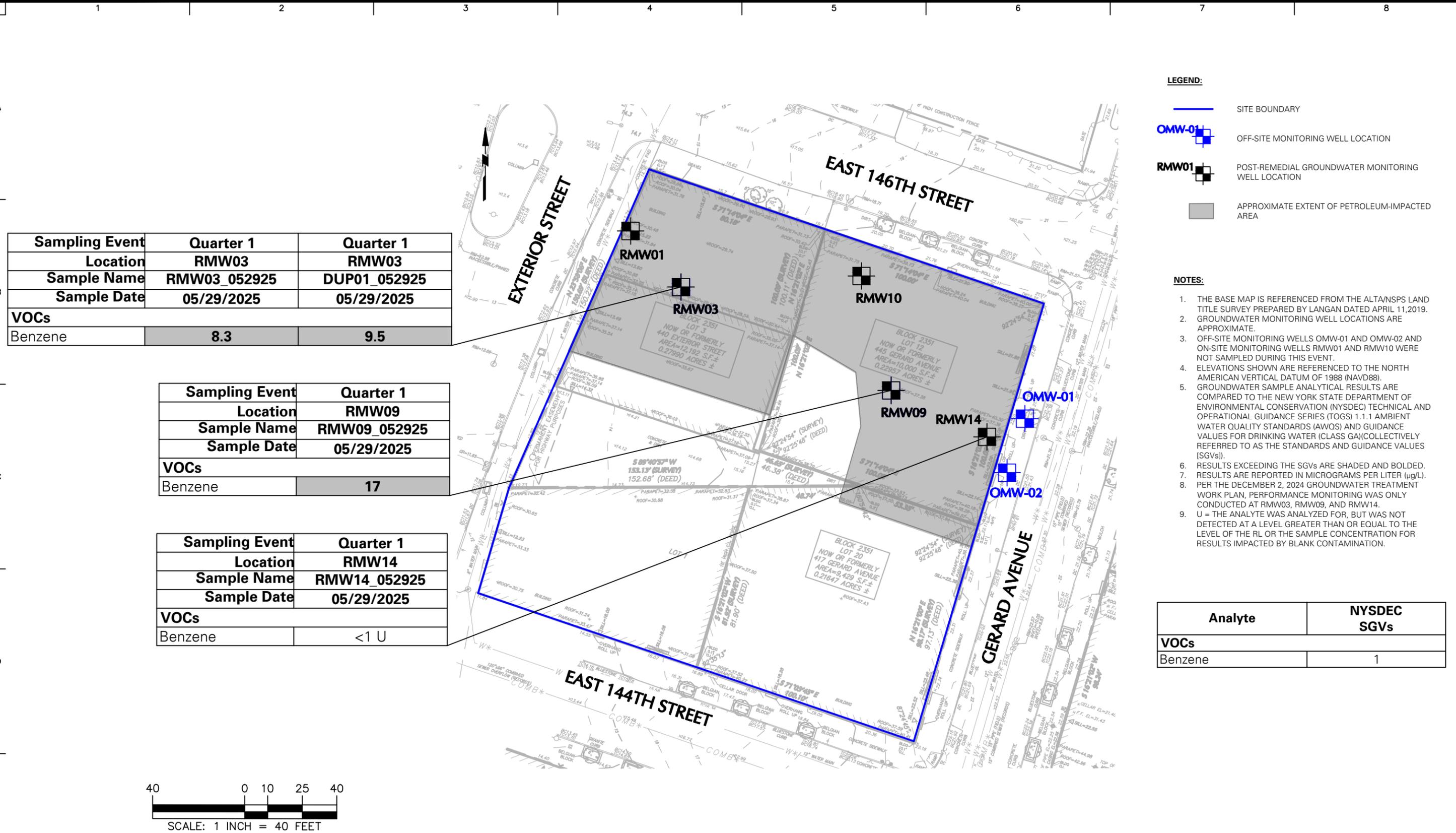
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Project
**GERARD AVENUE
 AND EAST 146TH
 STREET**
 BLOCK No. 2351 LOT Nos. 1, 3, 12, & 20
 BRONX NEW YORK

Figure Title
SITE LAYOUT PLAN

Project No.
 170487003
 Date
 5/23/2019
 Drawn By
 RB
 Checked By
 JL

Figure No.
2



Sampling Event	Quarter 1	Quarter 1
Location	RMW03	RMW03
Sample Name	RMW03_052925	DUP01_052925
Sample Date	05/29/2025	05/29/2025
VOCs		
Benzene	8.3	9.5

Sampling Event	Quarter 1
Location	RMW09
Sample Name	RMW09_052925
Sample Date	05/29/2025
VOCs	
Benzene	17

Sampling Event	Quarter 1
Location	RMW14
Sample Name	RMW14_052925
Sample Date	05/29/2025
VOCs	
Benzene	<1 U

LEGEND:

- SITE BOUNDARY
- OMW-01 OFF-SITE MONITORING WELL LOCATION
- RMW01 POST-REMEDIATION GROUNDWATER MONITORING WELL LOCATION
- APPROXIMATE EXTENT OF PETROLEUM-IMPACTED AREA

NOTES:

1. THE BASE MAP IS REFERENCED FROM THE ALTA/NSPS LAND TITLE SURVEY PREPARED BY LANGAN DATED APRIL 11, 2019.
2. GROUNDWATER MONITORING WELL LOCATIONS ARE APPROXIMATE.
3. OFF-SITE MONITORING WELLS OMW-01 AND OMW-02 AND ON-SITE MONITORING WELLS RMW01 AND RMW10 WERE NOT SAMPLED DURING THIS EVENT.
4. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
5. GROUNDWATER SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS (AWQS) AND GUIDANCE VALUES FOR DRINKING WATER (CLASS GA) (COLLECTIVELY REFERRED TO AS THE STANDARDS AND GUIDANCE VALUES (SGVs)).
6. RESULTS EXCEEDING THE SGVs ARE SHADED AND BOLDED.
7. RESULTS ARE REPORTED IN MICROGRAMS PER LITER (µg/L).
8. PER THE DECEMBER 2, 2024 GROUNDWATER TREATMENT WORK PLAN, PERFORMANCE MONITORING WAS ONLY CONDUCTED AT RMW03, RMW09, AND RMW14.
9. U = THE ANALYTE WAS ANALYZED FOR, BUT WAS NOT DETECTED AT A LEVEL GREATER THAN OR EQUAL TO THE LEVEL OF THE RL OR THE SAMPLE CONCENTRATION FOR RESULTS IMPACTED BY BLANK CONTAMINATION.

Analyte	NYSDEC SGVs
VOCs	
Benzene	1



WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

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Project
**GERARD AVENUE
 AND EAST 146TH
 STREET**
 BLOCK No. 2351 LOT Nos. 1, 3, 12, & 20
 BRONX NEW YORK

Figure Title
**GROUNDWATER
 SAMPLE RESULTS
 MAP**

Project No.
 170487003
 Date
 7/1/2025
 Drawn By
 CD
 Checked By
 LE

Figure No.
3

ATTACHMENT A

Daily Site Observation Report

DAILY FIELD REPORT

LANGAN

PROJECT No.: 170487001	CLIENT:	DATE: Thursday, May 29, 2025
PROJECT: 445 Gerard Avenue	445 Gerard Owner LLC c/o The Domain Companies	WEATHER: Overcast, 60-65 °F Wind: NE @ 2 – 4 mph
LOCATION: Brooklyn, New York		TIME: 7:30 am – 4:30 pm
BCP Site Number: C203111		MONITOR: Shawn Martin

EQUIPMENT: Photoionization detector (PID) Peristaltic Pump Horiba U-52 Multiparameter Water Quality Meter Solinst Water Level Meter	PRESENT AT SITE: Langan: Shawn Martin
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OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:
Langan was on-site to perform quarterly groundwater sampling in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved December 2, 2024 Groundwater Treatment Work Plan.

Site Activities

- Langan used a peristaltic pump to purge and sample groundwater monitoring wells RMW03, RMW09, and RMW14. Purged groundwater was screened for odors, sheen, and organic vapors using a photoionization detector (PID). PID readings between 0.0 parts per million (ppm) and 0.1 ppm were observed in all wells beneath the well caps. Petroleum-like odors were observed from purged groundwater from wells RMW03 and RMW09. Purged groundwater was containerized in a 55-gallon New York State Department of Transportation (NYSDOT)-approved drum for future disposal.

Material Tracking

- No material was exported from the site.
- No material was imported to the site.

Sampling

- Langan collected three groundwater samples, RMW03_052925, RMW09_052925, and RMW14_052925 plus quality assurance/quality control (QA/QC) samples, to be analyzed for volatile organic compounds (VOCs).
- Samples were submitted to Pace Analytical Laboratories, Inc. (Pace) of Westborough, Massachusetts, a New York State Department of Health (NYSDOH) Environmental Laboratory Accredited Program (ELAP)-certified laboratory under standard chain-of-custody protocols.

CAMP Activities

- Community air monitoring was not implemented as ground intrusive work was not being performed.

Anticipated Activities

- The next round of groundwater sampling is scheduled for August 2025.

Cc:	B. Gochenaur, M. Aronica, C. Devin (Langan)	By:	Shawn Martin LANGAN
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Site Photographs:



Photo 1: View of groundwater sampling at monitoring well RMW09



Photo 2: View of purged groundwater stored in labeled 55-gallon drum.

Cc:	B. Gochenaur, M. Aronica, C. Devin (Langan)	By:	Shawn Martin LANGAN
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Figure 1: Site Map



Legend:

-  Site Boundary
-  Purged and sampled groundwater monitoring well
-  Location of 55-gallon drum

Cc:	B. Gochenaur, M. Aronica, C. Devin (Langan)	By:	Shawn Martin LANGAN
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ATTACHMENT B

Well Purging and Sampling Logs

Project Information		Well Information		Equipment Information			Sampling Conditions			Sampling Information	
Project Name:	445 Gerard Avenue	Well No:	RMW03	Water Quality Device Model:	Horiba U-52	Weather:	Overcast, 60-65			Sample(s):	RMW03_052925
Project Number:	170487001	Well Depth:	15.75	Pine Number:	AF36	Background PID (ppm):	0.00				
Site Location:	Bronx, NY	Well Diameter:	2 inch	Pump Make and Model:	Peristaltic Pump	PID Beneath Inner Cap (ppm):	0.00				
Sampling Personnel:	Shawn Martin	Well Screen Interval:		Pine Number:	GEO2757	Pump Intake Depth:	15 feet			Sample Date:	05/29/25
				Tubing Diameter:	1/4" LDPE	Depth to Water Before Purge:	11.18 feet			Sample Time:	12:40
STABILIZATION = 3 successive readings within limits											
TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
11:45	17.52	7.42	-87	3.980	37.6	0.76	11.18	0.1	0.05		N/A
11:50	17.16	7.63	-152	3.350	0.4	0.13	12.10	0.1	0.1		N/A
11:55	17.21	7.67	-156	3.480	3.1	0.15	13.35	0.1	0.2		N
12:00	17.12	7.70	-168	3.700	3.1	0.06	13.75	0.1	0.5		N
12:05	17.10	7.67	-170	3.910	3.8	0.00	13.91	0.1	0.75		N
12:10	17.08	7.69	-174	4.060	4.6	0.00	14.00	0.1	1		N
12:15	17.08	7.75	-177	4.220	5.0	0.00	14.18	0.1	1.25		N
12:20	17.08	7.72	-182	4.430	4.9	0.00	14.25	0.1	1.5		N
12:25	17.08	7.71	-185	4.630	5.0	0.00	14.39	0.1	1.75		N
12:30	17.07	7.71	-189	4.650	4.8	0.00	14.47	0.1	2		N
12:35	17.06	7.70	-184	4.690	5.0	0.00	14.51	0.1	2.25		Y
Notes:											
1. Well depths and groundwater depths were measured in feet below the top of well casing, northern most point.											
2. Well and tubing diameters are measured in inches.											
3. PID = Photoionization Detector											
4. PPM = Parts per million											
5. pH = Hydrogen ion concentration											
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)											
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)											
8. DTW = Depth to water											
9. mS/cm = milli-Siemens per centimeter											
10. NTU = Nephelometric Turbidity Unit											
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Project Information		Well Information		Equipment Information			Sampling Conditions			Sampling Information	
Project Name:	445 Gerard Avenue	Well No:	RMW09	Water Quality Device Model:	Horiba U-52		Weather:	Overcast, 60-65		Sample(s):	RMW09_052925
Project Number:	170487001	Well Depth:	16.90	Pine Number:	AF36		Background PID (ppm):	0.00		Sample Date:	05/29/2025
Site Location:	Bronx, NY	Well Diameter:	2 inch	Pump Make and Model:	Peristaltic Pump		PID Beneath Inner Cap (ppm):	0.10		Sample Time:	11:00
Sampling Personnel:	Shawn Martin	Well Screen Interval:		Pine Number:	GEO2757		Pump Intake Depth:	16 feet			
				Tubing Diameter:	1/4' LDPE		Depth to Water Before Purge:	12.02 feet			
STABILIZATION = 3 successive readings within limits											
TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
10:00	18.21	7.25	167	3.400	14.6	0.10	12.02	0.3	0.1		N/A
10:05	18.09	7.22	76	3.240	9.2	0.08	12.56	0.1	0.4		N/A
10:10	18.09	7.20	26	3.140	2.1	0.08	13.04	0.1	0.6		N
10:15	18.06	7.19	-13	3.060	5.0	0.05	13.05	0.2	0.8		N
10:20	18.05	7.18	-54	2.970	5.7	0.08	13.05	0.1	1		N
10:25	18.02	7.15	-79	2.870	6.2	0.07	13.05	0.1	1.2		N
10:30	18.00	7.16	-99	3.860	6.2	0.05	13.05	0.1	1.4		N
10:35	18.00	7.13	-106	3.750	3.4	0.07	13.05	0.1	1.6		N
10:40	18.01	7.12	-111	3.670	3.0	0.04	13.05	0.1	2		N
10:45	18.03	7.11	-116	3.540	0.8	0.03	13.05	0.1	2.2		N
10:50	18.02	7.10	-117	3.520	0.6	0.02	13.05	0.1	2.5		N
10:55	18.02	7.10	-119	3.460	0.0	0.02	13.05	0.05	2.75		Y
Notes:											
1. Well depths and groundwater depths were measured in feet below the top of well casing, northern most point.											
2. Well and tubing diameters are measured in inches.											
3. PID = Photoionization Detector											
4. PPM = Parts per million											
5. pH = Hydrogen ion concentration											
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)											
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)											
8. DTW = Depth to water											
9. mS/cm = milli-Siemens per centimeter											
10. NTU = Nephelometric Turbidity Unit											
LANGAN Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 368 Ninth Avenue 8th Floor, New York, New York											

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information			
Project Name:	445 Gerard Avenue	Well No:	RMW14	Water Quality Device Model:	Horiba U-52	Weather:	Overcast, 60-65	Sample(s):	RMW14_052925		
Project Number:	170487001	Well Depth:	14.98	Pine Number:	AF36	Background PID (ppm):	0.00				
Site Location:	Bronx, NY	Well Diameter:	2 inch	Pump Make and Model:	Peristaltic Pump	PID Beneath Inner Cap (ppm):	0.00	Sample Date:	05/29/2025		
Sampling Personnel:	Shawn Martin	Well Screen Interval:		Pine Number:	GEO2757	Pump Intake Depth:	14.90		Sample Time:	15:00	
STABILIZATION = 3 successive readings within limits											
TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
13:25	18.81	7.96	142	3.510	1000.0	3.01	13.20	0.1	0.1		N/A
13:55	18.98	7.80	173	3.450	1000.0	3.61	13.70	0.1	0.2		N/A
14:25	19.36	7.32	221	3.330	741.0	4.94	13.70	0.1	0.3		N
Notes:											
1. Well depths and groundwater depths were measured in feet below the top of well casing, northern most point.											
2. Well and tubing diameters are measured in inches.											
3. PID = Photoionization Detector											
4. PPM = Parts per million											
5. pH = Hydrogen ion concentration											
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)											
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)											
8. DTW = Depth to water											
9. mS/cm = milli-Siemens per centimeter											
10. NTU = Nephelometric Turbidity Unit											
LANGAN Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.											
368 Ninth Avenue 8th Floor, New York, New York											

ATTACHMENT C

Laboratory Analytical Report



ANALYTICAL REPORT

Lab Number:	L2533501
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Meghan Aronica
Phone:	(212) 479-5499
Project Name:	445 GERARD AVENUE
Project Number:	170487001
Report Date:	06/12/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-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).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: 445 GERARD AVENUE
Project Number: 170487001

Lab Number: L2533501
Report Date: 06/12/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2533501-01	RMW09_052925	WATER	445 GERARD AVENUE, BRONX, NY	05/29/25 11:00	05/29/25
L2533501-02	RMW03_052925	WATER	445 GERARD AVENUE, BRONX, NY	05/29/25 12:40	05/29/25
L2533501-03	FB01_052925	WATER	445 GERARD AVENUE, BRONX, NY	05/29/25 14:50	05/29/25
L2533501-04	RMW14_052925	WATER	445 GERARD AVENUE, BRONX, NY	05/29/25 15:00	05/29/25
L2533501-05	DUP01_052925	WATER	445 GERARD AVENUE, BRONX, NY	05/29/25 00:00	05/29/25
L2533501-06	TB01_052925	WATER	445 GERARD AVENUE, BRONX, NY	05/29/25 00:00	05/29/25

Project Name: 445 GERARD AVENUE
Project Number: 170487001

Lab Number: L2533501
Report Date: 06/12/25

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: 445 GERARD AVENUE
Project Number: 170487001

Lab Number: L2533501
Report Date: 06/12/25

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.

Sample Receipt

The project number was specified by the client.

Volatile Organics

L2533501-04D: The sample has elevated detection limits due to the dilution required by the sample matrix (black particles).

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:

Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative

Date: 06/12/25

ORGANICS

VOLATILES

Project Name: 445 GERARD AVENUE**Lab Number:** L2533501**Project Number:** 170487001**Report Date:** 06/12/25**SAMPLE RESULTS**

Lab ID: L2533501-01
 Client ID: RMW09_052925
 Sample Location: 445 GERARD AVENUE, BRONX, NY

Date Collected: 05/29/25 11:00
 Date Received: 05/29/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/10/25 15:02
 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	17		ug/l	0.50	0.16	1
Toluene	0.71	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	0.94	J	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: 445 GERARD AVENUE**Lab Number:** L2533501**Project Number:** 170487001**Report Date:** 06/12/25**SAMPLE RESULTS**

Lab ID: L2533501-01
 Client ID: RMW09_052925
 Sample Location: 445 GERARD AVENUE, BRONX, NY

Date Collected: 05/29/25 11:00
 Date Received: 05/29/25
 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	0.80	J	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	2.8		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: 445 GERARD AVENUE
Project Number: 170487001

Lab Number: L2533501
Report Date: 06/12/25

SAMPLE RESULTS

Lab ID: L2533501-01
Client ID: RMW09_052925
Sample Location: 445 GERARD AVENUE, BRONX, NY

Date Collected: 05/29/25 11:00
Date Received: 05/29/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	1.3	J	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	2.0		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	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Project Name: 445 GERARD AVENUE
Project Number: 170487001

Lab Number: L2533501
Report Date: 06/12/25

SAMPLE RESULTS

Lab ID: L2533501-02
 Client ID: RMW03_052925
 Sample Location: 445 GERARD AVENUE, BRONX, NY

Date Collected: 05/29/25 12:40
 Date Received: 05/29/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/10/25 15:26
 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
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	8.3		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	0.85	J	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: 445 GERARD AVENUE

Lab Number: L2533501

Project Number: 170487001

Report Date: 06/12/25

SAMPLE RESULTS

Lab ID: L2533501-02
 Client ID: RMW03_052925
 Sample Location: 445 GERARD AVENUE, BRONX, NY

Date Collected: 05/29/25 12:40
 Date Received: 05/29/25
 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	1.6	J	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: 445 GERARD AVENUE
Project Number: 170487001

Lab Number: L2533501
Report Date: 06/12/25

SAMPLE RESULTS

Lab ID: L2533501-02
Client ID: RMW03_052925
Sample Location: 445 GERARD AVENUE, BRONX, NY

Date Collected: 05/29/25 12:40
Date Received: 05/29/25
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	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

Project Name: 445 GERARD AVENUE**Lab Number:** L2533501**Project Number:** 170487001**Report Date:** 06/12/25**SAMPLE RESULTS**

Lab ID: L2533501-03
 Client ID: FB01_052925
 Sample Location: 445 GERARD AVENUE, BRONX, NY

Date Collected: 05/29/25 14:50
 Date Received: 05/29/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/10/25 15:50
 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	0.93	J	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: 445 GERARD AVENUE

Lab Number: L2533501

Project Number: 170487001

Report Date: 06/12/25

SAMPLE RESULTS

Lab ID: L2533501-03
 Client ID: FB01_052925
 Sample Location: 445 GERARD AVENUE, BRONX, NY

Date Collected: 05/29/25 14:50
 Date Received: 05/29/25
 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: 445 GERARD AVENUE
Project Number: 170487001

Lab Number: L2533501
Report Date: 06/12/25

SAMPLE RESULTS

Lab ID: L2533501-03
Client ID: FB01_052925
Sample Location: 445 GERARD AVENUE, BRONX, NY

Date Collected: 05/29/25 14:50
Date Received: 05/29/25
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	94		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: 445 GERARD AVENUE
Project Number: 170487001

Lab Number: L2533501
Report Date: 06/12/25

SAMPLE RESULTS

Lab ID: L2533501-04 D
 Client ID: RMW14_052925
 Sample Location: 445 GERARD AVENUE, BRONX, NY

Date Collected: 05/29/25 15:00
 Date Received: 05/29/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/11/25 13:53
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
1,3-Dichloropropene, Total	ND		ug/l	1.0	0.29	2
1,1-Dichloropropene	ND		ug/l	5.0	1.4	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	3.5	J	ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	ND		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2



Project Name: 445 GERARD AVENUE

Lab Number: L2533501

Project Number: 170487001

Report Date: 06/12/25

SAMPLE RESULTS

Lab ID: L2533501-04 D
 Client ID: RMW14_052925
 Sample Location: 445 GERARD AVENUE, BRONX, NY

Date Collected: 05/29/25 15:00
 Date Received: 05/29/25
 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	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	0.33	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
Xylenes, Total	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
1,2-Dichloroethene, Total	ND		ug/l	5.0	1.4	2
Dibromomethane	ND		ug/l	10	2.0	2
1,2,3-Trichloropropane	ND		ug/l	5.0	1.4	2
Acrylonitrile	ND		ug/l	10	3.0	2
Styrene	1.6	J	ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	4.1	J	ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
Vinyl acetate	ND		ug/l	10	2.0	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
2,2-Dichloropropane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,3-Dichloropropane	ND		ug/l	5.0	1.4	2
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	1.4	2
Bromobenzene	ND		ug/l	5.0	1.4	2
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	ND		ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
o-Chlorotoluene	ND		ug/l	5.0	1.4	2
p-Chlorotoluene	ND		ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Hexachlorobutadiene	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	ND		ug/l	5.0	1.4	2



Project Name: 445 GERARD AVENUE**Lab Number:** L2533501**Project Number:** 170487001**Report Date:** 06/12/25**SAMPLE RESULTS**

Lab ID: L2533501-04 D

Date Collected: 05/29/25 15:00

Client ID: RMW14_052925

Date Received: 05/29/25

Sample Location: 445 GERARD AVENUE, BRONX, 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	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,4-Dioxane	ND		ug/l	500	120	2
p-Diethylbenzene	ND		ug/l	4.0	1.4	2
p-Ethyltoluene	ND		ug/l	4.0	1.4	2
1,2,4,5-Tetramethylbenzene	ND		ug/l	4.0	1.1	2
Ethyl ether	ND		ug/l	5.0	1.4	2
trans-1,4-Dichloro-2-butene	ND		ug/l	5.0	1.4	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	103		70-130

Project Name: 445 GERARD AVENUE
Project Number: 170487001

Lab Number: L2533501
Report Date: 06/12/25

SAMPLE RESULTS

Lab ID: L2533501-05
 Client ID: DUP01_052925
 Sample Location: 445 GERARD AVENUE, BRONX, NY

Date Collected: 05/29/25 00:00
 Date Received: 05/29/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/10/25 16:39
 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
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	9.5		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: 445 GERARD AVENUE**Lab Number:** L2533501**Project Number:** 170487001**Report Date:** 06/12/25**SAMPLE RESULTS**

Lab ID: L2533501-05
 Client ID: DUP01_052925
 Sample Location: 445 GERARD AVENUE, BRONX, NY

Date Collected: 05/29/25 00:00
 Date Received: 05/29/25
 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	1.6	J	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: 445 GERARD AVENUE
Project Number: 170487001

Lab Number: L2533501
Report Date: 06/12/25

SAMPLE RESULTS

Lab ID: L2533501-05
Client ID: DUP01_052925
Sample Location: 445 GERARD AVENUE, BRONX, NY

Date Collected: 05/29/25 00:00
Date Received: 05/29/25
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	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

Project Name: 445 GERARD AVENUE
Project Number: 170487001

Lab Number: L2533501
Report Date: 06/12/25

SAMPLE RESULTS

Lab ID: L2533501-06
 Client ID: TB01_052925
 Sample Location: 445 GERARD AVENUE, BRONX, NY

Date Collected: 05/29/25 00:00
 Date Received: 05/29/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/10/25 17:03
 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: 445 GERARD AVENUE**Lab Number:** L2533501**Project Number:** 170487001**Report Date:** 06/12/25**SAMPLE RESULTS**

Lab ID: L2533501-06
 Client ID: TB01_052925
 Sample Location: 445 GERARD AVENUE, BRONX, NY

Date Collected: 05/29/25 00:00
 Date Received: 05/29/25
 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: 445 GERARD AVENUE
Project Number: 170487001

Lab Number: L2533501
Report Date: 06/12/25

SAMPLE RESULTS

Lab ID: L2533501-06
 Client ID: TB01_052925
 Sample Location: 445 GERARD AVENUE, BRONX, NY

Date Collected: 05/29/25 00:00
 Date Received: 05/29/25
 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	93		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: 445 GERARD AVENUE
Project Number: 170487001

Lab Number: L2533501
Report Date: 06/12/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/10/25 08:54
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-06 Batch: WG2077537-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 445 GERARD AVENUE
Project Number: 170487001

Lab Number: L2533501
Report Date: 06/12/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/10/25 08:54
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-06 Batch: WG2077537-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
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
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 445 GERARD AVENUE
Project Number: 170487001

Lab Number: L2533501
Report Date: 06/12/25

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 1,8260D
 Analytical Date: 06/10/25 08:54
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-06 Batch: WG2077537-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Project Name: 445 GERARD AVENUE
Project Number: 170487001

Lab Number: L2533501
Report Date: 06/12/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/11/25 13:31
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG2077930-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 445 GERARD AVENUE
Project Number: 170487001

Lab Number: L2533501
Report Date: 06/12/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/11/25 13:31
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG2077930-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
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	0.81	J	ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 445 GERARD AVENUE
Project Number: 170487001

Lab Number: L2533501
Report Date: 06/12/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/11/25 13:31
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG2077930-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: 445 GERARD AVENUE

Lab Number: L2533501

Project Number: 170487001

Report Date: 06/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06 Batch: WG2077537-3 WG2077537-4								
Methylene chloride	110		91		70-130	19		20
1,1-Dichloroethane	120		100		70-130	18		20
Chloroform	110		98		70-130	12		20
Carbon tetrachloride	96		90		63-132	6		20
1,2-Dichloropropane	110		100		70-130	10		20
Dibromochloromethane	82		78		63-130	5		20
1,1,2-Trichloroethane	87		84		70-130	4		20
Tetrachloroethene	100		93		70-130	7		20
Chlorobenzene	110		99		75-130	11		20
Trichlorofluoromethane	120		100		62-150	18		20
1,2-Dichloroethane	98		95		70-130	3		20
1,1,1-Trichloroethane	100		97		67-130	3		20
Bromodichloromethane	92		86		67-130	7		20
trans-1,3-Dichloropropene	85		81		70-130	5		20
cis-1,3-Dichloropropene	94		88		70-130	7		20
1,1-Dichloropropene	100		95		70-130	5		20
Bromoform	77		72		54-136	7		20
1,1,2,2-Tetrachloroethane	88		86		67-130	2		20
Benzene	100		99		70-130	1		20
Toluene	100		97		70-130	3		20
Ethylbenzene	110		99		70-130	11		20
Chloromethane	120		95		64-130	23	Q	20
Bromomethane	89		85		39-139	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 445 GERARD AVENUE

Lab Number: L2533501

Project Number: 170487001

Report Date: 06/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06 Batch: WG2077537-3 WG2077537-4								
Vinyl chloride	120		100		55-140	18		20
Chloroethane	140	Q	110		55-138	24	Q	20
1,1-Dichloroethene	120		98		61-145	20		20
trans-1,2-Dichloroethene	110		100		70-130	10		20
Trichloroethene	94		89		70-130	5		20
1,2-Dichlorobenzene	110		100		70-130	10		20
1,3-Dichlorobenzene	110		100		70-130	10		20
1,4-Dichlorobenzene	110		100		70-130	10		20
Methyl tert butyl ether	89		84		63-130	6		20
p/m-Xylene	110		100		70-130	10		20
o-Xylene	105		95		70-130	10		20
cis-1,2-Dichloroethene	110		100		70-130	10		20
Dibromomethane	100		94		70-130	6		20
1,2,3-Trichloropropane	96		93		64-130	3		20
Acrylonitrile	97		85		70-130	13		20
Styrene	105		95		70-130	10		20
Dichlorodifluoromethane	120		97		36-147	21	Q	20
Acetone	90		71		58-148	24	Q	20
Carbon disulfide	120		100		51-130	18		20
2-Butanone	94		86		63-138	9		20
Vinyl acetate	130		130		70-130	0		20
4-Methyl-2-pentanone	69		73		59-130	6		20
2-Hexanone	73		72		57-130	1		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 445 GERARD AVENUE

Lab Number: L2533501

Project Number: 170487001

Report Date: 06/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06 Batch: WG2077537-3 WG2077537-4								
Bromochloromethane	110		97		70-130	13		20
2,2-Dichloropropane	100		96		63-133	4		20
1,2-Dibromoethane	92		89		70-130	3		20
1,3-Dichloropropane	96		92		70-130	4		20
1,1,1,2-Tetrachloroethane	89		84		64-130	6		20
Bromobenzene	100		99		70-130	1		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	110		100		70-130	10		20
o-Chlorotoluene	110		100		70-130	10		20
p-Chlorotoluene	110		100		70-130	10		20
1,2-Dibromo-3-chloropropane	75		73		41-144	3		20
Hexachlorobutadiene	110		100		63-130	10		20
Isopropylbenzene	110		100		70-130	10		20
p-Isopropyltoluene	110		100		70-130	10		20
Naphthalene	99		92		70-130	7		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trichlorobenzene	100		100		70-130	0		20
1,3,5-Trimethylbenzene	110		100		64-130	10		20
1,2,4-Trimethylbenzene	110		110		70-130	0		20
1,4-Dioxane	76		72		56-162	5		20
p-Diethylbenzene	110		100		70-130	10		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 445 GERARD AVENUE

Lab Number: L2533501

Project Number: 170487001

Report Date: 06/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06 Batch: WG2077537-3 WG2077537-4								
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	110		100		70-130	10		20
Ethyl ether	96		94		59-134	2		20
trans-1,4-Dichloro-2-butene	77		74		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		96		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	98		100		70-130
Dibromofluoromethane	101		99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 445 GERARD AVENUE

Lab Number: L2533501

Project Number: 170487001

Report Date: 06/12/25

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG2077930-3 WG2077930-4								
Methylene chloride	89		89		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	94		96		70-130	2		20
Carbon tetrachloride	99		99		63-132	0		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	97		98		63-130	1		20
1,1,2-Trichloroethane	96		97		70-130	1		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	110		100		75-130	10		20
Trichlorofluoromethane	99		100		62-150	1		20
1,2-Dichloroethane	91		94		70-130	3		20
1,1,1-Trichloroethane	110		100		67-130	10		20
Bromodichloromethane	96		97		67-130	1		20
trans-1,3-Dichloropropene	110		110		70-130	0		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	89		87		54-136	2		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	98		100		70-130	2		20
Toluene	110		100		70-130	10		20
Ethylbenzene	110		100		70-130	10		20
Chloromethane	110		110		64-130	0		20
Bromomethane	100		100		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 445 GERARD AVENUE

Lab Number: L2533501

Project Number: 170487001

Report Date: 06/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG2077930-3 WG2077930-4								
Vinyl chloride	100		100		55-140	0		20
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	94		96		70-130	2		20
1,2-Dichlorobenzene	110		100		70-130	10		20
1,3-Dichlorobenzene	110		100		70-130	10		20
1,4-Dichlorobenzene	110		100		70-130	10		20
Methyl tert butyl ether	88		97		63-130	10		20
p/m-Xylene	95		100		70-130	5		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	91		98		70-130	7		20
1,2,3-Trichloropropane	100		94		64-130	6		20
Acrylonitrile	81		92		70-130	13		20
Styrene	85		85		70-130	0		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	80		96		58-148	18		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	77		93		63-138	19		20
Vinyl acetate	96		100		70-130	4		20
4-Methyl-2-pentanone	97		110		59-130	13		20
2-Hexanone	84		91		57-130	8		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 445 GERARD AVENUE

Lab Number: L2533501

Project Number: 170487001

Report Date: 06/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG2077930-3 WG2077930-4								
Bromochloromethane	90		98		70-130	9		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	100		110		70-130	10		20
1,3-Dichloropropane	100		110		70-130	10		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	110		99		70-130	11		20
n-Butylbenzene	120		110		53-136	9		20
sec-Butylbenzene	120		110		70-130	9		20
tert-Butylbenzene	110		110		70-130	0		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	98		100		41-144	2		20
Hexachlorobutadiene	110		100		63-130	10		20
Isopropylbenzene	120		110		70-130	9		20
p-Isopropyltoluene	100		97		70-130	3		20
Naphthalene	100		110		70-130	10		20
n-Propylbenzene	120		110		69-130	9		20
1,2,3-Trichlorobenzene	100		98		70-130	2		20
1,2,4-Trichlorobenzene	110		100		70-130	10		20
1,3,5-Trimethylbenzene	110		100		64-130	10		20
1,2,4-Trimethylbenzene	110		100		70-130	10		20
1,4-Dioxane	96		88		56-162	9		20
p-Diethylbenzene	110		100		70-130	10		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 445 GERARD AVENUE

Lab Number: L2533501

Project Number: 170487001

Report Date: 06/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG2077930-3 WG2077930-4								
p-Ethyltoluene	120		110		70-130	9		20
1,2,4,5-Tetramethylbenzene	100		100		70-130	0		20
Ethyl ether	88		96		59-134	9		20
trans-1,4-Dichloro-2-butene	96		95		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		100		70-130
Toluene-d8	108		103		70-130
4-Bromofluorobenzene	106		104		70-130
Dibromofluoromethane	97		98		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: 445 GERARD AVENUE

Lab Number: L2533501

Project Number: 170487001

Report Date: 06/12/25

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): 01-03,05-06 QC Batch ID: WG2077537-6 WG2077537-7 QC Sample: L2533501-01 Client ID: RMW09_052925												
Methylene chloride	ND	10	9.5	95		9.8	98		70-130	3		20
1,1-Dichloroethane	ND	10	10	100		11	110		70-130	10		20
Chloroform	ND	10	9.7	97		9.9	99		70-130	2		20
Carbon tetrachloride	ND	10	8.9	89		9.6	96		63-132	8		20
1,2-Dichloropropane	ND	10	10	100		11	110		70-130	10		20
Dibromochloromethane	ND	10	7.8	78		8.2	82		63-130	5		20
1,1,2-Trichloroethane	ND	10	9.3	93		9.9	99		70-130	6		20
Tetrachloroethene	ND	10	9.0	90		9.6	96		70-130	6		20
Chlorobenzene	ND	10	9.5	95		10	100		75-130	5		20
Trichlorofluoromethane	ND	10	11	110		12	120		62-150	9		20
1,2-Dichloroethane	ND	10	9.3	93		9.3	93		70-130	0		20
1,1,1-Trichloroethane	ND	10	9.8	98		10	100		67-130	2		20
Bromodichloromethane	ND	10	8.5	85		8.5	85		67-130	0		20
trans-1,3-Dichloropropene	ND	10	7.9	79		8.5	85		70-130	7		20
cis-1,3-Dichloropropene	ND	10	8.3	83		8.6	86		70-130	4		20
1,1-Dichloropropene	ND	10	9.8	98		10	100		70-130	2		20
Bromoform	ND	10	7.3	73		7.7	77		54-136	5		20
1,1,2,2-Tetrachloroethane	ND	10	9.4	94		9.7	97		67-130	3		20
Benzene	17	10	28	110		22	50	Q	70-130	24	Q	20
Toluene	0.71J	10	10	100		11	110		70-130	10		20
Ethylbenzene	ND	10	9.6	96		10	100		70-130	4		20
Chloromethane	ND	10	11	110		11	110		64-130	0		20
Bromomethane	0.94J	10	7.2	72		8.8	88		39-139	20		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 445 GERARD AVENUE

Lab Number: L2533501

Project Number: 170487001

Report Date: 06/12/25

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): 01-03,05-06 QC Batch ID: WG2077537-6 WG2077537-7 QC Sample: L2533501-01 Client ID: RMW09_052925												
Vinyl chloride	ND	10	12	120		12	120		55-140	0		20
Chloroethane	ND	10	13	130		13	130		55-138	0		20
1,1-Dichloroethene	ND	10	10	100		11	110		61-145	10		20
trans-1,2-Dichloroethene	ND	10	10	100		10	100		70-130	0		20
Trichloroethene	ND	10	8.7	87		9.2	92		70-130	6		20
1,2-Dichlorobenzene	ND	10	9.5	95		10	100		70-130	5		20
1,3-Dichlorobenzene	ND	10	9.4	94		9.8	98		70-130	4		20
1,4-Dichlorobenzene	ND	10	9.4	94		10	100		70-130	6		20
Methyl tert butyl ether	ND	10	8.1	81		8.4	84		63-130	4		20
p/m-Xylene	ND	20	19	95		20	100		70-130	5		20
o-Xylene	ND	20	18	90		20	100		70-130	11		20
cis-1,2-Dichloroethene	ND	10	10	100		10	100		70-130	0		20
Dibromomethane	ND	10	9.2	92		9.6	96		70-130	4		20
1,2,3-Trichloropropane	ND	10	9.7	97		10	100		64-130	3		20
Acrylonitrile	ND	10	12	120		10	100		70-130	18		20
Styrene	ND	20	18	90		19	95		70-130	5		20
Dichlorodifluoromethane	ND	10	11	110		11	110		36-147	0		20
Acetone	ND	10	13	130		12	120		58-148	8		20
Carbon disulfide	ND	10	11	110		12	120		51-130	9		20
2-Butanone	ND	10	13	130		13	130		63-138	0		20
Vinyl acetate	ND	10	13	130		14	140	Q	70-130	7		20
4-Methyl-2-pentanone	ND	10	8.2	82		8.2	82		59-130	0		20
2-Hexanone	ND	10	7.4	74		7.5	75		57-130	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 445 GERARD AVENUE

Lab Number: L2533501

Project Number: 170487001

Report Date: 06/12/25

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): 01-03,05-06 QC Batch ID: WG2077537-6 WG2077537-7 QC Sample: L2533501-01 Client ID: RMW09_052925												
Bromochloromethane	ND	10	9.5	95		9.7	97		70-130	2		20
2,2-Dichloropropane	ND	10	8.6	86		8.7	87		63-133	1		20
1,2-Dibromoethane	ND	10	9.0	90		9.5	95		70-130	5		20
1,3-Dichloropropane	ND	10	9.4	94		9.9	99		70-130	5		20
1,1,1,2-Tetrachloroethane	ND	10	8.4	84		8.9	89		64-130	6		20
Bromobenzene	ND	10	9.4	94		10	100		70-130	6		20
n-Butylbenzene	ND	10	9.7	97		10	100		53-136	3		20
sec-Butylbenzene	ND	10	10	100		11	110		70-130	10		20
tert-Butylbenzene	0.80J	10	10	100		11	110		70-130	10		20
o-Chlorotoluene	ND	10	9.7	97		10	100		70-130	3		20
p-Chlorotoluene	ND	10	9.4	94		10	100		70-130	6		20
1,2-Dibromo-3-chloropropane	ND	10	7.4	74		8.1	81		41-144	9		20
Hexachlorobutadiene	ND	10	8.9	89		9.5	95		63-130	7		20
Isopropylbenzene	2.8	10	13	102		13	102		70-130	0		20
p-Isopropyltoluene	ND	10	9.6	96		10	100		70-130	4		20
Naphthalene	ND	10	9.9	99		10	100		70-130	1		20
n-Propylbenzene	1.3J	10	11	110		12	120		69-130	9		20
1,2,3-Trichlorobenzene	ND	10	9.2	92		9.8	98		70-130	6		20
1,2,4-Trichlorobenzene	ND	10	8.9	89		9.5	95		70-130	7		20
1,3,5-Trimethylbenzene	ND	10	9.2	92		9.8	98		64-130	6		20
1,2,4-Trimethylbenzene	ND	10	10	100		11	110		70-130	10		20
1,4-Dioxane	ND	500	410	82		440	88		56-162	7		20
p-Diethylbenzene	ND	10	9.2	92		9.8	98		70-130	6		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 445 GERARD AVENUE

Lab Number: L2533501

Project Number: 170487001

Report Date: 06/12/25

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): 01-03,05-06 QC Batch ID: WG2077537-6 WG2077537-7 QC Sample: L2533501-01 Client ID: RMW09_052925												
p-Ethyltoluene	ND	10	9.7	97		10	100		70-130	3		20
1,2,4,5-Tetramethylbenzene	2.0	10	12	100		12	100		70-130	0		20
Ethyl ether	ND	10	9.0	90		9.0	90		59-134	0		20
trans-1,4-Dichloro-2-butene	ND	10	7.2	72		7.3	73		70-130	1		20

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1,2-Dichloroethane-d4	95		94		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	96		94		70-130
Toluene-d8	103		102		70-130

Project Name: 445 GERARD AVENUE**Lab Number:** L2533501**Project Number:** 170487001**Report Date:** 06/12/25**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2533501-01A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2533501-01A1	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2533501-01A2	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2533501-01B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2533501-01B1	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2533501-01B2	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2533501-01C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2533501-01C1	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2533501-01C2	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2533501-02A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2533501-02B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2533501-02C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2533501-03A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2533501-03B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2533501-03C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2533501-04A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2533501-04B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2533501-04C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2533501-05A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2533501-05B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2533501-05C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2533501-06A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2533501-06B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)

Project Name: 445 GERARD AVENUE

Project Number: 170487001

Serial_No:06122509:33

Lab Number: L2533501

Report Date: 06/12/25

Container Information

Container ID **Container Type**

Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
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Project Name: 445 GERARD AVENUE
Project Number: 170487001

Lab Number: L2533501
Report Date: 06/12/25

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: 445 GERARD AVENUE
Project Number: 170487001

Lab Number: L2533501
Report Date: 06/12/25

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

Report Format: DU Report with 'J' Qualifiers



Project Name: 445 GERARD AVENUE
Project Number: 170487001

Lab Number: L2533501
Report Date: 06/12/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were 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: 445 GERARD AVENUE
Project Number: 170487001

Lab Number: L2533501
Report Date: 06/12/25

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.



Pace Analytical Services LLC

ID No.:17873

Facility: **Northeast**

Revision 27

Department: **Quality Assurance**

Published Date: 01/24/2025

Title: **Certificate/Approval Program Summary**

Page 1 of 2

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, 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, EPA 1600, EPA 1603, SM9222D.****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, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

Pace Analytical Services LLC

ID No.:17873

Facility: **Northeast**

Revision 27

Department: **Quality Assurance**

Published Date: 01/24/2025

Title: **Certificate/Approval Program Summary**

Page 2 of 2

Certification IDs:**Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**

CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, 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

CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, 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, 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

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 6/29/25

ALPHA Job # 12533501

Project Information

Project Name: 445 Gerard Avenue

Project Location: 445 Gerard Avenue, Bronx NY

Project # 170487003

(Use Project name as Project #)

Project Manager: Meghan Aronca

ALPHAQuote #:

Turn-Around Time °

Standard Due Date:

Rush (only if pre approved) # of Days:

Deliverables

ASP-A ASP-B

EQUiS (1 File) EQUiS (4 File)

Other

Billing Information

Same as Client Info

PO #

Client Information

Client: Langan

Address: 308 North Ave, 8th Floor
New York, NY 10001

Phone: 212-459-5449 X5680

Fax:

Email: Matonica@langan.com

Regulatory Requirement

NY TOGS NY Part 375

AWQ Standards NY CP-51

NY Restricted Use Other

NY Unrestricted Use

NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:

NJ NY

Other:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Matonica@langan.com / data.management@langan.com / DataValidation@langan.com

Cckvin@langan.com

Please specify Metals or TAL.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS	Sample Filtration	Sample Specific Comments				
		Date	Time									
<u>33501</u>	<u>01 RMW09-052925</u>	<u>5-29-25</u>	<u>1100</u>	<u>6W</u>	<u>SM</u>	<u>Part 375 TLL Vols</u>	<u>Done</u>	<u>M3/MSD</u>				
	<u>02 RMW03-052925</u>		<u>1240</u>	<u>6W</u>				<u>Lab to do</u>				
	<u>03 FB01-052925</u>		<u>1450</u>	<u>DI</u>					<u>Lab to do</u>			
	<u>04 RMW14-052925</u>		<u>1500</u>	<u>6W</u>						<u>Lab to do</u>		
	<u>05 DUP01-052925</u>			<u>6W</u>							<u>Lab to do</u>	
	<u>06 TB01-052925</u>	<u>lab</u>	<u>lab</u>	<u>DI</u>	<u>lab</u>							<u>Lab to do</u>

Preservative Code:

A = None
B = HCl
C = HNO₃
D = H₂SO₄
E = NaOH
F = MeOH
G = NaHSO₄
H = Na₂S₂O₃
K/E = Zn Ac/NaOH
O = Other

Container Code

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
<u>Shawn Maritz</u>	<u>5-24-25 15:15</u>	<u>PTEP</u>	<u>5/26/25 15:12</u>
<u>PTEP</u>	<u>5/29/25 17:50</u>	<u>Paul Maggala</u>	<u>5/29/25 18:00</u>
<u>Paul Maggala</u>	<u>5/29/25</u>	<u>Shawn Maritz</u>	<u>5/29/25 21:25</u>
<u>Shawn Maritz</u>	<u>5/29/25 23:10</u>	<u>Shawn Maritz</u>	<u>5/29/25 23:10</u>

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.)

ATTACHMENT D

Data Usability Summary Report

368 Ninth Avenue, 8th Floor New York, NY 10001 T: 609.282.8000
Mailing Address: 368 Ninth Avenue, 8th Floor New York, NY 10001-2727

To: Meghan Aronica, Langan Senior Staff Engineer

From: Krzysztof Trafalski, Langan Senior Staff Chemist

Date: June 13, 2025

Re: Data Usability Summary Report
For 445 Gerard Avenue
May 2025 Groundwater Samples
Langan Project No.: 170487003

This memorandum presents the findings of an analytical data validation from the analysis of groundwater samples collected in May 2025 by Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C at the 445 Gerard Avenue site. The samples were analyzed by Pace Analytical Services – Westborough, MA (NYSDOH NELAP registration # 11148) for volatile organic compounds (VOCs) by the method specified below.

- VOCs by SW-846 Method 8260D

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, level of data validation, and analytical parameters subject to review.

Validation Overview

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedures (SOPs) for Data Validation
- USEPA Contract Laboratory Program “National Functional Guidelines for Organic Superfund Methods Data Review” (EPA 540- R-20-005, November 2020)
- USEPA Contract Laboratory Program “National Functional Guidelines for Inorganic Superfund Methods Data Review” (EPA 540- R-20-005, November 2020), and
- published analytical methodologies.

Tier 1 data validation is based on completeness and compliance checks of sample-related QC results including: sample receipt documentation; analytical holding times; sample preservation; blank results (method, field, and trip); surrogate recoveries; MS/MSD recoveries and RPDs values; field duplicate RPDs, laboratory duplicate RPDs, and LCS/LCSD recoveries and RPDs. One (1) Sample Delivery Group (SDG) underwent Tier 1 validation review.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA guidelines and our best professional judgment:

Technical Memorandum

- R** – The sample results are unusable. The results are rejected because of serious deficiencies in meeting quality control criteria in accordance with the applicable validation guidelines. The analyte may or may not be present in the sample.
- J** – The analyte was positively identified but the associated numerical value is approximate.
- UJ** – The analyte was not detected at or above the method detection limit. The method detection limit may be imprecise because of potential low or indeterminate bias.
- U** – The analyte was not detected above the method detection limit, or the analyte detection is impacted by blank contamination and qualified as non-detect in accordance with the applicable validation guidelines.

If any validation qualifiers are assigned, these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified because of this data validation is considered acceptable based on the items specified for review. Data that is qualified as “R” are considered invalid and are not technically usable for data interpretation. Data that is otherwise qualified because of minor data-quality anomalies are usable, as qualified in Table 2 (attached).

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

Technical Memorandum

VOCs by SW-846 Method 8260D

L2533501

The FB (FB01_052925) exhibited a detection of bromomethane (0.93 ug/L). The associated detect results in samples RMW03_052925, RMW09_052925, RMW14_052925, and DUP01_052925 are qualified as U at the reporting limit because of potential blank contamination.

The MB for batch WG2077930 exhibited a detection of styrene (0.81 ug/L). The associated result in sample RMW14_052925 is qualified as U at the reporting limit because of potential blank contamination.

The LCS/LCSD for batch WG2077537 exhibited RPDs above the control limit for acetone (24%), chloroethane (24%), chloromethane (23%), and dichlorodifluoromethane (21%). The associated results in samples RMW03_052925, RMW09_052925, and DUP01_052925 are qualified as UJ because of potential indeterminate bias.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

VOCs by SW-846 Method 8260D

L2533501

The LCS for batch L2533501_WG2077537-3 exhibited a percent recovery above the UCL for chloroethane (140%). The associated results are non-detect. No qualification is necessary.

The MS/MSD performed on sample RMW09_052925 exhibited percent recoveries exceeding the control limit and/or an RPD above the control limit for benzene (MSD=50%, RPD=24%) and vinyl acetate (MSD=140%). Organic results are not qualified based on MS/MSD recoveries alone. No qualification is necessary.

FIELD DUPLICATE:

One field duplicate and parent sample pair was collected and analyzed for all parameters. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less than $\pm X$ the RL. For results greater than 5X the RL, analytes meet the precision criteria if the RPD is less than or equal to 30% for groundwater. The following field duplicate and parent sample pairs were compared to and met the precision criteria:

- DUP01_052925 and RMW03_052925

Technical Memorandum

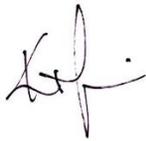
Data Usability Summary Report
For 445 Gerard Avenue
May 2025 Groundwater Samples
Langan Project No.: 170
June 13, 2025 Page 4 of 4

CONCLUSION:

Based on this evaluation, the laboratory appears to have followed the specified analytical methods except for errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Krzysztof Trafalski
Senior Staff Chemist