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2025 FIRST QUARTER GROUNDWATER MONITORING REPORT CLAREMONT POLYCHEMICAL CORPORATION SITE

**2025 FIRST QUARTER GROUNDWATER MONITORING
REPORT
CLAREMONT POLYCHEMICAL CORPORATION SITE**

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1. INTRODUCTION

This quarterly groundwater monitoring report, prepared by Ramboll Americas Engineering Solutions, Inc. (Ramboll), presents groundwater sampling analytical results for the first quarter of 2025 (January through March) and supporting information on the history, groundwater extraction and treatment (GWE&T) system configuration and hydrogeologic conditions at the Claremont Polychemical Corporation Site (NYSDEC Site #130015); hereinafter referred to as "CPC" or the "Site" (**Figure 1**).

The groundwater monitoring event was historically part of the on-going site management and long-term monitoring (LTM) activities associated with Work Assignments #28 and #43 under contract to Henningson, Durham & Richardson Architecture and Engineering, P.C. (HDR). In March 2022, the quarterly collection of ground water samples and the preparation of this deliverable were transferred to WA#24, under Ramboll's contract (D009810), and includes the following:

- Brief overview of historical Site activities;
- Discussion of the on-site GWE&T system including discharge monitoring;
- Hydrological data;
- Brief description of the field activities;
- Analytical results of monitoring well sampling, specifically those for chlorinated volatile organic compounds (VOCs) including trends and plume evaluation;
- Analytical results of the six monitoring wells installed in the downgradient investigation for VOCs, and emerging contaminants including per- and polyfluoroalkyl substances (PFAS) and 1,4-dioxane; and
- Conclusions and Recommendations.

2. SITE BACKGROUND

2.1 Site History

Claremont Polychemical Corporation, a former manufacturer of pigments for plastics and inks, coated metal flakes, and vinyl stabilizers, operated at the Site from 1966 to 1980. According to the "Second Five-Year Review Report for Claremont Polychemical Corporation" prepared by the United States Environmental Protection Agency (USEPA), dated March 2014, during its operation, CPC disposed of liquid waste in three leaching basins and deposited solid wastes and treatment sludges in drums or in above ground metal tanks. The principal wastes generated were organic solvents, resins, and wash wastes (mineral spirits). A solvent recovery system (steam distillation), two pigment dust collectors and a sump were located inside the Process Building. Five concrete treatment basins, each with a capacity of 5,000 gallons which contained sediments and water, were to the west of the building. Six above ground tanks, three of which contained wastes, were located east of the building.

Other features included an underground tank farm, construction and demolition debris, drywells, and a water supply well (USEPA 2014).

In 1979, the Nassau County Department of Health (NCDH) found 2,000 to 3,000 drums of inks, resins, and organic solvents throughout the Site during a series of inspections. Inspectors identified releases associated with damaged or mishandled drums in several areas including one larger release located east of the Process Building (referred to as the "spill area"). CPC sorted and removed the drums in 1980 (USEPA 2014). In October 1980, the New York State Department of Environmental Conservation (NYSDEC) ordered CPC to commence clean-up activities at the Site. CPC did not perform the clean-up activities required by NYSDEC and CPC ceased operations at the Site in 1980 (USEPA 2014). USEPA proposed the Site for listing on the National Priorities List (NPL) in October 1984 (because of CPC's refusal to perform the clean-up) and CPC was subsequently listed on the NPL as a Superfund site in June 1986.

A Remedial Investigation Feasibility Study (RI/FS) was initiated in March 1988 under the oversight of the USEPA. Surface and subsurface soil, groundwater, underground storage tanks, and the Process Building were sampled as part of the RI. The RI/FS reports were released to the public in August 1990. The RI/FS findings indicated that on-site soils contaminated with tetrachloroethylene (PCE), located in the former "spill area", constituted a potential threat to groundwater resources. The spill area is adjacent to and east of the former Process Building. Other VOCs including 2-butanone, toluene, xylene, 1,2-Dichloroethane (DCE), trichloroethene (TCE), 1,1,1-trichloroethane (TCA), ethylbenzene, 1,2-dichloroethane (DCA), methylene chloride, and vinyl chloride were detected in groundwater at concentrations exceeding federal and state standards. USEPA issued two Records of Decision (RODs) signed in September 1989 and September 1990 and two Explanations of Significant Differences (ESDs) signed in September 2000 and April 2003 since completion of the RI/FS. The operable units (OUs) addressed by the RODs and ESDs are described in Table 1.

Table 1 – CPC Operable Units

Operable Unit	Description	Remedy
OU-1	Treatment and removal of wastes in 14 underground storage tanks	14 USTs and contents removed. Achieved cleanup levels allowing for unlimited use and unrestricted exposure.
OU-2	Wastes stabilized during the Sept. 1988 removal action	Testing, consolidation, treatment, and disposal of wastes in containers and basins performed. Achieved unlimited use and unrestricted exposure, later changed to commercial/light industrial because of remaining contamination below the building. 2003 ESD added additional remedial actions for OU-2 under the former Process Building including an SVE system and using the building’s concrete slab as a cap for cadmium contaminated soil.
OU-3	Soil contaminated with PCE at the “spill area”	Approximately 8,800 tons of PCE contaminated soils excavated, treated, and backfilled on Site. Achieved cleanup levels allowing for unlimited use and unrestricted exposure.
OU-4	Contaminated groundwater on the CPC property	Extraction and treatment of groundwater via metals precipitation, air stripping and carbon adsorption. On-site reinjection.
OU-5	Contaminated groundwater offsite of the CPC property.	Extraction and treatment of groundwater via air stripping and off-site reinjection using the Old Bethpage Landfill treatment system extraction wells south-southeast of the CPC Site.
OU-6	Decontamination of the former Process Building	Vacuuming and dusting surfaces, asbestos abatement, pressure washing walls and interior surfaces. Achieved cleanup levels allowing for unlimited use and unrestricted exposure.

A GWE&T system was installed on-site by the USEPA and United States Army Corps of Engineers (USACE) to hydraulically contain VOCs in groundwater as the OU-4 remedy. GWE&T system operation began in February 2000, reportedly pumping and treating over 400 gallons per day (gpd). SAIC Inc. (SAIC) operated and maintained the GWE&T system, collected plant effluent samples, and performed quarterly groundwater sampling at 41 wells from 2000 to May 2011. In May 2011, the project was transferred from the USACE/USEPA to the NYSDEC. NYSDEC then contracted the same scope of work as SAIC to HRP Associates, Inc. (HRP) from May 2011 to

August 2015, HDR from September 1, 2015, through February 28, 2022 and Ramboll from March 1, 2022 to present.

USEPA issued an Explanation of Significant Differences (ESD) on September 29, 2000, that the Old Bethpage Landfill's (OBL) GWE&T was inadvertently capturing the CPC OU-5 off-site groundwater plume; therefore, the OBL GWE&T would be used to capture the off-site plume instead of constructing a new treatment facility. At that time the Town of Oyster Bay owned and operated the OBL GWE&T (USEPA 2000).

The Town of Oyster Bay operated the OBL GWE&T under a Municipal Response Action Reimbursement Agreement for treating the contaminated groundwater associated with CPC OU-5 from January 1997 through January 2007, followed by a State Assistance Contract (SAC No. C303223) from January 2007 through 2017. The NYSDEC terminated the SAC with the Town of Oyster Bay in August 2016 in a Site Transfer Agreement that outlined the schedule, terms, and responsibilities of the transfer (NYSDEC 2016).

NYSDEC's Division of Environmental Remediation (DER) issued Work Assignment (WA# 28) to HDR for CPC OU-5, the purpose being to transfer operations, maintenance, and monitoring of the OBL/CPC OU-5 GWE&T from Town of Oyster Bay's consultant Lockwood, Kessler & Barlett, Inc. (LKB) to HDR. In October 2016, the OU-4 GWE&T was shut down, and HDR took over the operation of the OBL/OU-5 GWE&T. At that time, NYSDEC had also given the Town of Oyster Bay permission to discontinue treatment for the OBL plume which involved shutting down recovery wells RW-1 and RW-2. HDR continued operations, maintenance, and monitoring activities (collectively Site Management or SM) for CPC OU-5 consisting of former OBL GWE&T recovery wells RW-3, RW-4, and RW-5 for the period October 1, 2016 through February 28, 2018. A series of amendments (#1 through #3) were subsequently approved which allowed for HDR to continue operations and maintenance through February 28, 2022. On March 1, 2022, SM was transferred to Ramboll via WA#24, under Ramboll's contract (D009810).

In 2018 a RI downgradient from the Site was performed by HDR. This RI was conducted to further delineate the extent of off-site VOC contamination in the underlying aquifers and to evaluate the potential for contamination to reach downgradient public supply wells. The investigation involved installation of six vertical profile borings (VPBs) with push ahead groundwater sampling up to 450 ft. below ground surface (bgs), and installation and sampling of six permanent monitoring wells. The RI field activities were conducted in two phases from July 2018 through November 2018 for the installation of the first four VPBs south southeast of the CPC Site, and December 2019 through January 2020 for two VPBs to the south southwest.

All groundwater samples were analyzed for Target Compound List (TCL) VOCs by USEPA method 8260; 1,4-dioxane by USEPA Method 8270 SIM; Perfluorooctanesulfonic acid (PFOS), Perfluorooctanoic acid (PFOA), and 39 other perfluorinated compounds by USEPA Method 1633. Groundwater samples collected during the RI contained elevated concentrations of VOCs and the emerging contaminants PFOS, PFOA, and 1,4-dioxane. Refer to the Final Remedial Investigation Report Claremont Polychemical RI/FS Offsite Groundwater Plume (March 2019) for additional details. The six monitoring wells associated with the RI were added to the Claremont OU5 well program in March 2020.

2.2 Location

The CPC site is located on a 9.5-acre parcel in an industrial section of Old Bethpage, Nassau County, New York (**Figure 1**). The former 35,000 square foot Process Building, demolished in 2012, was the only building historically on the property. The concrete slab from this building remains. The 5,200 square foot GWE&T system building was constructed as part of the OU-4 remedy. The OU-4 GWE&T system was shut down on October 1, 2016 and has not been in operation since that time.

The OU-5 GWE&T system is located across the street at 150 Winding Road within the Town of Oyster Bay Solid Waste Disposal Complex (OBSWDC). The OU-5 GWE&T system includes a groundwater recovery system, water conveyance system, discharge system, monitoring wells, air stripper, and a 3,100 square foot facility for monitoring and controlling the system. The treated effluent discharges to Recharge Basin No. 1 located west of the OBL. Secondary discharge is directed to Recharge Basin No. 33 west of the Bethpage State Park Black Course for golf course irrigation in the summer (**Figure 2**). The five extraction/recovery well pump houses (RW-1, RW-2, RW-3, RW-4, and RW-5) are located on the Bethpage Black Course (**Figure 2**).

The CPC Site lies approximately 800 feet west of the border between Nassau and Suffolk Counties and is accessed via Winding Road on the property's western border. Adjacent properties include (**Figure 1**):

- South and Southeast – Bethpage State Park and golf course;
- East – State University of New York (SUNY) - Farmingdale Campus;
- West – OBSWDC and OU-5 GWE&T; and
- North – Commercial and Light Industrial.

The OBSWDC includes the closed OBL, solid waste transfer operations and the OU-5 GWE&T system currently operated by Ramboll under contract to NYSDEC. The Nassau County Fireman's Training Center (FTC), which has also contributed to soil and groundwater contamination in the area, is located approximately 500 feet south of the OBL portion of the OBSWDC. FTC had a GWE&T system that ceased operations in 2013 having achieved the cleanup objectives. The closest residences are approximately one-half mile from the Site, immediately west of the OBL. The nearest public supply well is located 3,500 feet northwest of the Site.

2.3 Site Hydrogeological Setting

The CPC site is underlain primarily by sand with interbedded, discontinuous silt and lignitic clay lenses. Upper glacial aquifer deposits that are observed are mostly absent in the area, rather the Magothy Formation is the uppermost geologic unit with a thickness of approximately 750 feet. The Raritan clay below acts as a barrier between the Magothy and Lloyd aquifers.

The "Claremont Polychemical Superfund Site Long-Term Groundwater Monitoring Old Bethpage, New York" report dated December 2001 prepared by SAIC indicated historical gradients ranging from 0.001-0.002 feet/foot and horizontal flow velocities of 0.43 feet/day or 157 feet/year (Ebasco, 1990). Historically, groundwater contour maps produced from wells screened in both the upper glacial aquifer and the deeper Magothy aquifer depict a south-southeast flow direction across the site. The recent CPC contour maps are generally consistent with previous maps produced from the CPC monitoring well network and from investigations by others. The current

hydrogeologic conditions and groundwater contour mapping (**Figures 3, 4 and 5**) are discussed in **Section 4.1**.

3. GROUNDWATER EXTRACTION AND TREATMENT SYSTEM

A description of the GWE&T system and a review of its contaminant recovery and hydraulic control effectiveness are provided below.

3.1 Groundwater Extraction and Treatment System Description

The OU-5 GWE&T system was originally designed to capture and treat organic contaminants associated with the contaminated groundwater plume identified because of the disposal of hazardous substances at the Old Bethpage Landfill site (NYSDEC Site No. 130001). The system consists of groundwater recovery through three extraction wells, water conveyance, treatment via an air stripper and discharge to recharge basins. Each of the system components are discussed below.

3.1.1 GWE&T System Extraction Wells

The groundwater collection system originally consisted of five extraction wells known as RW-1, RW-2, RW-3, RW-4, and RW-5 approximately 800 feet apart from each other in Bethpage State Park Black Golf Course south of the CPC site (**Figure 2**). The recovery wells were designed with the total maximum pumping capacity of 1.76 million gpd and a designed flow of 1.5 million gpd to the treatment system (LKB, 1993). **Table 2** provides extraction well screen intervals and total depths.

Table 2 – Extraction Well Construction Details

Well	Total Depth (ft bgs)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)
RW-1*	280	185	265
RW-2*	290	230	271
RW-3	275	163	255
RW-4	270	147	250
RW-5	283	153	263

*RW-1 and RW-2 captured the OBL plume which has been remediated. These wells are no longer online or operated for purposes of groundwater remediation.

Recovery wells RW-1 and RW-2 were petitioned to be discontinued by the Town of Oyster Bay prior to the transition to HDR operating the OU-5 GWE&T (Town of Oyster Bay, 2016). These recovery wells historically had non-detectable or very low values for total VOCs and did not capture the CPC off-site plume. The individual VOC results were lower than their Consent Decree and Class GA standards as stated in the LKB Quarterly Remedial Action Report dated June 2016. On October 2, 2016 at the direction of the NYSDEC, RW-1 and RW-2 were taken off-line.

Prior to October 2017, the system’s average influent flow rate was 628 gallons per minute (gpm), or 904,396 gpd, and the average effluent flow rate was 624 gpm, or 899,233 gpd. In October 2017, pump failures stemming from a possible power surge resulted in substantial system downtime and, thus, decreased average flow rates for influent (539 gpm, or 775,450 gpd) and

effluent (532 gpm, or 765,700 gpd). The suspected power surge also caused process control issues that precluded automatic operation of the system. As such, the system was run manually and only during working hours from November 2017 through July 2018. The restricted operation of the system in manual mode, along with the process alarms and interlock gauges not functioning required oversight of the facility while online. In early July, NYSDEC instructed HDR to add a second shift operator to accommodate NYS Parks, Recreation and Historic Preservation (Parks) request for additional irrigation water for the golf course. Recovery wells RW-1 and RW-2 were brought on-line to increase the water level in Recharge Basin 33 from which Parks obtain site irrigation water. On September 6, 2018, the control system was fully functional, and RW-1 and RW-2 were taken off-line.

In September 2018, the process control system, controls, and alarm system became fully functional which allowed the treatment system to operate without onsite staff supervision. The recovery wells currently run in automatic mode with remote start up, and the process pumps are operated in fully automatic mode.

Under current conditions, the PLC and the control system are stable and fully functional. Flows from the individual recovery wells are remotely read, transmitted, and totaled.

Refer to the Monthly O&M reports for January through March 2025 for details on the status of GWE&T system upgrades, issues encountered, and impacts on system operations and performance. Average daily system flow rates during the first quarter of 2025 were 715 gpm in January, 717 gpm in February, and 719 gpm in March.

3.1.2 GWE&T System - Path of Remediation

Groundwater is currently pumped from three extraction wells (designated RW-3, RW-4, and RW-5) that were installed in 1992 at what was then the leading edge of the off-site VOC plume from the OBL. The combined flow from the extraction wells is directed through common conveyance piping to the air stripper wet-well. A triplex pump arrangement delivers the collected groundwater into the top of the air stripper, which contains packing media. As the groundwater passes through and saturates the packing, it contacts air that is directed from the bottom of the air stripper via the blower. Dissolved VOCs pass from the liquid phase (groundwater) into the gas phase (air) and exit the stripper through an exhaust stack. Non-volatile organic compounds and inorganic contaminants, if any, are not removed by the treatment system.

A GAC treatability study was conducted between April 26, 2024 through September 17, 2024 in an effort to evaluate treatment of PFAS in extracted groundwater. A temporary GAC treatment system was installed on the effluent end of the air stripper prior to effluent being directed into a receiving wet-well. Results associated with the GAC treatability study will be detailed under separate cover in a forthcoming Treatability Study Report.

Air stripper effluent directed into the receiving wet-well is then delivered to two recharge basins. Recharge Basin No. 1 contains a system of eight diffusion wells and is located upgradient of the OBL. Recharge Basin No. 33 receives effluent in the summer that is used beneficially for watering the golf course.

The GWE&T system is staffed by a plant manager/operator working 40-hour weeks, and an autodialer (telemetry unit) is installed to contact the plant manager in case of plant alarms. Typical response time to any alarms is 30 minutes. The plant manager can monitor the plant remotely from the FactoryTalk View Site Edition Client control system and adjust the system operations as needed.

3.1.3 GWE&T System Operating Permits

Water Permit

The OU-5 GWE&T operates under a State Pollutant Discharge Elimination System (SPDES) permit equivalency dated October 24, 2012 which was valid until May 11, 2016. A permit equivalency renewal application was submitted to the NYSDEC Bureau of Water Permits on March 30, 2016 and is pending approval. Effluent Limitations and Monitoring Requirements outlined in the permit are enforced by the NYSDEC Division of Environmental Remediation, Remedial Bureau E.

Air Permit

An air permit is not required for the GWE&T system operation since 6 NYCRR Part 375-1.7 states that “no permit is required when the substantive compliance is achieved as indicated by the NYSDEC approval of the workplan.” Emissions from the air stripper have historically been negligible and are compliant with air guideline concentrations.

3.2 Groundwater Extraction and Treatment System Performance Evaluation

3.2.1 Flow Rate

Since startup, the OU-4 GWE&T system treated more than approximately 2.97 billion gallons of groundwater associated with the CPC site until operation was suspended and transitioned to the OU-5 plant. The OU-5 GWE&T system historically operated at a rate of approximately one million gpd. Daily flow readings are provided in the O&M reports submitted monthly to NYSDEC (refer to the March 2025 O&M report for the most recent data). A summary of the flow in each recovery well is included in the table below.

Table 3 – Recovery Well Monthly Flow Summary for this Quarter

Location	January Total Flow (gallons)	February Total Flow (gallons)	March Total Flow (gallons)
RW-1*	0	0	0
RW-2*	0	0	0
RW-3	10,841,000	8,549,000	11,175,000
RW-4	11,448,000	8,975,000	11,781,000
RW-5	10,507,000	8,242,000	10,909,000
Total Influent	33,570,000	26,352,000	34,848,000
Total Effluent	31,901,000	25,098,000	33,044,000

Location	January Total Flow (gallons)	February Total Flow (gallons)	March Total Flow (gallons)
*Recovery wells RW-1 and RW-2 were taken offline at the conclusion of the Remedial System Optimization evaluation. Flows associated with RW-1 and RW-2 are from monthly operational tests.			

The volume of treated water discharged by the GWE&T system to the recharge basins is determined daily from readings of the magnetic flow meter on the plant effluent line. The difference between the total influent and total effluent is due to a calibration error in the existing flow meters. The recharge basins are designed to receive 1.5 million gpd of effluent.

During the first quarter of 2025, the system processed approximately 90,043,000 million gallons with the following average daily flow rates:

Table 4 – Average Daily Flow by Month for this Quarter Summary

Month (2024)	Average Daily Flow (gallons per day)
January	1,029,065
February	896,357
March	1,032,625
Quarterly Average	986,016

3.2.2 Groundwater Extraction and Treatment System Contaminant Removal

To quantify the treatment system contaminant removal rate, available GWE&T system influent and effluent analytical results from monthly operation and maintenance records were reviewed. The OU-4 GWE&T system removed 947 kg cumulatively (combined mass of TCE, PCE and 1,1-DCE) from 2002 until October 2016, when it was taken offline. Most of the mass removed by the OU-4 GWE&T system was TCE (749 kilograms or 1,651 pounds) and PCE (170 kilograms or 375 pounds).

Since October 1, 2016, approximately 710.63 kilograms (1,566.67 pounds) of TCE, 92.23 kilograms (203.32 pounds) of PCE, and 13.94 kilograms (30.72 pounds) of 1,1-DCE have been removed by the OU-5 system (as of the 2025 first quarter process sampling event which was performed in February 2025).

The previous OU-5 operator (prior to October 1, 2016) did not calculate VOC load or track the contaminants of concern cumulatively over time. The LKB reports did not include historical data for daily flow rates.

Table 5 – VOC Mass Removed per Quarter for 2019 through 2025 (kg)

Year	Quarter	OU-4 GWE&T	OU-5 GWE&T
Pre 2019	-	947*	215.35
2019	Q1	Offline	38.75
	Q2	Offline	32.54
	Q3	Offline	36.95
	Q4	Offline	49.64
2020	Q1	Offline	8.35
	Q2	Offline	30.72
	Q3	Offline	37.09
	Q4	Offline	36.25
2021	Q1	Offline	34.11
	Q2	Offline	35.51
	Q3	Offline	25.43
	Q4	Offline	30.21
2022	Q1	Offline	27.29
	Q2	Offline	36.39
	Q3	Offline	3.71
	Q4	Offline	4.04
2023	Q1	Offline	5.75
	Q2	Offline	6.94
	Q3	Offline	12.58
	Q4	Offline	13.30
2024	Q1	Offline	28.54
	Q2	Offline	10.93
	Q3	Offline	11.87
	Q4	Offline	20.84
2025	Q1	Offline	23.31
Cumulative Total		947*	816.79
*Cumulative totals presented for OU-4 are from 2002 through 2016.			
**Cumulative totals presented for OU-5 are from October 1 st , 2016 to present and include TCE, PCE, and 1,1-DCE.			

3.2.3 Groundwater Extraction and Treatment System Discharge Monitoring

Effluent samples are collected and analyzed quarterly for: VOCs, base neutral acid (BNA) semi-volatile list, metals, total dissolved solids (TDS), total Kjeldahl nitrogen (TKN), cyanide, and anions. Effluent data for select VOC compounds (PCE, TCE, and 1,1-DCE) and semi-volatiles (BNA) are analyzed to evaluate compliance with effluent discharge limits. **Figure 6** shows that effluent concentrations for the main contaminants, PCE and TCE, were below permissible discharge limits of 5 µg/L at the OU-5 GWE&T system during the first quarter of 2025. In addition, the effluent concentrations of detected parameters, were under permissible levels: barium (69.9 µg/L), manganese (136 µg/L), total nitrogen (4.5 mg/L), and total dissolved solids (210 mg/L) during the first quarter of 2025 when sampled in March. The addition of emerging contaminant sampling to system monitoring is detailed in the following section. All other

constituents monitored for discharge requirements met their respective discharge limitations, as indicated in the monthly O&M reports relevant to this quarter, or do not have a corresponding discharge limitation.

System effluent pH remained within the required limitations (6.5 to 8.5 su) for this quarter with the following average monthly readings:

Table 6 – Average Monthly Discharge pH

	January	February	March
Average Effluent pH (su)	7.19	7.06	7.21

Refer to the Monthly O&M reports for additional information on remediation system performance and daily operations.

3.3 Plant Process Water Emerging Contaminant Sampling

On December 15, 2020, plant influent, effluent, and active recovery wells (RW-3, RW-4, and RW-5) were sampled for 1,4-dioxane by method 8270 SIM and PFAS by modified USEPA Method 537. Samples were submitted to Eurofins TestAmerica, of Edison, New Jersey, an NYSDOH ELAP-approved laboratory (#12028).

Samples were collected from sample ports off the pump discharges at each recovery well and the plant’s influent and effluent conveyance, after flushing the port and valve with several gallons of water. Process water was collected directly into the laboratory supplied glassware.

Five samples were collected from the plant’s influent, effluent, and active recovery wells. Recovery well locations are shown on **Figure 2**.

1,4-dioxane was detected in all five samples and at concentrations exceeding the standard of 1 µg/L.

PFOS was detected at concentrations exceeding its criteria in four of the five samples except in the sample from RW-4 which was detected below the criteria. PFOA was detected in all five samples. Numerous other PFAS compounds were detected but did not exceed their individual criteria. The sum of PFAS compounds did not exceed criteria. Full results for the emerging contaminant sampling of plant process water are presented in Attachment A2 of the 2020 Fourth Quarter Groundwater Monitoring Report (HDR, 2020).

At the direction of the NYSDEC in an August 17, 2022 email, analysis of PFAS and 1,4-dioxane were added to monthly sampling for both influent and effluent for the foreseeable future.

Samples were collected from sample ports at the plant’s influent and effluent conveyance, after flushing the port and valve with several gallons of water, directly into the laboratory supplied glassware. Samples were analyzed by Pace Analytical, of East Longmeadow, MA, an NYSDOH-ELAP approved laboratory. 1,4-Dioxane samples were analyzed utilizing USEPA Method 8270 SIM. PFAS samples were analyzed utilizing USEPA Method 1633, in accordance with the *NYSDEC*

Sampling, Analysis, and Assessment of Per- and Polyfluoralkyl Substances (PFAS) Under NYSDEC’s Part 375 Remediation Programs (April 2023).

Detected concentrations for compounds that exceeded their respective evaluation criteria or standards for the first quarter of 2025 are shown in the summary table below. **Figure 7** depicts 1,4-dioxane results exceeding comparison criteria. **Figure 8** depicts the PFOS and PFOA results exceeding comparison criteria.

NOTE: Criteria presented in the following table represent current standards, guidance values, or other evaluation criteria.

Table 7– 1Q2025 Process Water EC Exceedances

EC Exceedances		1,4-D	PFOS	PFOA
Criteria:		0.35 ^(a)	2.7 ^(a)	6.7 ^(a)
Reporting Unit:		(µg/L)	(ng/L)	
Influent	January 2025	<u>19</u>	<u>14</u>	<u>44</u>
	February 2025	<u>20</u>	<u>17</u>	<u>45</u>
	March 2025	<u>18</u>	<u>15</u>	<u>46</u>
Effluent (PD-009)	January 2025	<u>19</u>	<u>17</u>	<u>48</u>
	February 2025	<u>20</u>	<u>17</u>	<u>44</u>
	March 2025	<u>20</u>	<u>15</u>	<u>48</u>

Bold and underlined results indicate exceedance of the criteria indicated as follows:

- a) For 1,4-dioxane and PFAS compounds: NYSDEC’s Division of Water Technical, and Operational Guidance Series (TOGS) (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations dated June 1998 and last updated in February 2023.

Abbreviations: 1,4-D – 1,4-Dioxane; PFOS – Perfluorooctanesulfonic acid; PFOA – Perfluorooctanoic acid; NS – not sampled; ND – not detected; J – estimated value; µg/L – micrograms per liter, ng/L – nanograms per liter.

4. GROUNDWATER MONITORING PROGRAM

A network of 55 monitoring wells is used to monitor groundwater quality and effectiveness of the GWE&T system (**Figure 2**). The groundwater monitoring program includes wells on the CPC property (OU-4) and off the CPC property (OU-5).

OU-4 monitoring wells included in the network are:

- DW-1, DW-2, EW-5, SW-1 and WT-01.

OU-5 monitoring wells included in the network are:

- BP-3A, BP-3B, BP-3C, EW-1A, EW-1B, EW-1C, EW-2A, EW-2B, EW-2C, EW-2D, EW-4A, EW-4B, EW-4C, EW-4D, EW-7C, EW-7D, EW-11D, EW-12D, EW-14D, LF-1, M-30B-R, MW-5B, MW-6A, MW-6B, MW-6C, MW-6D, MW-6E, MW-6F, MW-7B-R, MW-8A, MW-8B, MW-8C, MW-9B, MW-9C, MW-10D, MW-11A, MW-11B, and OBS-1.

Following approval from the NYSDEC on August 21, 2019, an additional six wells from the western extent of the study area were added to the program. These wells are:

- BP-5B, BP-5C, BP-12B, BP-12C, BP-13B, and BP-13C.

In February 2020, an additional six downgradient monitoring wells were added to the quarterly monitoring:

- MW-CPC-36, MW-CPC-37, MW-CPC-38, MW-CPC-39, MW-CPC-40, and MW-CPC-41.

A description of the groundwater sampling event and results is provided below.

4.1 Hydrologic Data

The network of approximately 120 gauged wells includes wells that are not in the quarterly sampling program. Measurements from 66 wells collected by Ramboll are combined with data provided by Nassau County. Measurements collected by Ramboll are provided in **Attachment A** and groundwater contours are provided in **Figures 3, 4, and 5**. The synoptic groundwater level measurement for this quarter was performed on January 29, 2025. It should be noted that wells BP-6A, BP-11, MW-6A (insufficient water), ORW-1, ORW-4, U-6A, and UM-1 were not accessible during this synoptic round.

The average water table elevation across the OU-5 site for this quarter's synoptic measurement event was 61.76 feet (vertical datum NAVD88) as measured by Ramboll. Depths to groundwater (DTW) in January 2025 ranged from 19.10 feet (well MW-CPC-41) to 100.90 feet (well EW-11D) below ground surface (bgs) (see **Attachment A**). Potentiometric surface elevations at each well were calculated for each well by subtracting the DTW from the top of casing elevation. Groundwater elevations, grouping wells by the aquifer unit they are screened in, were used to develop and interpret potentiometric contours of the in the upper (water table), middle, and lower Magothy aquifers.

Groundwater flow direction is predominantly south-southeast at the water table (**Figure 3**), middle Magothy (**Figure 4**), and in the lower Magothy (**Figure 5**). The potentiometric surface contours in the middle Magothy depict minor pumping influence near and immediately down gradient from the OU5 recovery wells, RW-2 through RW-4. In the vicinity of BP-13, MW-CPC-40, and MW-CPC-41 within the lower Magothy aquifer there is a south-southwest component to groundwater flow. Overall, groundwater elevations and the inferred groundwater flow directions are consistent with previous quarterly observations.

4.2 Groundwater Sample Collection

The monitoring well groundwater samples were collected for this quarter between January 28 and February 5, 2025. Ramboll and GES sampled 54 of the 55 CPC monitoring network wells. No sample was collected at MW-6A due to insufficient water.

Forty-eight groundwater samples were collected using passive diffusion bags (PDBs) inserted at mid-point in the screens in each monitoring well. Each PDB bag was retrieved, pierced with a decontaminated sharp object and the water inside was collected in VOC vials with septum caps, and preserved with hydrochloric acid (HCl). The VOC vials are labeled, recorded on a chain of custody, and placed in a cooler with ice.

Groundwater samples from the downgradient six MW-CPC series wells (MW-CPC-##) were collected using the low-flow sampling method "USEPA Low Stress (Low Flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from monitoring Wells" dated January 19, 2010. The intake of the Geo-Tech PFC free portable bladder pump was installed at the mid-point of the screened zone or biased to a depth where a higher VOC concentration was observed during the VPB sampling. Monitoring wells were purged until low-flow parameters (turbidity, dissolved oxygen, specific conductivity, temperature, pH, and oxidation/reduction potential) stabilized in accordance with USEPA's low-flow method protocols. A list of sampled wells and analytical results are presented in **Table 8** and **Attachments B** and **B1** at the end of this report (see **Attachment C** for full lab deliverable). Low-flow sampling logs, chains of custody (COC), and PFC daily checklists are provided in **Attachment D**.

A total of 61 samples (including three field duplicates, three trip blanks, and one equipment blank) were collected and submitted to Pace Analytical, of East Longmeadow, MA, an NYSDOH-ELAP approved laboratory. With exception to the equipment blank, each sample was analyzed for VOCs via USEPA Method 8260. Of the aforementioned samples, eight samples (including one field duplicate and one equipment blank [PFAS only]), collected from the MW-CPC wells, were also analyzed for PFAS by modified USEPA Method 1633 and 1,4-dioxane by method 8270 SIM.

4.3 Groundwater Analytical Results

4.3.1 Groundwater VOC Analytical Results

First quarter 2025 groundwater sampling event VOC exceedances are summarized in **Table 8** and are plotted in trend charts provided as **Figures 9** through **31**; treatment system effluent and influent water sampling results are shown in trend charts on **Figures 9** and **31**, respectively. The six downgradient MW-CPC monitoring well VOC exceedances are summarized on **Figure 32**. Water classification GA standards and guidance values obtained from Table 1 of NYSDEC's *Division of Water Technical, and Operational Guidance Series (TOGS) (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations* dated June 1998 and subsequent addenda were used to evaluate VOC results. TOGS 1.1.1 incorporates 6 NYCRR Part 703.5 Class GA groundwater criteria and supplements with additional guidance values.

In addition to the results below, acetone was detected above the NYSDEC TOGS 1.1.1. guidance value of 50 µg/L in 47 field samples (including the field duplicates) collected from PDBs, as provided in **Attachment B**. Acetone was not detected in downgradient MW-CPC monitoring wells.

Table 8 – Monitoring Well VOC Exceedances (in µg/L)

	PCE	TCE	cis-1,2-DCE	VC	1,2-DCA	1,1-DCA	Benzene
Criteria:	5	5	5	2	0.6	5	1
BP-3B	<u>6.4</u>	< 1 U	<u>5.6</u>	< 2 U	< 1 U	1.6	< 1 U
BP-3C	<u>9.1</u>	< 1 U	3.8	< 2 U	< 1 U	< 1 U	< 1 U
EW-11D	<u>35</u>	<u>110</u>	3.3	< 2 U	< 1 U	2.3	< 1 U
EW-12D	<u>15 D</u>	<u>240 D</u>	4.3 D	< 8 U	< 4 U	< 4 U	< 4 U
EW-14D	< 1 U	<u>10</u>	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
EW-4A	<u>19</u>	2.6	<u>35</u>	< 2 U	< 1 U	< 1 U	< 1 U
EW-4C	1.6	<u>16</u>	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
EW-7C	<u>16 D</u>	<u>230 D</u>	2.8 D	< 4 U	< 2 U	< 2 U	< 2 U
MW-10D	<u>16 D</u>	<u>140 D</u>	5.0 D	< 4 U	< 2 U	< 2 U	< 2 U
MW-11A	<u>7.4</u>	<u>7.0</u>	<u>68</u>	< 2 U	< 1 U	<u>8.2</u>	< 1 U
MW-11B	<u>5.9</u>	<u>6.1</u>	<u>30</u>	<u>2.5</u>	<u>1.6</u>	<u>17</u>	<u>1.7</u>
MW-7B-R	1.3	<u>35</u>	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
MW-8A	<u>7.2</u>	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
MW-CPC-36	<u>45</u>	<u>10</u>	<u>56</u>	< 2 U	2.5	1.0	<u>40</u>
MW-CPC-37	< 1 U	< 1 U	<u>9.9</u>	3.2	< 1 U	2.3	< 1 U
MW-CPC-40	< 1 U	2.5	< 1 U	< 2 U	< 1 U	<u>5.30</u>	< 1 U
MW-CPC-41	<u>5.1</u>	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
SW-1	<u>320 D</u>	<u>20 D</u>	<u>15 D</u>	< 10 U	< 5 U	< 5 U	< 5 U

Result values presented in µg/L. ND – not detected above the reporting limit; J – estimated value; D – diluted. Bold, underlined results are exceedances of the NYSDEC Part 703 Class GA criteria, which is incorporated into the TOGS 1.1.1 (June 1998 and subsequent addenda). See **Attachment B** for complete analytical results and comparison criteria. Abbreviations: PCE – tetrachloroethylene; TCE – trichloroethylene; cis-1,2-DCE – cis-1,2- dichloroethylene; VC – vinyl chloride, 1,2-DCA – 1,2-dichloroethane, 1,1-DCA – 1,1-dichloroethane; 1,4-DCB – 1,4-dichlorobenzene.

4.3.2 Groundwater Emerging Contaminant Results

In the first quarter 2025, the six downgradient MW-CPC series monitoring wells (**Figure 2**) were analyzed for the emerging contaminants 1,4-dioxane and the PFAS group of contaminants.

The criteria used to evaluate 1,4-dioxane, PFOS, and PFOA is the NYSDEC 2023 Addendum to NYSDEC’s *Division of Water Technical, and Operational Guidance Series (TOGS) (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations* dated June 1998 Maximum Allowable Concentration of 0.35 µg/L, 2.7 ng/L, and 6.7 ng/L, respectively.

Detected concentrations of compounds exceeding their respective criteria as listed above are shown on **Figures 33 and 34, Attachment B1**, and summarized in the table below.

Table 9 – Monitoring Well Emerging Contaminant Exceedances

	1,4-D	PFOS	PFOA
Criteria:	0.35 (a)	2.7 (a)	6.7 (a)
Reporting Unit:	(µg/L)	(ng/L)	
MW-CPC-36	<u>7.9</u>	<u>190</u>	<u>170</u>
MW-CPC-37	<u>26</u>	<u>38</u>	<u>90</u>
MW-CPC-38	<u>0.71</u>	<1.6 U	<1.6 U
MW-CPC-40	<u>2.8</u>	<1.5 U	<1.5 U
MW-CPC-41	<u>2.7</u>	<u>25</u>	<u>31</u>

No detected concentrations of the compounds presented above exceeded their respective criteria in the samples from MW-CPC-39. Bold and underlined results indicate exceedance of the criteria indicated as follows:

- a) For 1,4-dioxane and PFAS compounds: NYSDEC’s Division of Water Technical, and Operational Guidance Series (TOGS) (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations dated June 1998 and last updated in February 2023.

Abbreviations: 1,4-D – 1,4-Dioxane; PFOS – Perfluorooctanesulfonic acid; PFOA – Perfluorooctanoic acid; ND – not detected; J – estimated value. B – analyte found in associated blank as well as in the sample µg/L – micrograms per liter, ng/L – nanograms per liter.

4.3.3 Evaluation of Plumes

Figures 35 and **36** depict the horizontal plume location with approximated isoconcentration lines for PCE and TCE in plan view. The groundwater contamination distribution was further evaluated by creating sample location pie charts depicting the relative contributions of the chlorinated VOC contaminants PCE, TCE, 1,1-dichloroethene, trans-1,2- dichloroethene, cis-1,2-dichloroethylene, and vinyl chloride to their sum in cross section (**Figures 37** and **38**) and plan view (**Figure 39**). The horizontal and vertical distribution of PCE and TCE continues to demonstrate a shallow PCE plume comingled with a deeper TCE plume.

OU-4 on-site plume. This plume originates on the CPC site with the highest PCE concentrations historically measured at well SW-1, a water table well. Currently, the on-site plume is predominantly PCE with concentrations an order of magnitude greater than those of TCE. In 2015, PCE showed an increasing trend in well SW-1, with spikes in the second quarter (210 µg/L) and in the fourth (190 µg/L) of that year. However, in 2016 the PCE concentration steadily decreased from 150 µg/L during the first quarter down to 30 µg/L in the fourth. SW-1 was not sampled between the fourth quarter of 2016 and the second quarter of 2019, due to it becoming dry and subsequent low water levels. The PDB in SW-1, which was in the well since the fourth quarter of 2016, was submerged in the first and second quarter of 2019, due to an increase in the water table elevation. It was subsequently sampled in the second quarter of 2019 and had the highest concentration of PCE (180 µg/L) out of all on-site wells. The PCE concentration in SW-1 has generally increased since 2019. However, PCE concentrations have decreased throughout 2022 into 2023 with a high of 500 µg/L observed in the first quarter 2022 and a low of 86 µg/L

observed in the second quarter of 2023. PCE concentrations at SW-1 have generally increased from the third quarter of 2023 through 2025. While remaining an order of magnitude lower than PCE, TCE has consistently mirrored these quarterly PCE variations (**Figure 10**).

Off-site plume upgradient of CPC site. This plume contains VOCs from upgradient sources such as Former Aluminum Louvre (FAL). The plume can be detected as far upgradient as the EW-7-series well cluster and stretches southeast into OU5 as far as well MW-7B-R. The FAL (OU-1) and off-site (OU-2) investigations were completed in 2015, with the most recent Record of Decision (ROD) for OU-2 issued in March 2019. Groundwater containing VOCs, primarily TCE, migrated from FAL to beneath the Bethpage State Park Black Golf Course. The source area at FAL is at the east side of the facility and a large storm water recharge basin at Winding Road and Old Bethpage-Sweethollow Road is thought to influence shallow groundwater flow direction beneath FAL in an easterly direction. The FAL plume contains TCE, PCE, and 1,1,1-TCA and flows south-southeast after it moves off-site. When it reaches the CPC site, the FAL plume is found to the east of the CPC source areas.

The plume is predominantly TCE, with TCE concentrations typically an order of magnitude greater than those of PCE in EW-7C (**Figure 17**). TCE-dominant wells include EW-4B, EW-4C, EW-7C, EW-11D, EW-12D, EW-14D, MW-7B-R, and MW-10D. MW-7B-R TCE concentrations have been trending downward since the OU-4 plant was shut down (**Figure 27**). Despite an overall upward trend of TCE concentrations in EW-12D, TCE has been relatively stable since the plant shutdown (**Figure 20**). While an overall slightly decreasing trend has been observed at EW-7C, a slight upward trend was observed from the end of 2019 through the fourth quarter in 2022 and again from second quarter through first quarter 2024 (**Figure 17**).

Well EW-14D. Groundwater contamination at EW-14D is typically TCE dominant, similar to the off-site, upgradient plume. The PCE concentration is typically below the groundwater quality standard of 5 µg/L (see **Figure 21**). Well EW-14D has the greatest variability in TCE concentrations. However, the overall TCE trend is decreasing.

Southern Area. This location is centered on the BP-3 series wells (BP-3A, B, and C) south of the CPC site and downgradient of the extraction wells (**Figures 22 through 24**). The PCE concentrations at BP-3B and BP-3C are historically higher than those of TCE. Both BP-3B and BP-3C also have exceedances above standard for cis-1,2-DCE. Trends for PCE, TCE, and cis-1,2-DCE at BP-3B and BP-3C are decreasing.

Cross Sections. Two cross section figures depict the contaminants of concern along two transects (**Figures 37 and 38**). Cross section A-A' (**Figure 37**) begins at DW-1 and continues along the direction of groundwater flow (south-southeast) to the BP-3 series wells. The PCE-dominant plume is at a higher elevation than the TCE-dominant plume in the vicinity of the CPC site and moves south-southeast to well MW-08A. PCE is detected deeper in the BP-3-series wells, which are the farthest downgradient wells from the CPC site.

Cross section B-B' (**Figure 38**) begins east of A-A' at the EW-7-series wells and continues along the direction of groundwater flow to well MW-7B-R. PCE concentrations observed in wells in this cross section are below the 5 µg/L standard in the EW-2 series wells, DW-2, EW-4B, EW-4C, EW-4D, EW-5, EW-7D, and MW-7B-R. TCE concentrations observed in wells in this cross section are

below the 5 µg/L standard in the EW-2 series wells and at wells DW-2, EW-4D, EW-5, and EW-7D.

4.3.4 Comparison to Historic Groundwater Quality

Figures 7 through 29 illustrate the historic trends for VOC concentrations in multiple wells. The following table summarizes the concentration trends of PCE and TCE in each of the wells.

Table 10 – PCE and TCE Concentration Trends in Select Monitoring Wells

Well	Screen Depth ⁽¹⁾	Location	PCE Trend	TCE Trend	Figure
CPC Plume Wells					
DW-1	93-98	South-southwest of CPC	Increasing	Decreasing	Figure 9
SW-1	65-70	South-southwest of CPC	Increasing	Increasing	Figure 10
EW-1A	65-75	Southwest of CPC	Decreasing	Decreasing	Figure 11
EW-5	165-175	South-southeast of CPC	Decreasing	Decreasing	Figure 12
Off-Site Plume(s) Wells					
EW-4A	100-115	East of CPC	Increasing	Increasing	Figure 13
EW-4B	120-130	East of CPC	Slightly decreasing	Slightly decreasing	Figure 14
EW-4C	145-155	East of CPC	Decreasing	Slightly decreasing	Figure 15
EW-4D	285-295	East of CPC	Decreasing	Decreasing	Figure 16
EW-7C	189-199	Upgradient, North of CPC	Stable	Slightly decreasing	Figure 17
EW-7D	273-283	Upgradient, North of CPC	Decreasing	Decreasing	Figure 18
MW-10D	346-351	Southeast of CPC	Stable	Increasing	Figure 19
EW-12D	209-219	East of CPC	Increasing	Increasing	Figure 20
EW-14D	185-195	Southeast of CPC	Decreasing	Decreasing	Figure 21

Well	Screen Depth⁽¹⁾	Location	PCE Trend	TCE Trend	Figure
BP-3A	54-74	South-southeast of CPC	Decreasing	Decreasing	Figure 22
BP-3B	215-235	South-southeast of CPC	Decreasing	Decreasing	Figure 23
BP-3C	280-300	South-southeast of CPC	Decreasing	Decreasing	Figure 24
MW-11A	140-145	South-southeast of CPC	Increasing	Increasing	Figure 25
MW-11B	240-245	South-southeast of CPC	Increasing	Increasing	Figure 26
MW-7B-R	230-235	South-southeast of CPC	Decreasing	Decreasing	Figure 27
Extraction Wells and OU5 Plant Influent					
RW-3	163-255	Extraction well south-southeast of CPC	Decreasing	Slightly decreasing	Figure 28
RW-4	147-250	Extraction well south-southeast of CPC	Decreasing	Decreasing	Figure 29
RW-5	153-263	Extraction well south-southeast of CPC	Decreasing	Decreasing	Figure 30
OU5 Plant Influent	NA	Plant influent	Slightly decreasing	Increasing	Figure 31

(1) Screen depths given in feet below ground surface.

Decreasing trends indicate mass removal from groundwater in the area around the well. Increasing and stable trends indicate partial capture and/or additional source(s) contributing to groundwater contamination in the area of the well.

5. CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

The first quarter of 2025 groundwater monitoring event at the CPC site covered the on-site plume (OU-4), off-site plume (OU-5), and the downgradient area covered by the MW-CPC series monitoring wells. Analysis of the data has resulted in the following conclusions:

- A groundwater plume of VOCs, primarily PCE, originates proximate to the former CPC Process Building (on-site plume). Recent data obtained from OU-4 monitoring well SW-1, indicates localized PCE concentrations have increased since the cessation of OU-4 pumping in 2016. However, the Remedial System Optimization (RSO) report for the OU-5 GWE&T concluded that the combined capture zone of recovery wells RW-3, RW-4 and RW-5 captures the estimated width of the OU-4 plume migrating directly south from the CPC Site (HDR, 2019).
- An off-site, upgradient plume consisting mostly of TCE originates to the north or northwest of the former CPC site. The TCE contamination was only partially captured by the CPC OU-4 GWE&T system. Similarly, the combined capture zone of OU-5 recovery wells RW-3, RW-4 and RW-5 is not sufficient to capture the upgradient TCE plume, only extending about 200 feet to the east of RW-4, the eastern-most recovery well based on the RSO report finding (HDR, 2019).
- The OU-5 GWE&T system influent concentrations of PCE, TCE, and cis-1,2-DCE decreased between the second and third quarters of 2022 when recovery wells RW-4 and RW-5 were inoperable. However, influent concentrations increased from the third quarter of 2022 through the first quarter of 2025 (see **Figure 31**). A total of 23.31 kilograms (51.39 pounds) of PCE, TCE, and 1,1-DCE combined were removed during the first quarter 2025 via operation of the OU-5 GWE&T system. See **Table 5** for specific removal quantities.
- Contaminant concentrations in effluent groundwater samples collected during the reporting period met discharge limits.
- The results from the first quarter 2025 groundwater sampling event show the following VOC compounds detected above the NYSDEC Part 703 Class GA groundwater criteria: PCE, TCE, cis-1,2-DCE, VC, 1,1-DCE, 1,2-DCA, 1,1,1 TCA, acetone, and benzene.
- BP-3: HDR previously concluded that the current OU-5 recovery well network is not capable of capturing groundwater contamination around the BP-3 series of wells (as indicated by the fluctuation of PCE concentrations at the time, and that it is possible that contaminant mass is migrating beneath the limited influence of the combined capture zones of RW-3, RW-4, and RW-5 in the deeper aquifer. However, overall trends of PCE, TCE, cis-1,2-DCE, VC, and 1,1,1 TCA are decreasing which suggests that capture is likely.
- TCE concentrations at MW-7B-R have continued to show a decline since treatment was transferred from the OU-4 facility to the OU-5 facility. TCE concentrations are approximately one order of magnitude lower than concentrations following the shutdown of OU-4 (see **Figure 27**). This reduction is likely due to the OU-5 recovery wells intercepting the contaminant mass, given the well's position downgradient of the OU-5 recovery wells.
- The direction of groundwater flow at the site remains predominately south-southeast with no regionally significant changes observed in flow direction during operation of the OU-4 GWE&T system or since operation ceased.
- The results from the first quarter 2025 groundwater sampling event show 1,4- dioxane was detected above the NYSDOH Maximum Contaminant Level of 0.35 µg/L at five of the downgradient MW-CPC series monitoring wells: MW-CPC-36, MW-CPC- 37, MW-CPC-38, MW-

CPC-40, and MW-CPC-41. The highest result values were found in MW-CPC-36 and MW-CPC-37 which are upgradient from a public water supply well N-07852 (**Figure 33**).

- PFOS and PFOA continue to be the dominant PFAS compounds detected at the MW-CPC series of wells. Exceedances are limited to MW-CPC-36, MW-CPC-37, and MW-CPC-41, which are located approximately upgradient to side gradient of the public water supply wells (**Figure 34**). Total PFAS results remain highest in MW-CPC-36.
- Resumption of monthly sampling of OU5 plant influent and effluent for emerging contaminants began in August 2022. Exceedances of 1,4-dioxane in influent and effluent samples, as well as PFOS, and PFOA in influent samples, were reported in the first quarter 2025. As discussed in **Section 3.1.2.**, a GAC treatability study was conducted between April 26, 2024 through September 17, 2024 in an effort to evaluate treatment of PFAS in extracted groundwater. Results associated with the GAC treatability study will be detailed under separate cover in a forthcoming Treatability Study Report.

5.2 Recommendations

- Evaluate defective, non-functioning, and critical components of the conveyance and treatment system to confirm the capacity of the piping system, condition of conveyance vaults, adequacy of treatment and recharge, and potential modifications as deemed necessary. Perform repairs to components adversely affecting current capacity and treatment (e.g. replacing defective air inlets on conveyance line).
- Determine vertical extent of TVOC contamination and depth of clay units at the location of the recovery wells and horizontal and vertical extent of the plume to the east by installing vertical profile borings (VPB) between RW-3 and RW-4 and east of monitoring well EW-14D.
- Based on the findings of the VPB investigation, upgrade and/or expand the system with additional extraction wells. Upgrade via installation of new pumps/motors in one or more of the existing recovery wells to increase pumping capacity and extend capture to the east. Install one or two new extraction wells screened deeper and further east.
- Recovery wells RW-1 and RW-2 should remain offline.
- Upgrade or replace the GWE&T system to treat 1,4-dioxane and PFAS compounds found to be present above New York State's applicable standards.

6. REFERENCES

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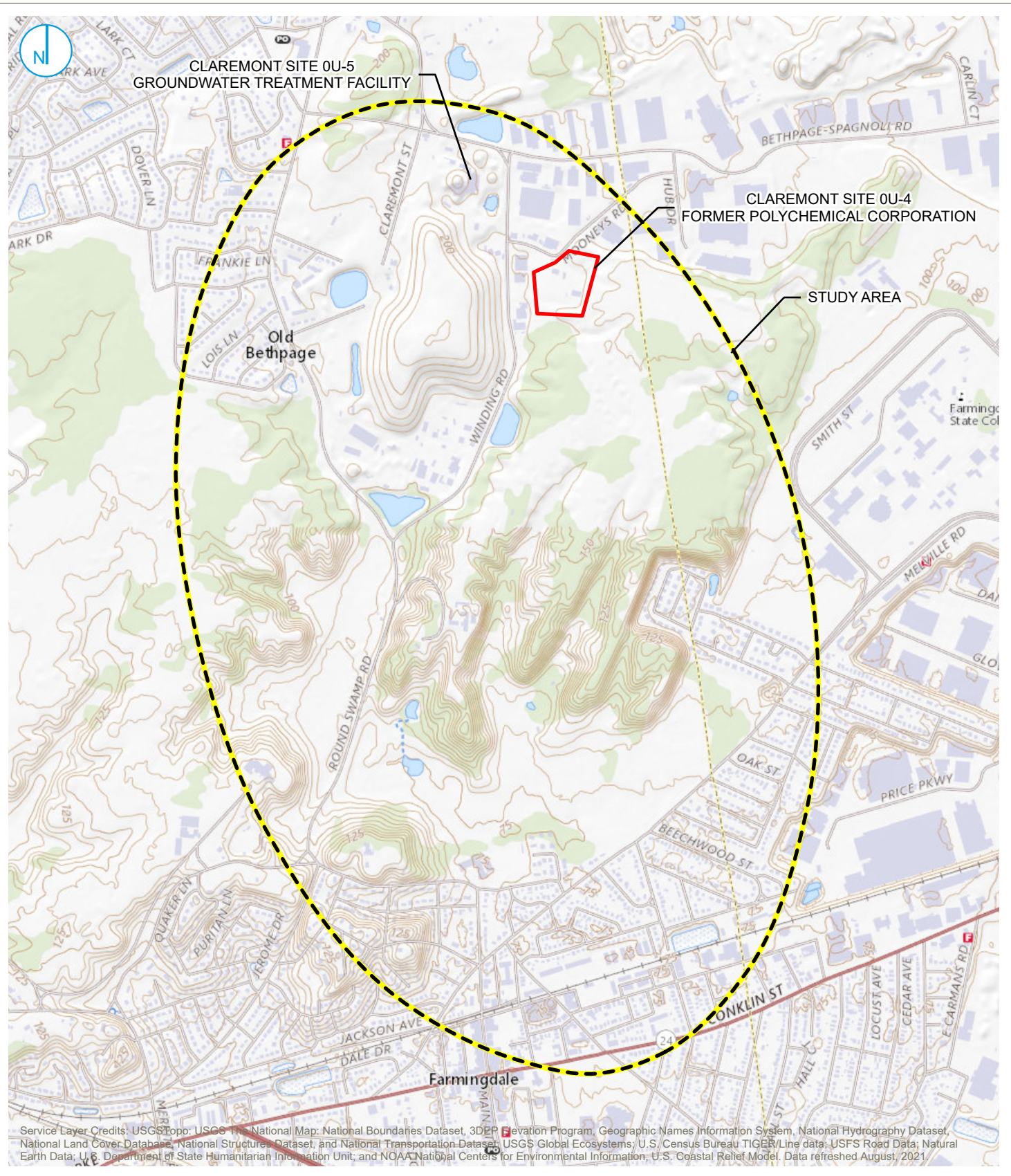
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FIGURES

K:\INYS-DEC-1087815\Standards\GIS\Claremont_Pro\Claremont_Polychemical.aprx\Claremont_Site_Location

PROJECT: 1690001940101703 | DATED: 4/26/2022 | DESIGNER: SSOULE



Service Layer Credits: USGS Topo; USGS The National Map; National Boundaries Dataset; 3DEP Elevation Program; Geographic Names Information System; National Hydrography Dataset; National Land Cover Database; National Structures Dataset; and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information; U.S. Coastal Relief Model. Data refreshed August, 2021

Map Scale: 1:24,000 | Map Center: 73°26'43"W 40°44'53"N



KEY MAP (not to scale)



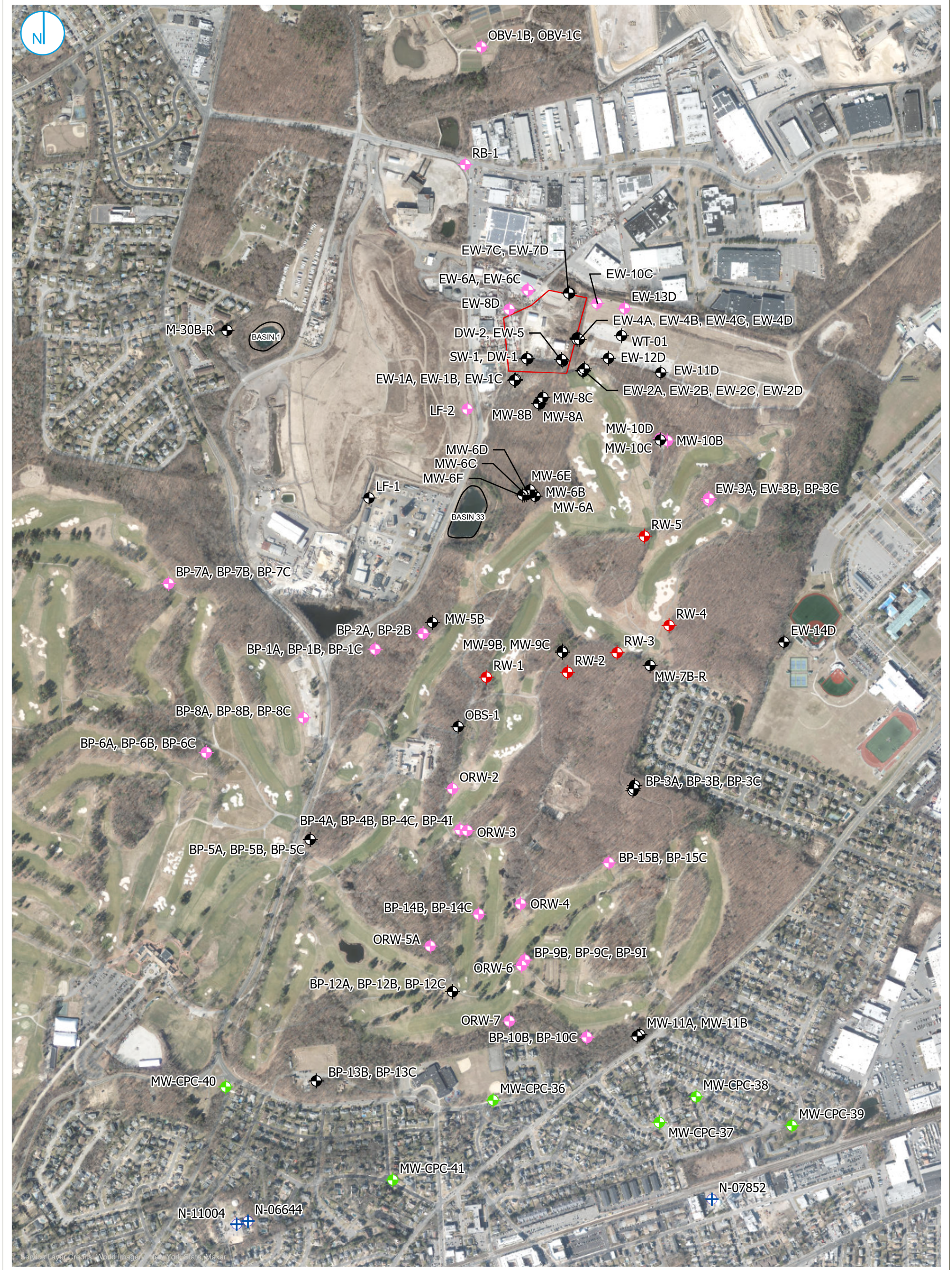
SITE LOCATION

FIGURE 01

**CLAREMONT
POLYCHEMICAL CORPORATION**
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY





- MONITORING WELL
- GAUGED ONLY
- GAUGED AND SAMPLED

- SENTINEL WELL GAUGED AND SAMPLED
- RECOVERY WELL
- MUNICIPAL WELL

- RECHARGE BASIN
- SITE BOUNDARY

WELLS SAMPLED

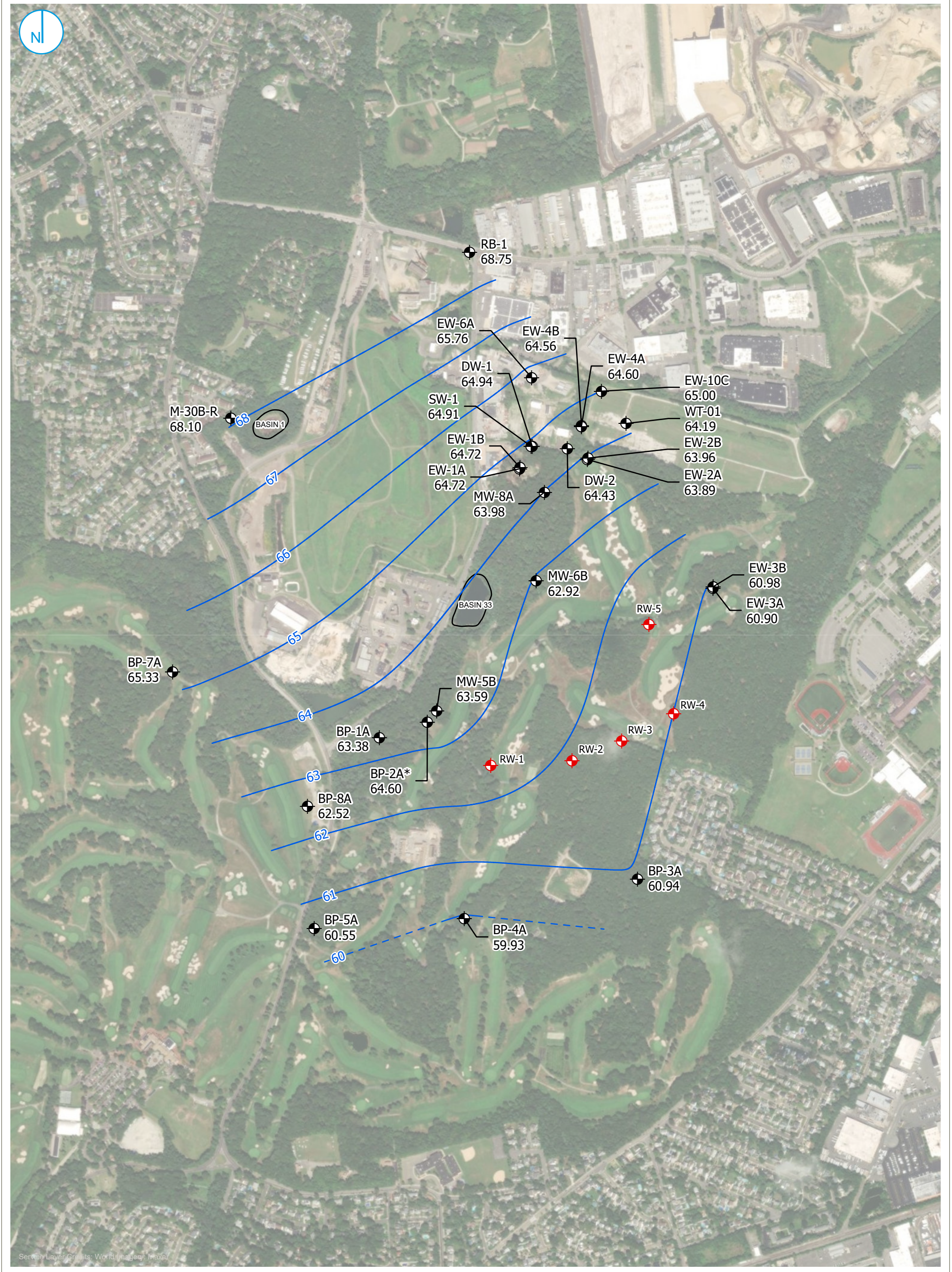
FIGURE 02



CLAREMONT POLYCHEMICAL CORPORATION
 505 WINDING ROAD
 OLD BETHPAGE, NEW YORK

RAMBOLL AMERICAS
 ENGINEERING SOLUTIONS, INC.
 A RAMBOLL COMPANY





- MONITORING WELL
- RECOVERY WELL
- POTENTIOMETRIC CONTOUR
- INFERRED POTENTIOMETRIC CONTOUR
- RECHARGE BASIN

0 400 800
Feet

Notes

- * - Well BP-2A was excluded from contour drawing.
- All elevations recorded in feet in NAVD 88.

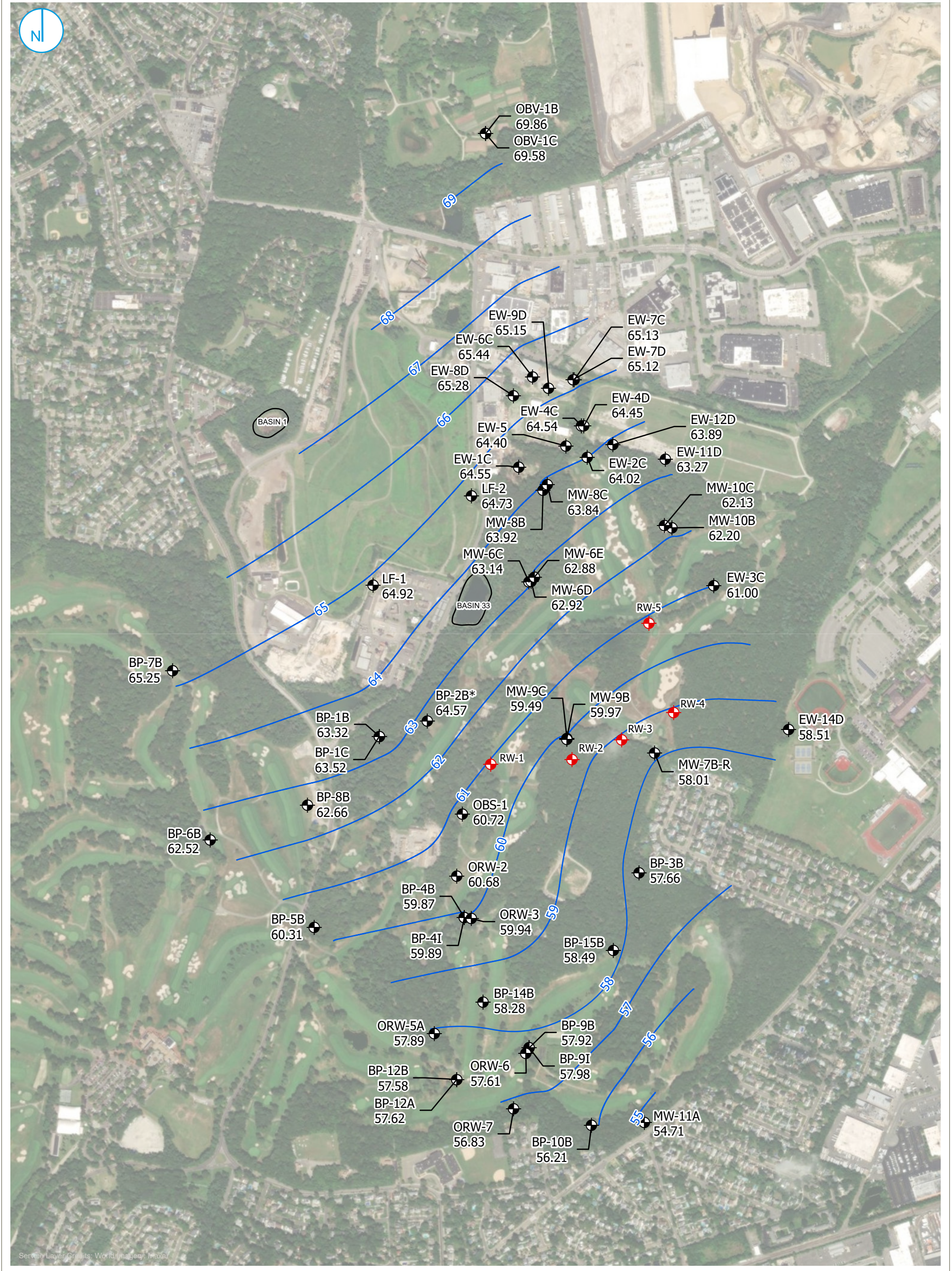
**JANUARY 2025
POTENTIOMETRIC CONTOURS
UPPER MAGOTHY**

FIGURE 03

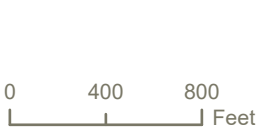
CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY





- MONITORING WELL
- RECOVERY WELL
- POTENTIOMETRIC CONTOUR
- RECHARGE BASIN



Notes
 - * - Well BP-2B was excluded from contour drawing.
 - All elevations recorded in feet in NAVD 88.

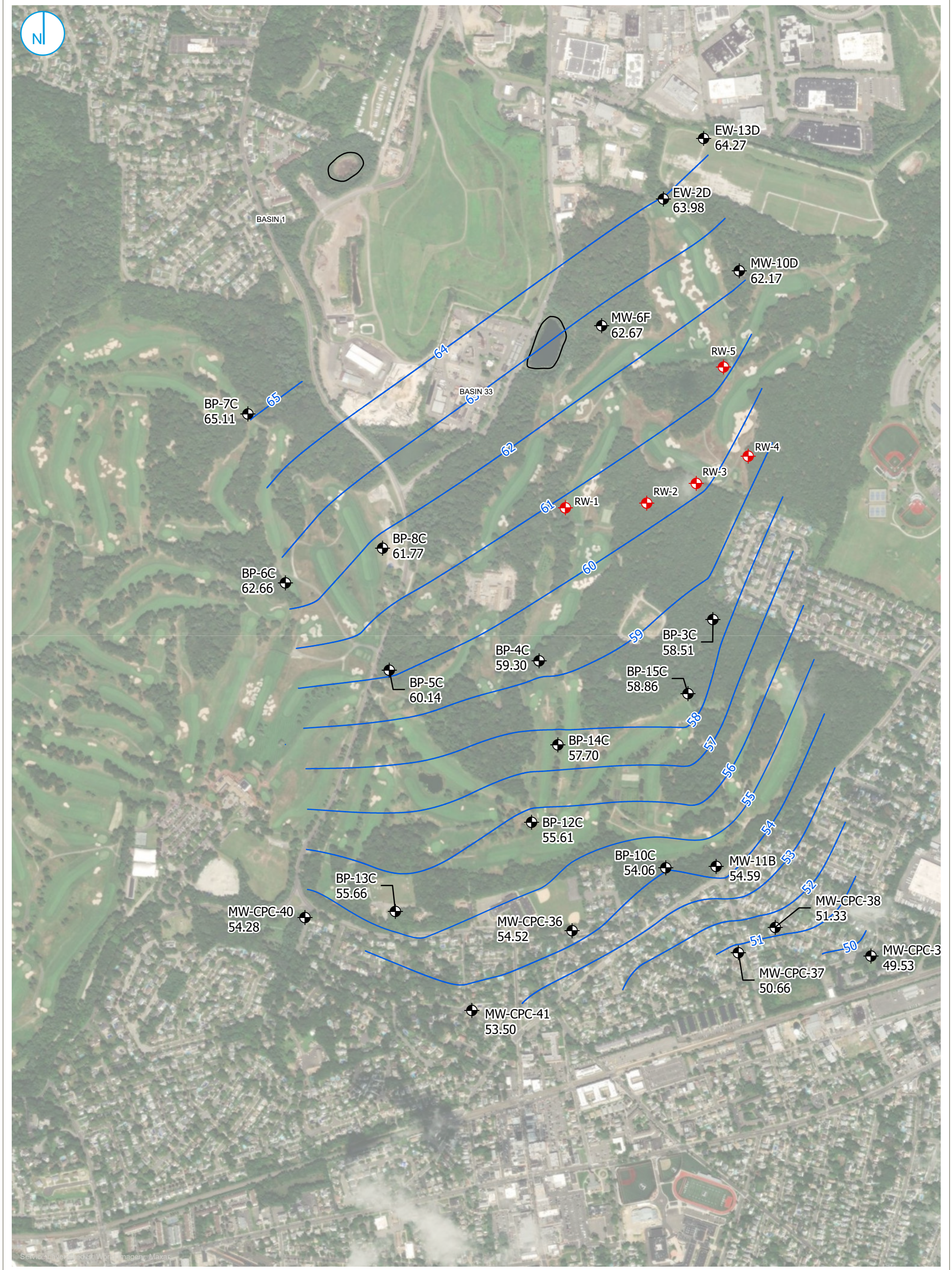
**JANUARY 2025
 POTENTIOMETRIC CONTOURS
 MIDDLE MAGOTHY**

FIGURE 04

CLAREMONT POLYCHEMICAL CORPORATION
 505 WINDING ROAD
 OLD BETHPAGE, NEW YORK

RAMBOLL AMERICAS
 ENGINEERING SOLUTIONS, INC.
 A RAMBOLL COMPANY





**JANUARY 2025
POTENTIOMETRIC CONTOURS
LOWER MAGOTHY**

FIGURE 05

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

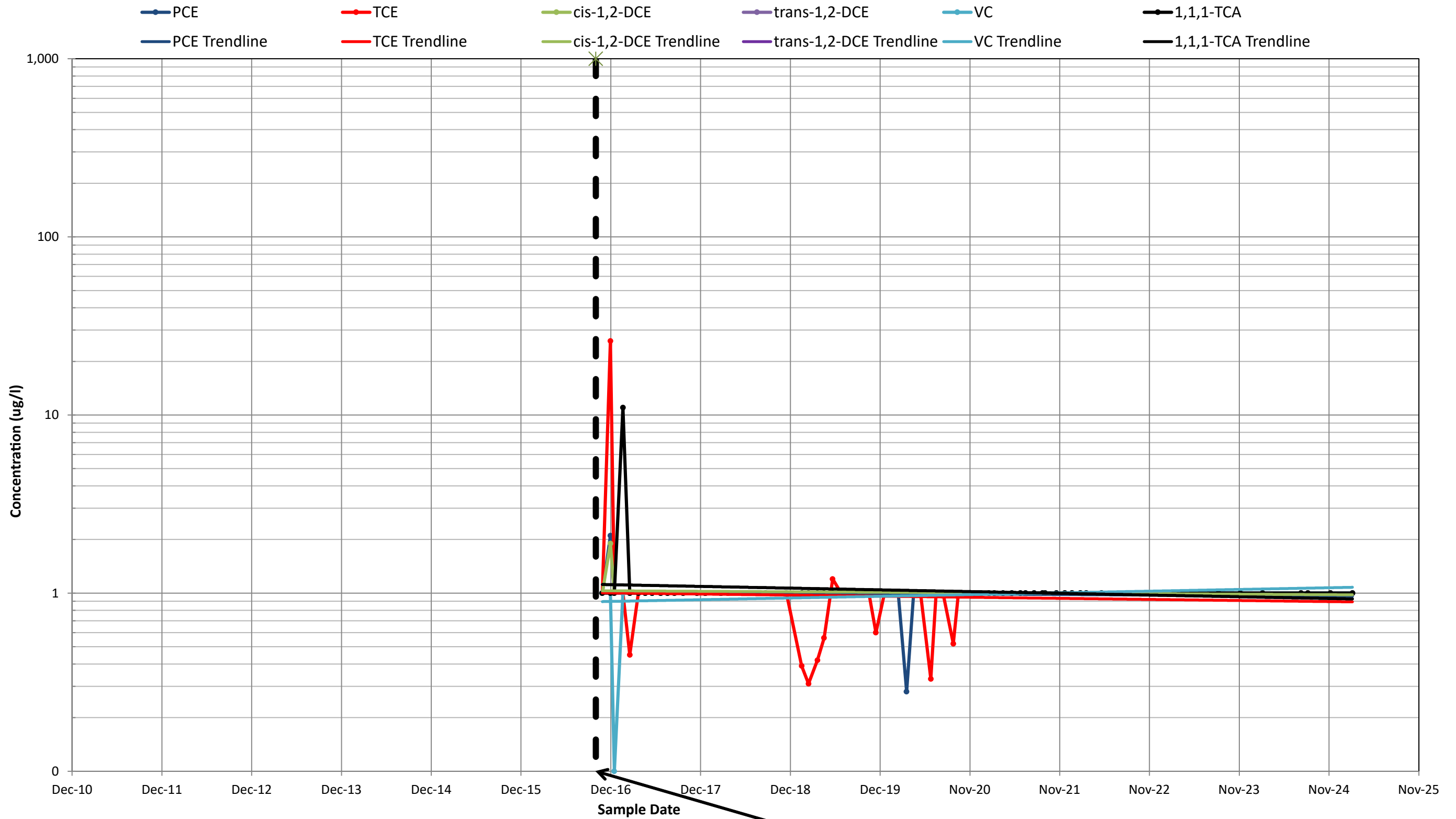
CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK



0 400 800
Feet

K:\NYS-DEC-1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_1Q2025\Claremont_Polychemical_1Q2025 aprx\Fig06-Chlorinated_VOC_Effluent

PROJECT: 1940101703 | DATED: 5/14/2025 | DESIGNER: SSOULLE



NYSDEC 703 Class GA: PCE, TCE, trans-1,2-DCE, cis-1,2-DCE, 1,1,1-DCE = 5 ug/l; VC = 2 ug/l;
Detection limits used to display non-detect results. How some reporting limits were generated is unknown.

*On-site groundwater extraction and treatment transitioned from the OU4 treatment facility to the OU5 treatment facility as of October 1, 2016.

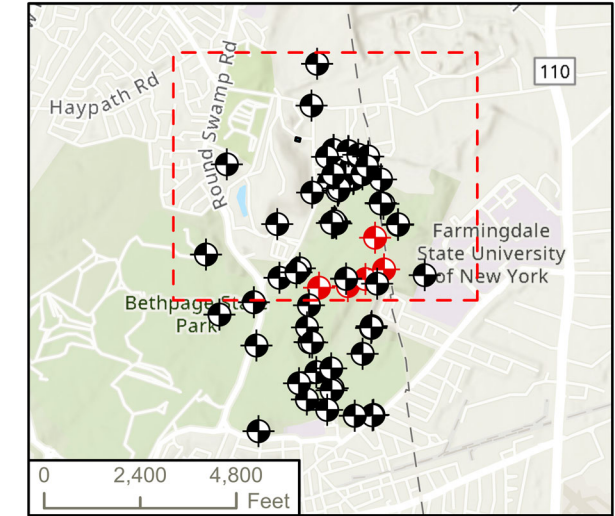
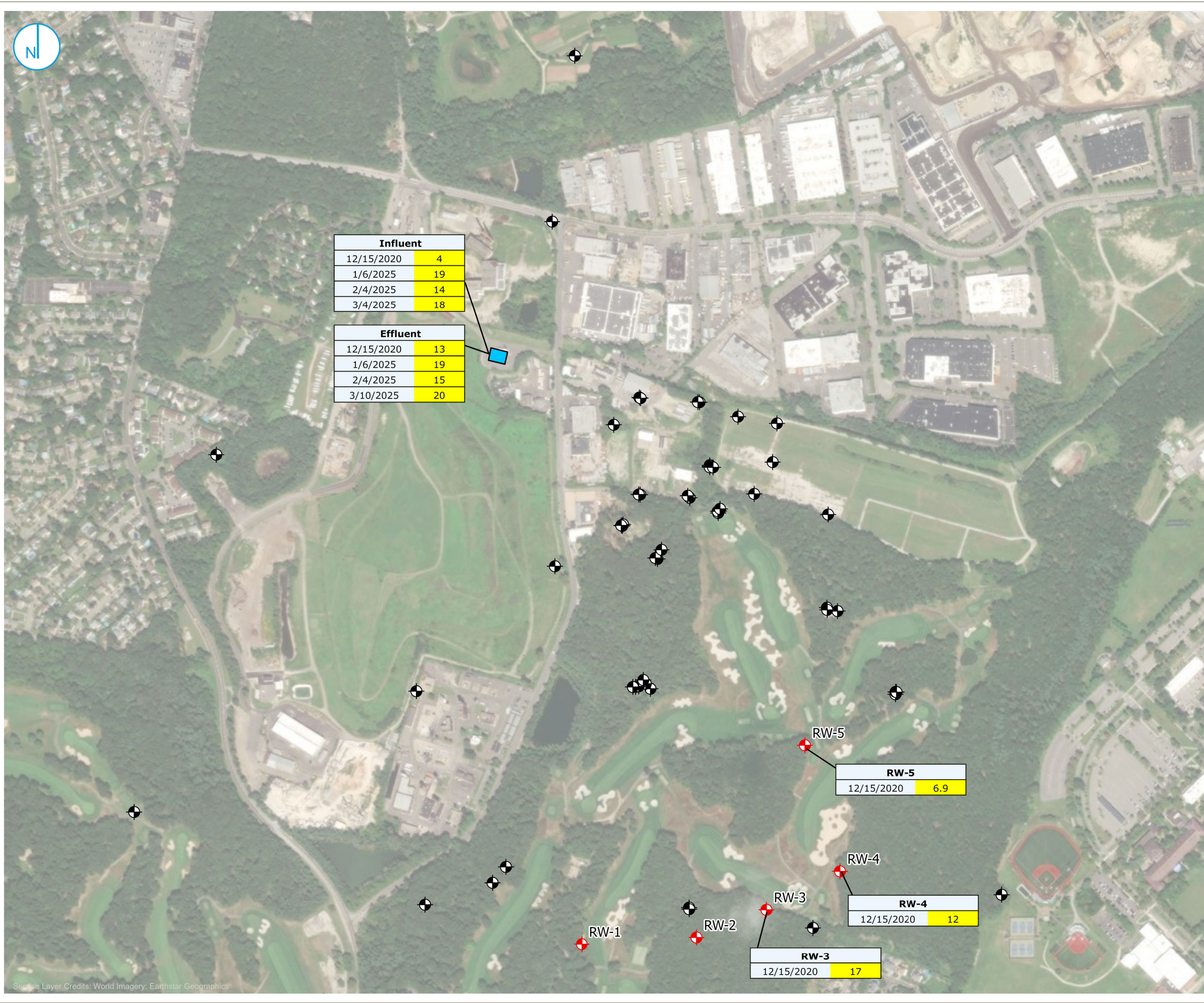
CHLORINATED VOC CONCENTRATIONS EFFLUENT

FIGURE 06

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK





- MONITORING WELL (GAUGED)
- RECOVERY WELL
- TREATMENT BUILDING

- Process Sample Results Notes:**
- 1,4-Dioxane was compared to the NYSDEC "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. Division of Water Technical and Operational Guidance Series (1.1.1)." Last updated February 2023. Criteria shown on table below.
 - Exceedance of relevant criteria indicated by yellow highlighting in the data box on the map.
 - Final, validated data presented on figure.
 - X / X - Indicates primary / duplicate results.
 - All results presented in ug/L.

Standards / Criteria:	ug/L
1,4-Dioxane	0.35



1,4-DIOXANE EXCEEDANCES IN PROCESS SAMPLES

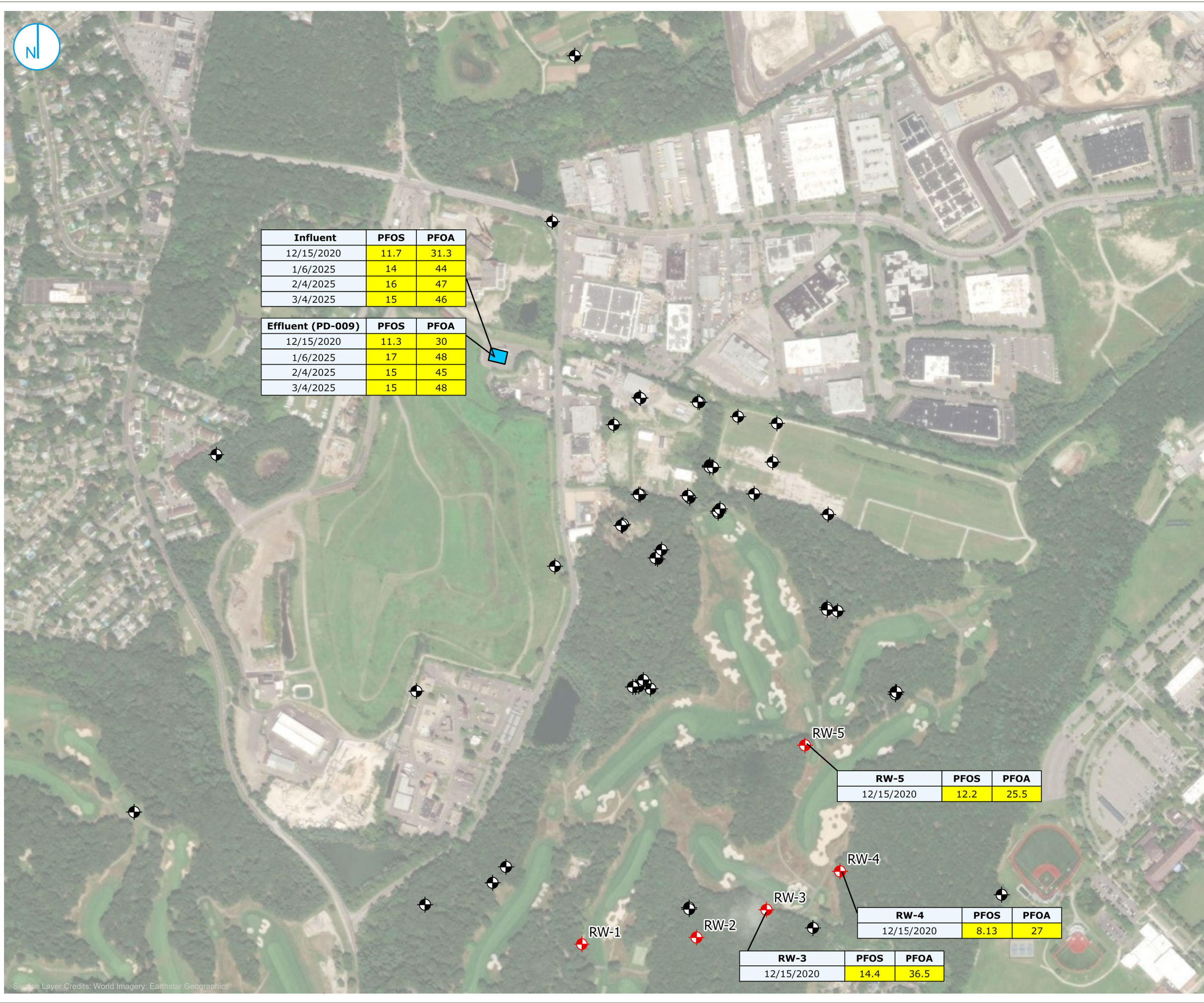
CLAREMONT POLYCHEMICAL CORPORATION
 505 WINDING ROAD
 OLD BETHPAGE, NEW YORK

FIGURE 07

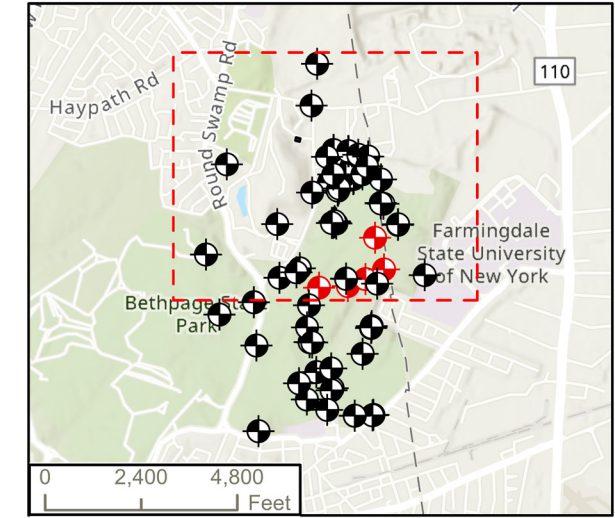
RAMBOLL AMERICAS
 ENGINEERING SOLUTIONS, INC.
 A RAMBOLL COMPANY



Source Layer Credits: World Imagery; Earthstar Geographics



Source Layer Credits: World Imagery; Earthstar Geographics



- MONITORING WELL (GAUGED)
- RECOVERY WELL
- TREATMENT BUILDING

- Process Sample Results Notes:**
- PFOS and PFOA were compared to the NYSDEC "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. Division of Water Technical and Operational Guidance Series (1.1.1)." Last updated February 2023.
 - Only compounds with exceedances are shown. If the compound is not shown it was not detected above the criteria in any sample.
 - Criteria for compounds shown on this figure are presented in the table below.
 - Exceedance of relevant criteria indicated by yellow highlighting in the data box on the map.
 - Final, validated data presented on figure.
 - X / X - Indicates primary / duplicate results.
 - All results presented in ng/L.

Standards / Criteria:	ng/L
Perfluorooctanesulfonic acid (PFOS)	2.7
Perfluorooctanoic acid (PFOA)	6.7



PFAS EXCEEDANCES

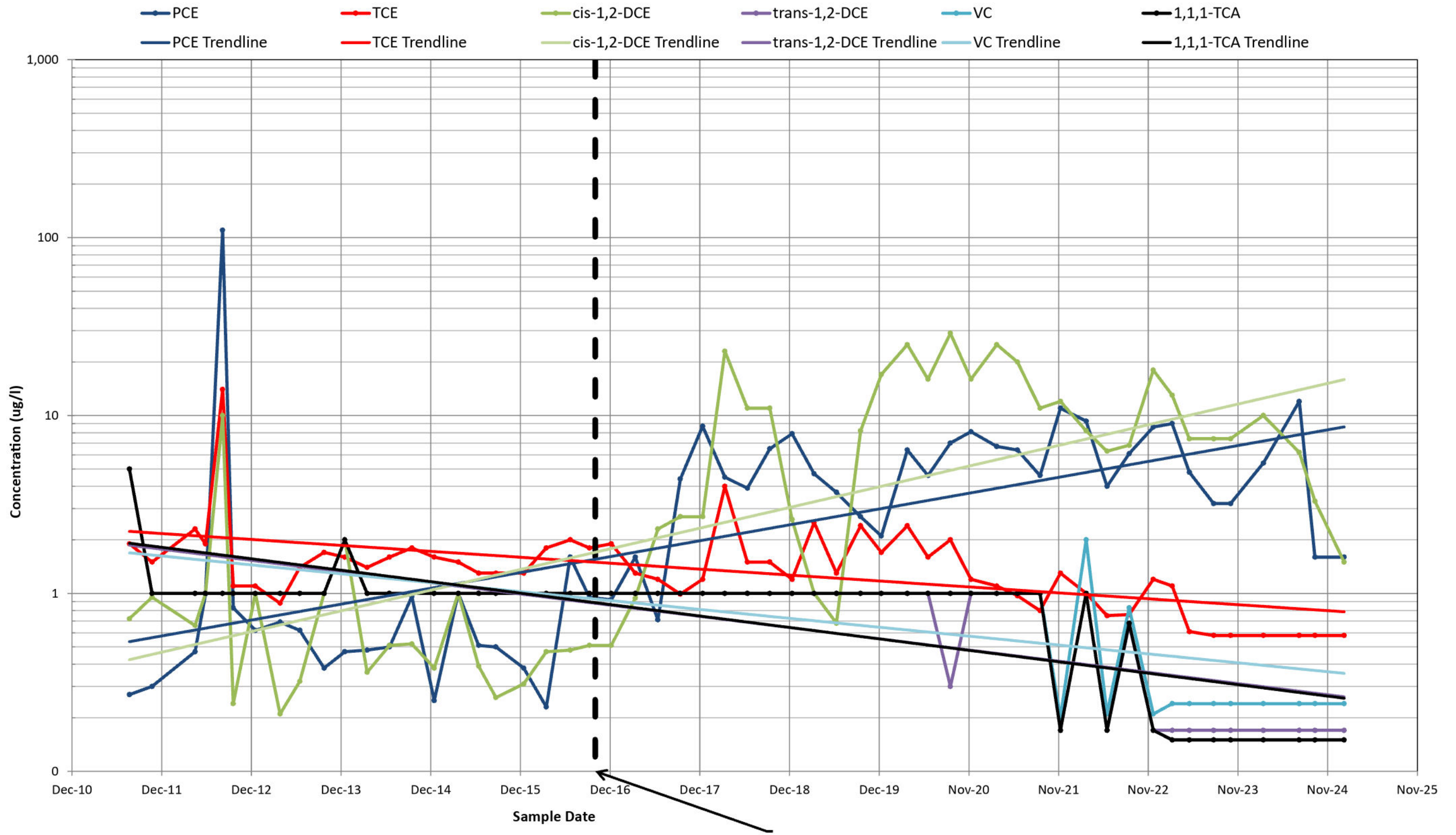
CLAREMONT POLYCHEMICAL CORPORATION
 505 WINDING ROAD
 OLD BETHPAGE, NEW YORK

FIGURE 08

RAMBOLL AMERICAS
 ENGINEERING SOLUTIONS, INC.
 A RAMBOLL COMPANY



PROJECT: 1940101703 | DATED: 3/17/2025 | DESIGNER: ZSALTSMAN
 K:\NYS-DEC-1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_1Q2025\Claremont_Polychemical_1Q2025.aprx\Fig09-Chlorinated_VOC_DW-1



NYSDEC 703 Class GA: PCE, TCE, trans-1,2-DCE, cis-1,2-DCE, 1,1,1-DCE = 5 ug/l; VC = 2 ug/l;
 Detection limits used to display non-detect results. How some reporting limits were generated is unknown.

*On-site groundwater extraction and treatment transitioned from the OU4 treatment facility to the OU5 treatment facility as of October 1, 2016.

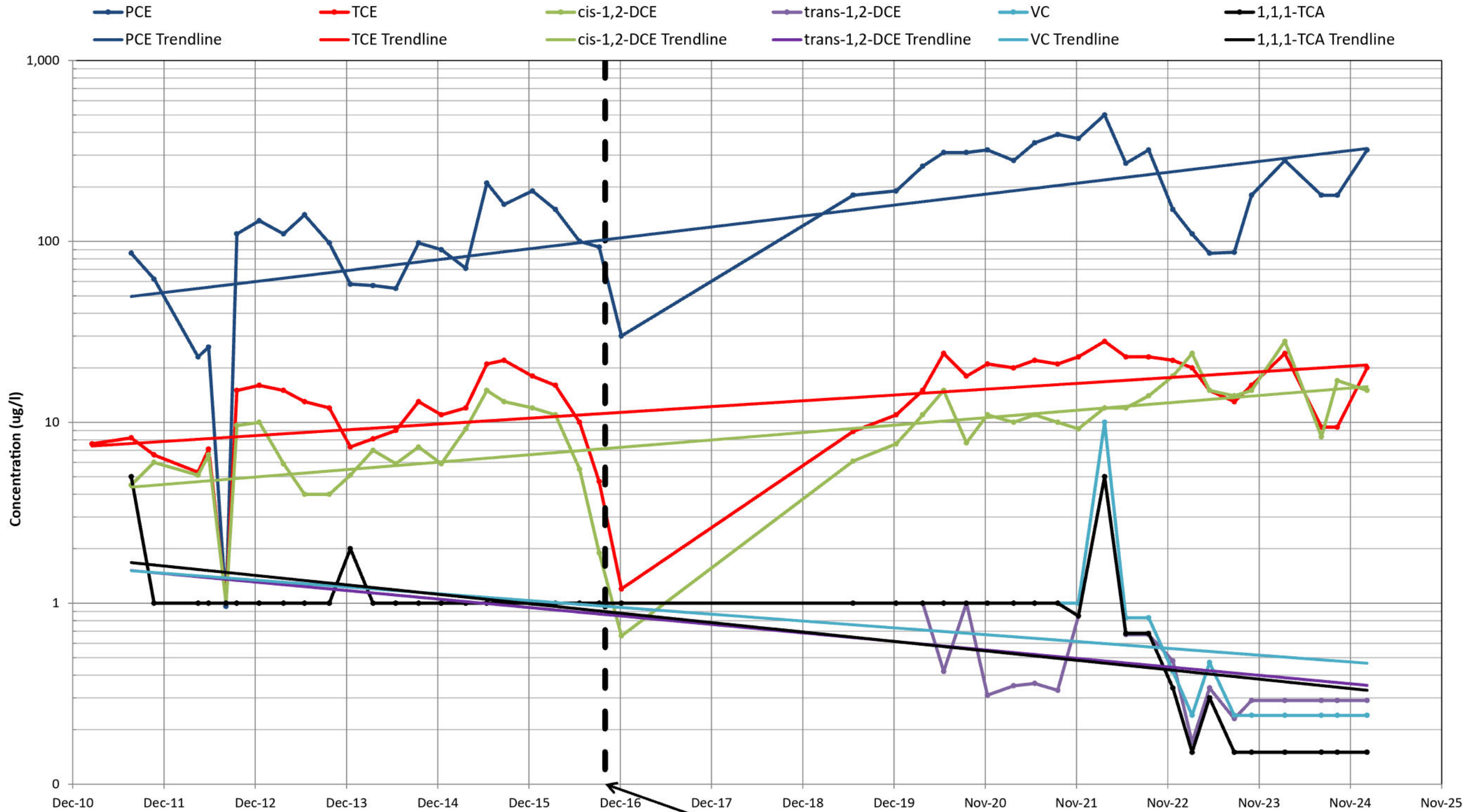
CHLORINATED VOC CONCENTRATIONS
 DW-1

FIGURE 09

CLAREMONT POLYCHEMICAL CORPORATION
 505 WINDING ROAD
 OLD BETHPAGE, NEW YORK

RAMBOLL AMERICAS
 ENGINEERING SOLUTIONS, INC.
 A RAMBOLL COMPANY





NYSDEC 703 Class GA: PCE, TCE, trans-1,2-DCE, cis-1,2-DCE, 1,1,1-DCE = 5 ug/l; VC = 2 ug/l; Sample Date
 Detection limits used to display non-detect results. How some reporting limits were generated is unknown.

*On-site groundwater extraction and treatment transitioned from the OU4 treatment facility to the OU5 treatment facility as of October 1, 2016.

Well was dry in for all four quarters of 2017.

CHLORINATED VOC CONCENTRATIONS
 SW-1

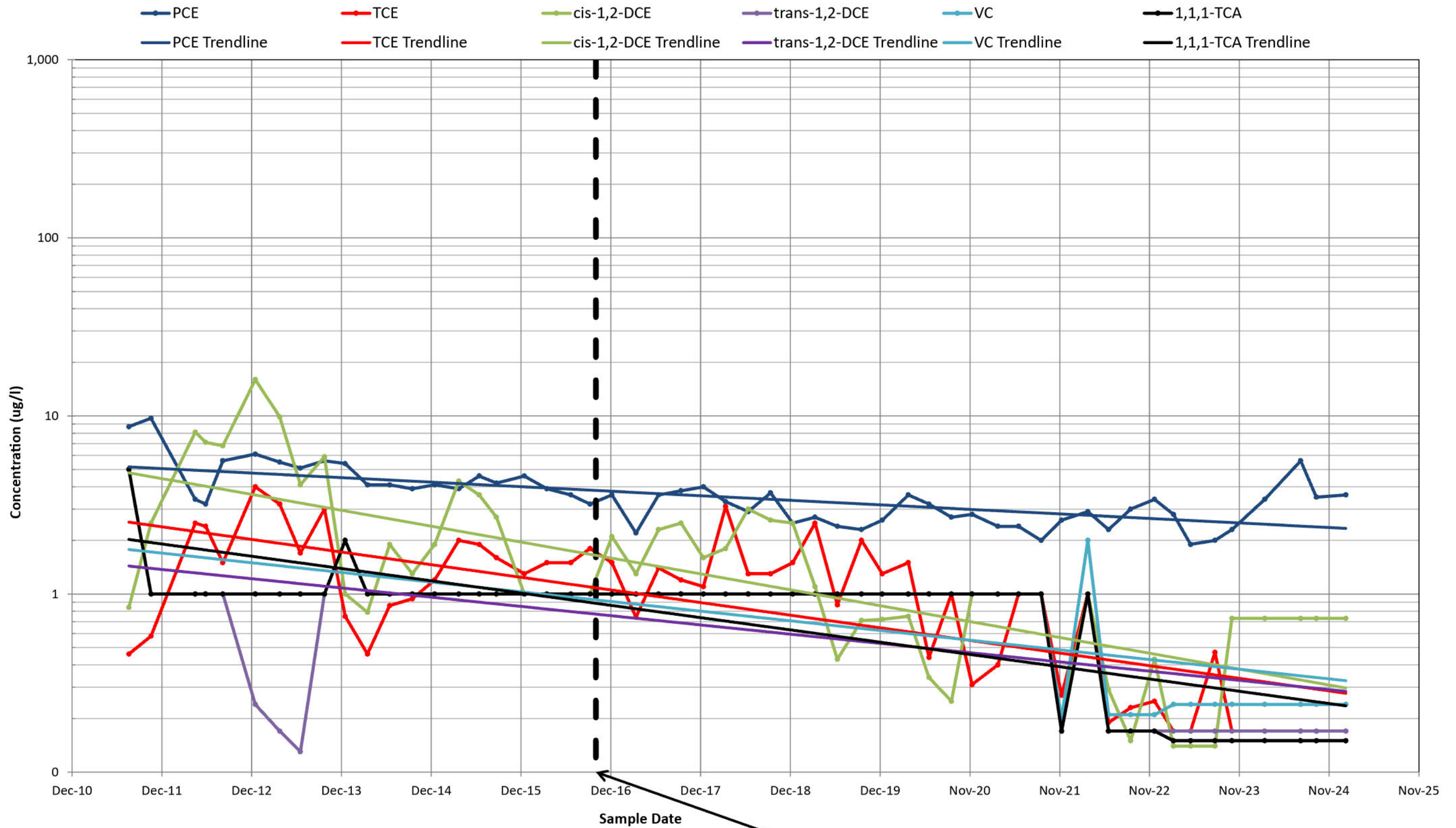
FIGURE 10

CLAREMONT POLYCHEMICAL CORPORATION
 505 WINDING ROAD
 OLD BETHPAGE, NEW YORK

RAMBOLL AMERICAS
 ENGINEERING SOLUTIONS, INC.
 A RAMBOLL COMPANY



PROJECT: 1940101703 | DATED: 3/17/2025 | DESIGNER: ZSALTSMAN
K:\NYS-DEC-1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_1Q2025\Claremont_Polychemical_1Q2025.aprx\Fig11-Chlorinated_VOC_EW-1A



NYSDEC 703 Class GA: PCE, TCE, trans-1,2-DCE, cis-1,2-DCE, 1,1,1-DCE = 5 ug/l; VC = 2 ug/l;
Detection limits used to display non-detect results. How some reporting limits were generated is unknown.

*On-site groundwater extraction and treatment transitioned from the OU4 treatment facility to the OU5 treatment facility as of October 1, 2016.

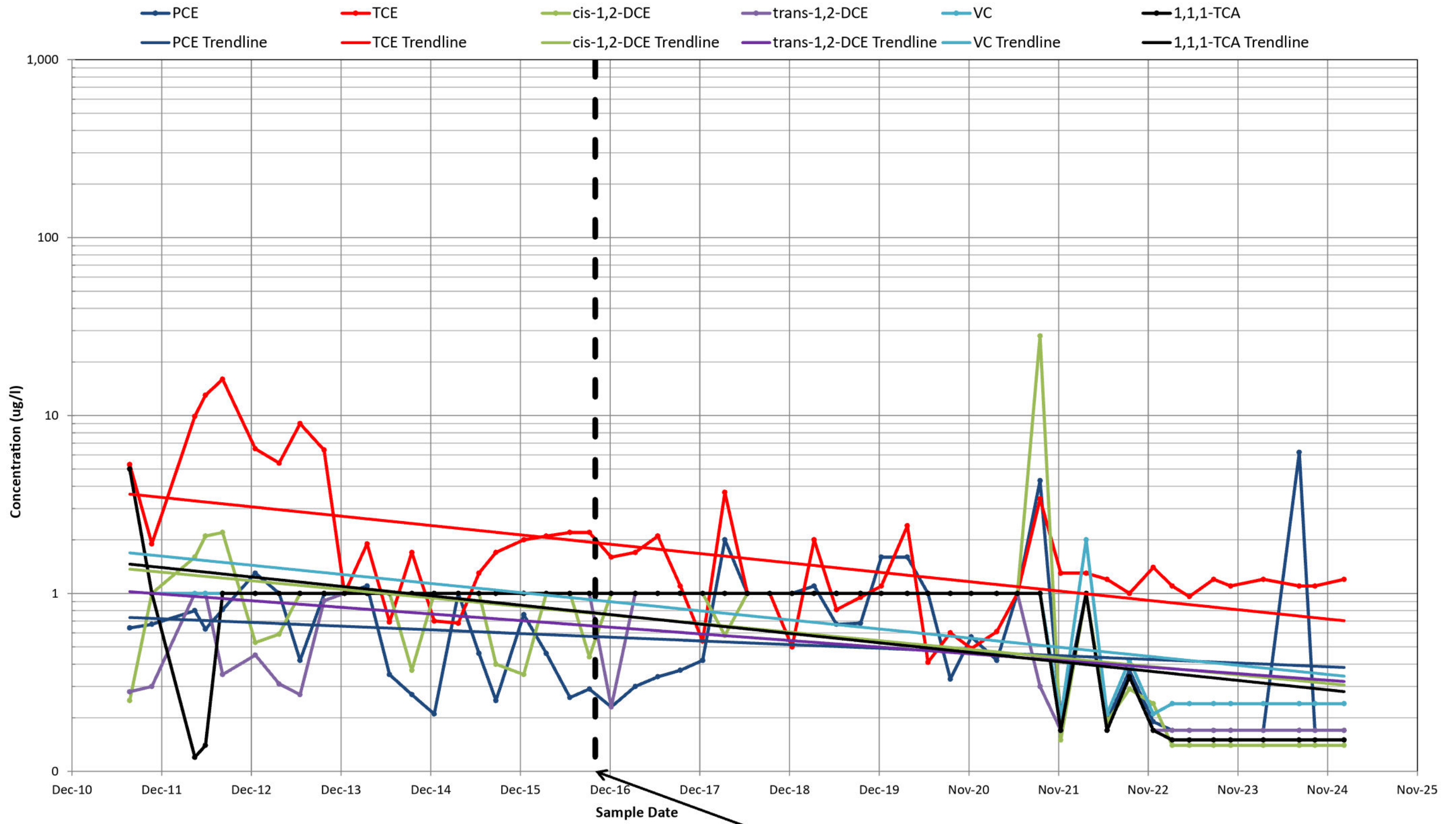
CHLORINATED VOC CONCENTRATIONS EW-1A

CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

FIGURE 11

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY





NYSDEC 703 Class GA: PCE, TCE, trans-1,2-DCE, cis-1,2-DCE, 1,1,1-DCE = 5 ug/l; VC = 2 ug/l;
 Detection limits used to display non-detect results. How some reporting limits were generated is unknown.

*On-site groundwater extraction and treatment transitioned from the OU4 treatment facility to the OU5 treatment facility as of October 1, 2016.

CHLORINATED VOC CONCENTRATIONS
EW-5

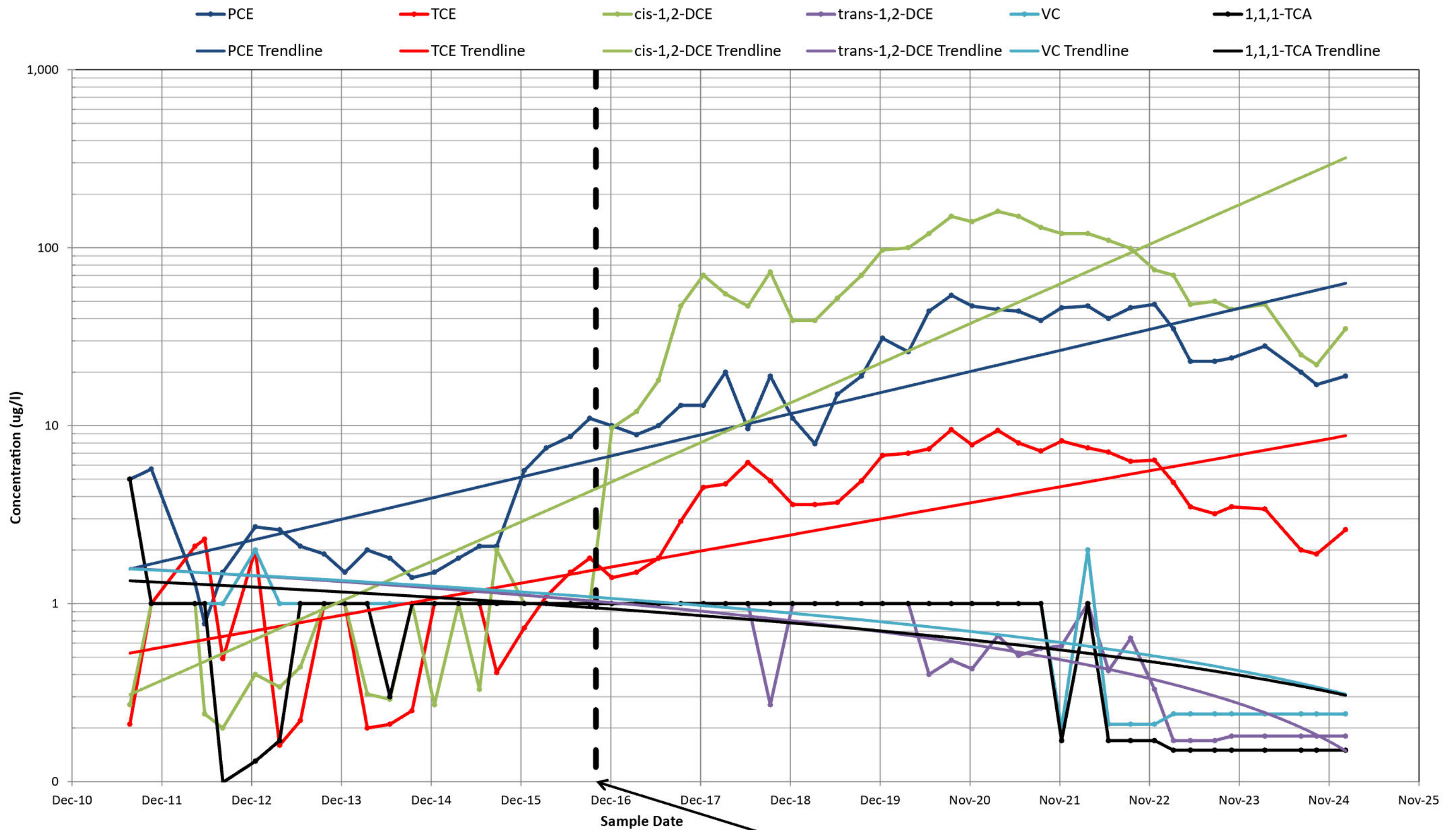
FIGURE 12

CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY



PROJECT: 1940101703 | DATED: 3/17/2025 | DESIGNER: ZSALTSMAN
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NYSDEC 703 Class GA: PCE, TCE, trans-1,2-DCE, cis-1,2-DCE, 1,1,1-DCE = 5 ug/l; VC = 2 ug/l;
Detection limits used to display non-detect results. How some reporting limits were generated is unknown.

*On-site groundwater extraction and treatment transitioned from the OU4 treatment facility to the OU5 treatment facility as of October 1, 2016.

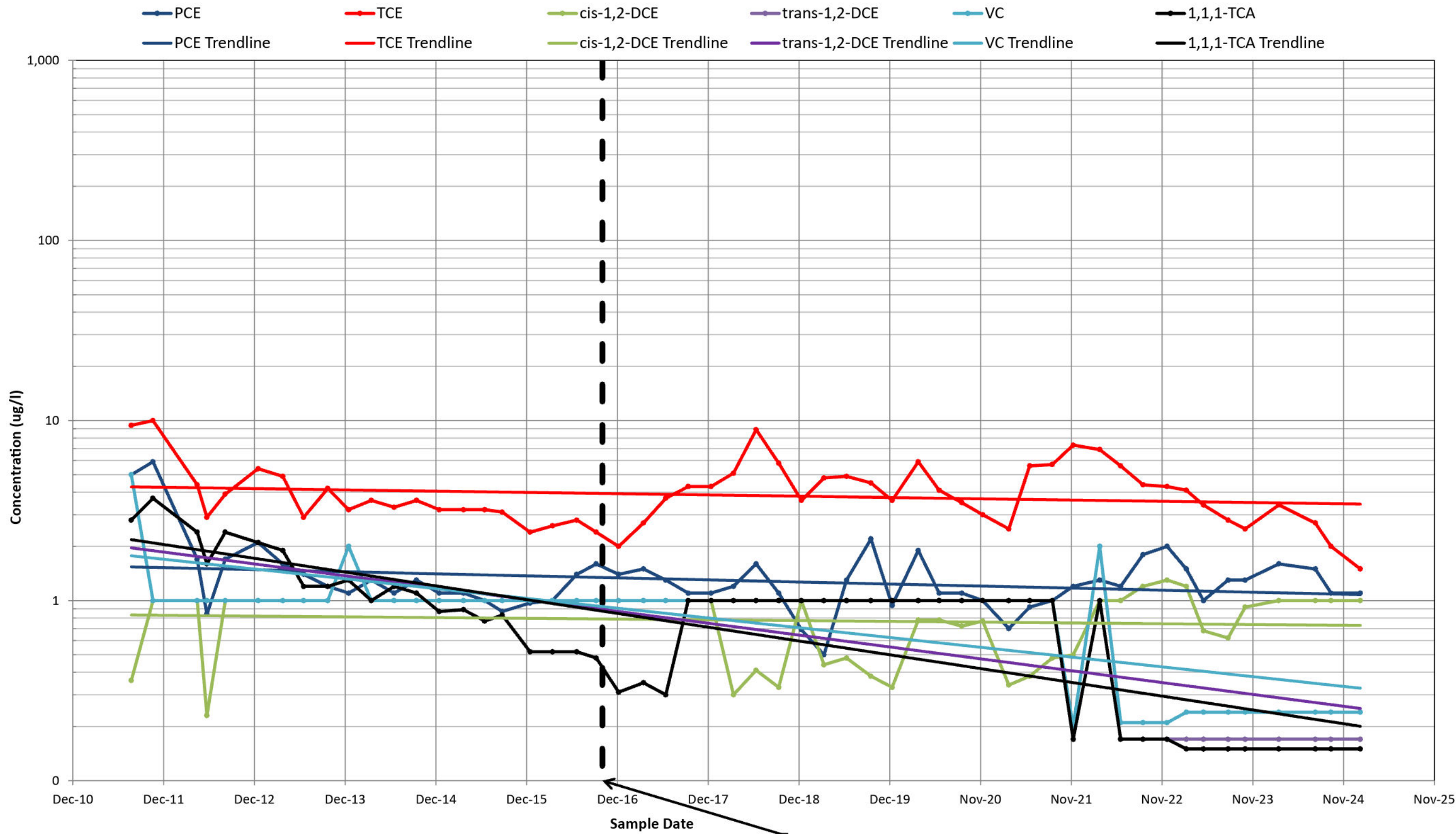
CHLORINATED VOC CONCENTRATIONS EW-4A

CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

FIGURE 13

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY





NYSDEC 703 Class GA: PCE, TCE, trans-1,2-DCE, cis-1,2-DCE, 1,1,1-DCE = 5 ug/l; VC = 2 ug/l;
 Detection limits used to display non-detect results. How some reporting limits were generated is unknown.

*On-site groundwater extraction and treatment transitioned from the OU4 treatment facility to the OU5 treatment facility as of October 1, 2016.

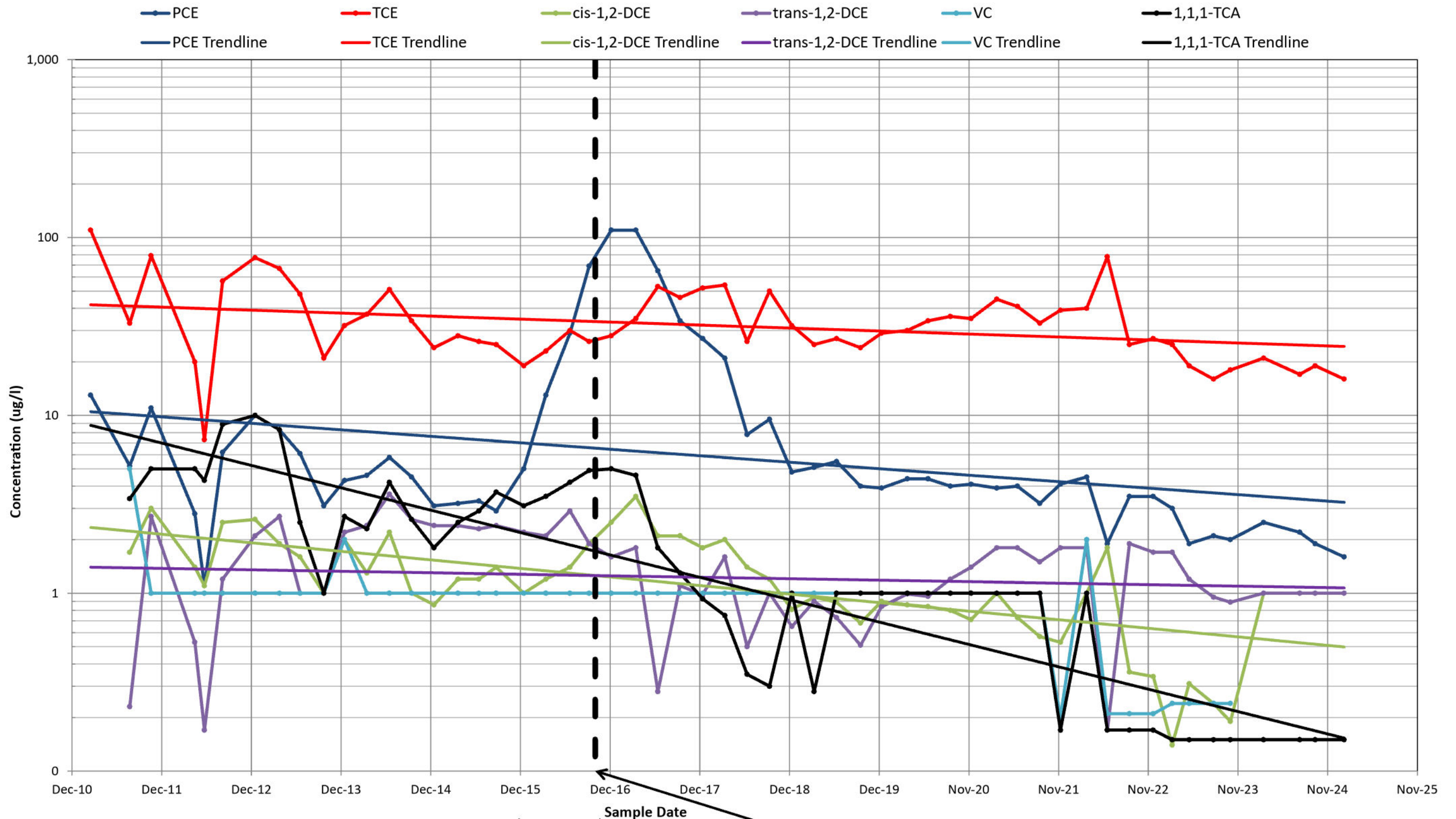
CHLORINATED VOC CONCENTRATIONS
EW-4B

CLAREMONT POLYCHEMICAL CORPORATION
 505 WINDING ROAD
 OLD BETHPAGE, NEW YORK

FIGURE 14

RAMBOLL AMERICAS
 ENGINEERING SOLUTIONS, INC.
 A RAMBOLL COMPANY





NYSDEC 703 Class GA: PCE, TCE, trans-1,2-DCE, cis-1,2-DCE, 1,1,1-DCE = 5 ug/l; VC = 2 ug/l;
 Detection limits used to display non-detect results. How some reporting limits were generated is unknown.

*On-site groundwater extraction and treatment transitioned from the OU4 treatment facility to the OU5 treatment facility as of October 1, 2016.

CHLORINATED VOC CONCENTRATIONS
EW-4C

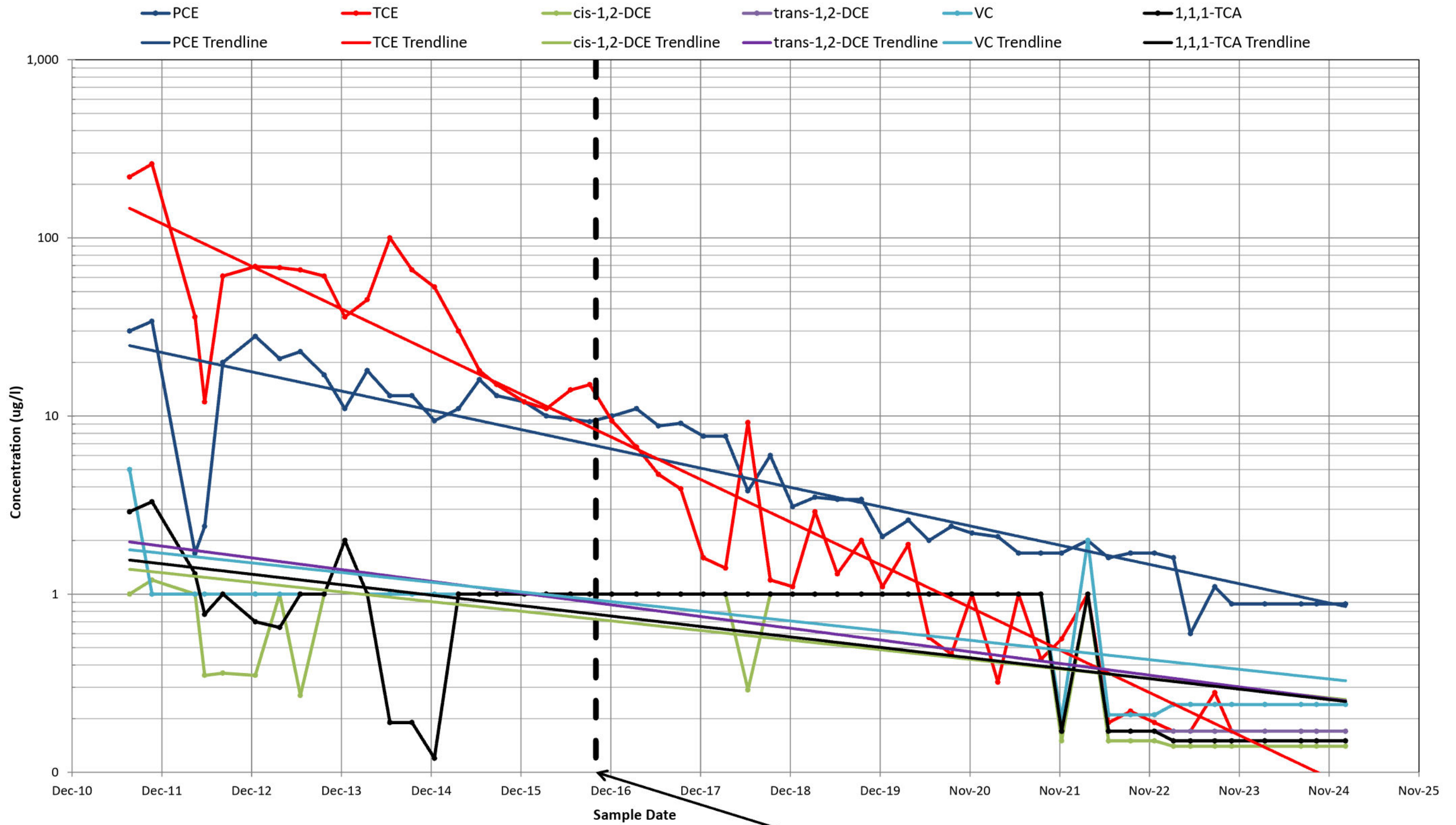
FIGURE 15

CLAREMONT POLYCHEMICAL CORPORATION
 505 WINDING ROAD
 OLD BETHPAGE, NEW YORK

RAMBOLL AMERICAS
 ENGINEERING SOLUTIONS, INC.
 A RAMBOLL COMPANY



K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_102025.aprx\Fig16-Chlorinated_VOC_EW-4D
PROJECT: 940101703 | DATED: 3/17/2025 | DESIGNER: ZSALTSMAN



NYSDEC 703 Class GA: PCE, TCE, trans-1,2-DCE, cis-1,2-DCE, 1,1,1-DCE = 5 ug/l; VC = 2 ug/l;
Detection limits used to display non-detect results. How some reporting limits were generated is unknown.

*On-site groundwater extraction and treatment transitioned from the OU4 treatment facility to the OU5 treatment facility as of October 1, 2016.

CHLORINATED VOC CONCENTRATIONS EW-4D

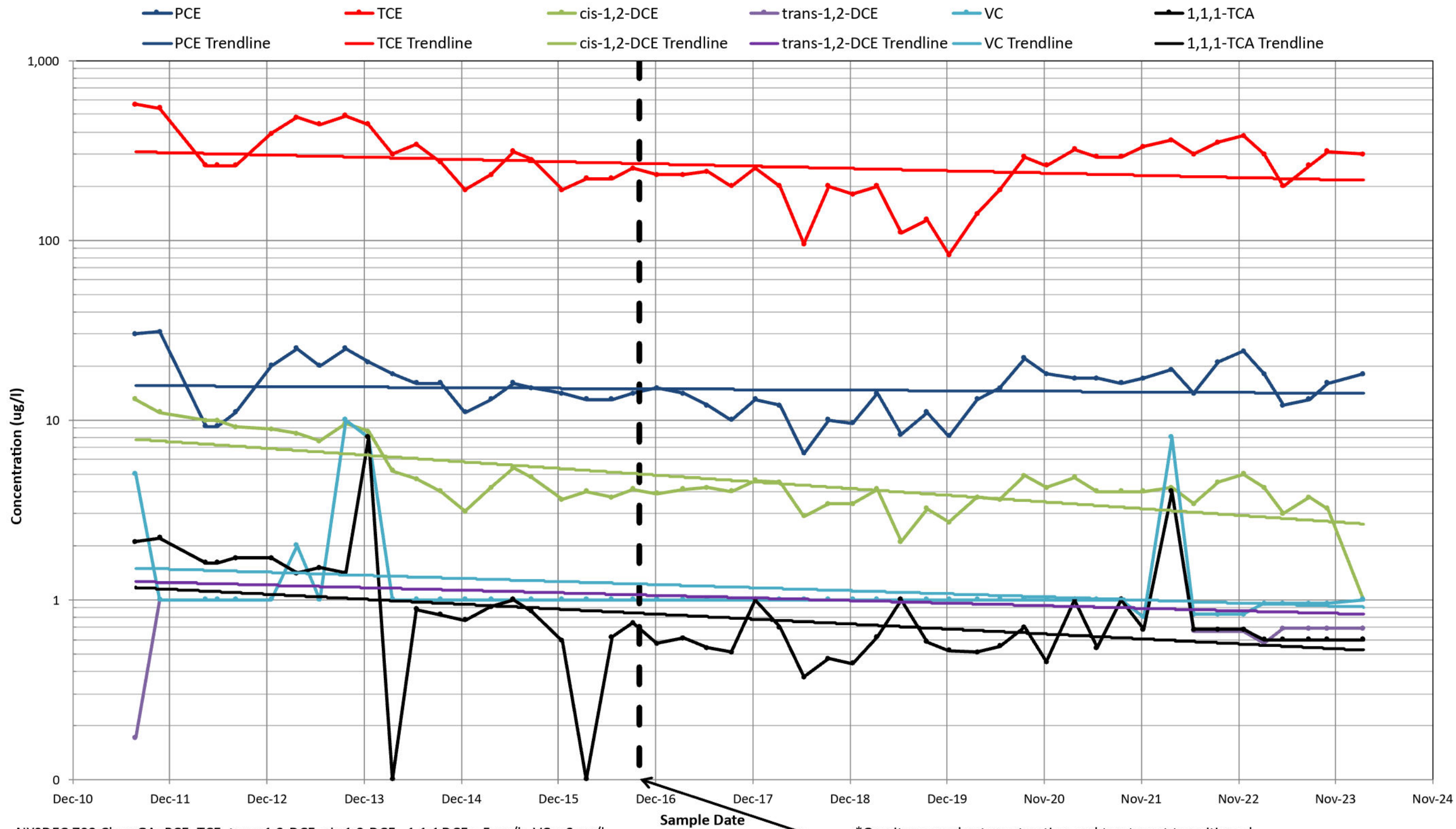
CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

FIGURE 16

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY



PROJECT: 1940101703 | DATED: 3/17/2025 | DESIGNER: ZSALTSMAN
 K:\NYS-DEC-1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_102025.aprx\Fig17-Chlorinated_VOC_EW-7C



NYSDEC 703 Class GA: PCE, TCE, trans1,2-DCE, cis-1,2-DCE , 1,1,1-DCE = 5 ug/l; VC = 2 ug/l;
 Detection limits used to display non-detect results. How some reporting limits were generated is unknown.

*On-site groundwater extraction and treatment transitioned from the OU4 treatment facility to the OU5 treatment facility as of October 1, 2016.

CHLORINATED VOC CONCENTRATIONS
EW-7C

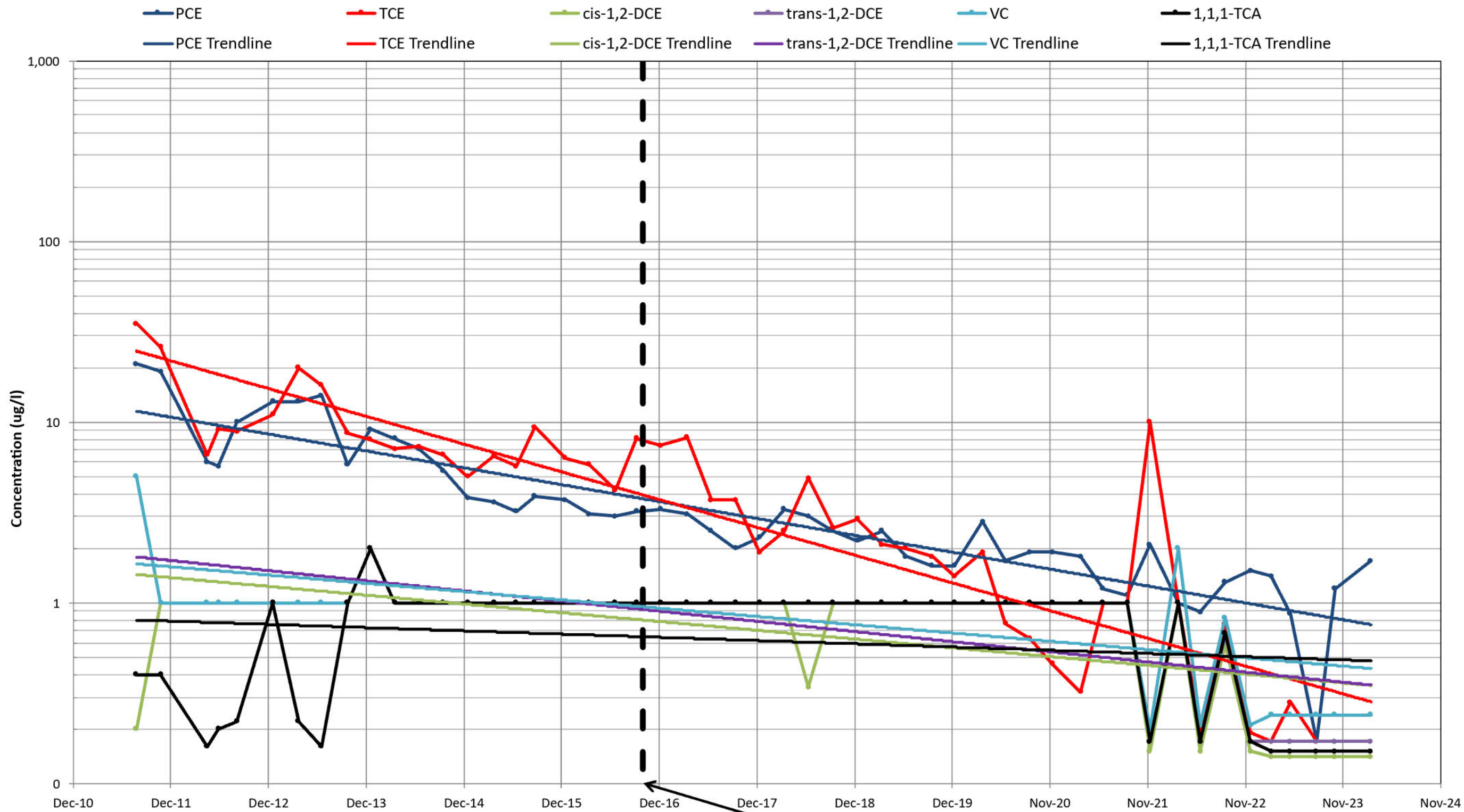
FIGURE 17

CLAREMONT POLYCHEMICAL CORPORATION
 505 WINDING ROAD
 OLD BETHPAGE, NEW YORK

RAMBOLL AMERICAS
 ENGINEERING SOLUTIONS, INC.
 A RAMBOLL COMPANY



PROJECT: 1940101703 | DATED: 3/17/2025 | DESIGNER: ZSALTSMAN
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NYSDEC 703 Class GA: PCE, TCE, trans1,2-DCE, cis-1,2-DCE , 1,1,1-DCE = 5 ug/l; VC = 2 ug/l;
Detection limits used to display non-detect results.How some reporting limits were generated is unknown.

*On-site groundwater extraction and treatment transitioned from the OU4 treatment facility to the OU5 treatment facility as of October 1, 2016.

CHLORINATED VOC CONCENTRATIONS
EW-7D

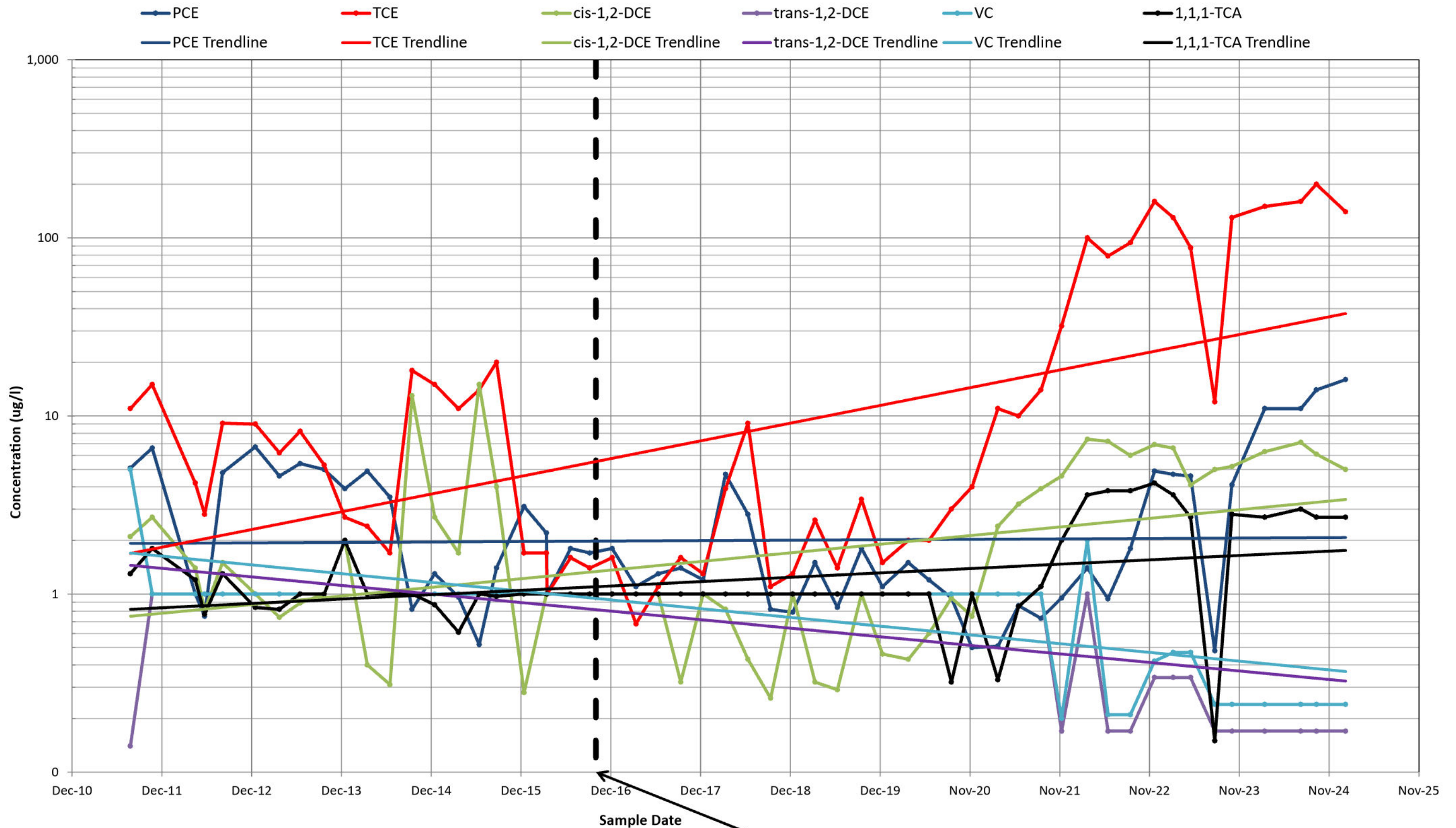
CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

FIGURE 18

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY



PROJECT: 1940101703 | DATED: 3/17/2025 | DESIGNER: ZSALTSMAN
K:\NYS-DEC-1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_102025.aprx\Fig19-Chlorinated_VOC_MW-10D



NYSDEC 703 Class GA: PCE, TCE, trans-1,2-DCE, cis-1,2-DCE, 1,1,1-DCE = 5 ug/l; VC = 2 ug/l;
Detection limits used to display non-detect results. How some reporting limits were generated is unknown.

*On-site groundwater extraction and treatment transitioned from the OU4 treatment facility to the OU5 treatment facility as of October 1, 2016.

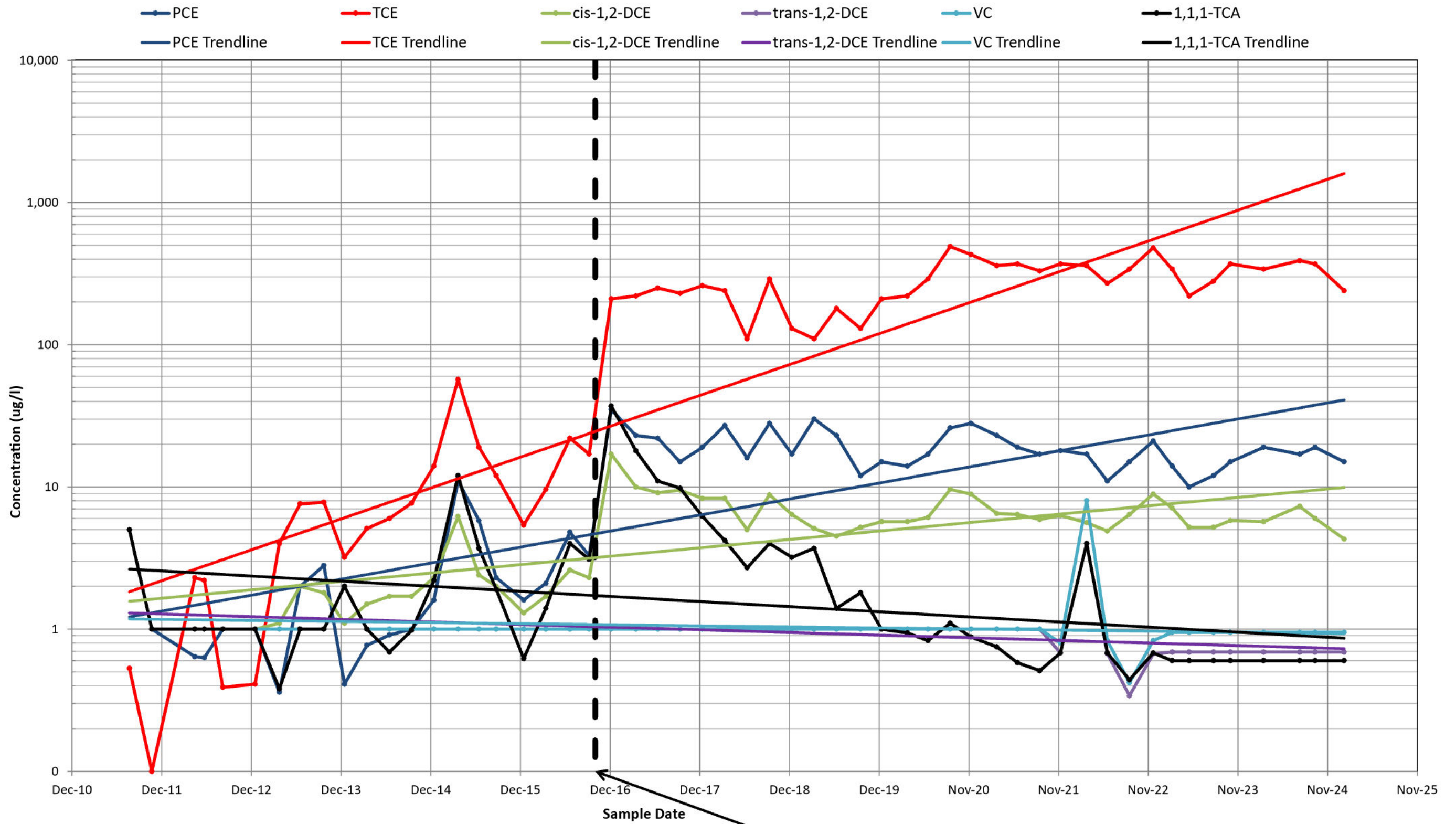
CHLORINATED VOC CONCENTRATIONS MW-10D

CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

FIGURE 19

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY





NYSDEC 703 Class GA: PCE, TCE, trans-1,2-DCE, cis-1,2-DCE, 1,1,1-DCE = 5 ug/l; VC = 2 ug/l;
 Detection limits used to display non-detect results. How some reporting limits were generated is unknown.

*On-site groundwater extraction and treatment transitioned from the OU4 treatment facility to the OU5 treatment facility as of October 1, 2016.

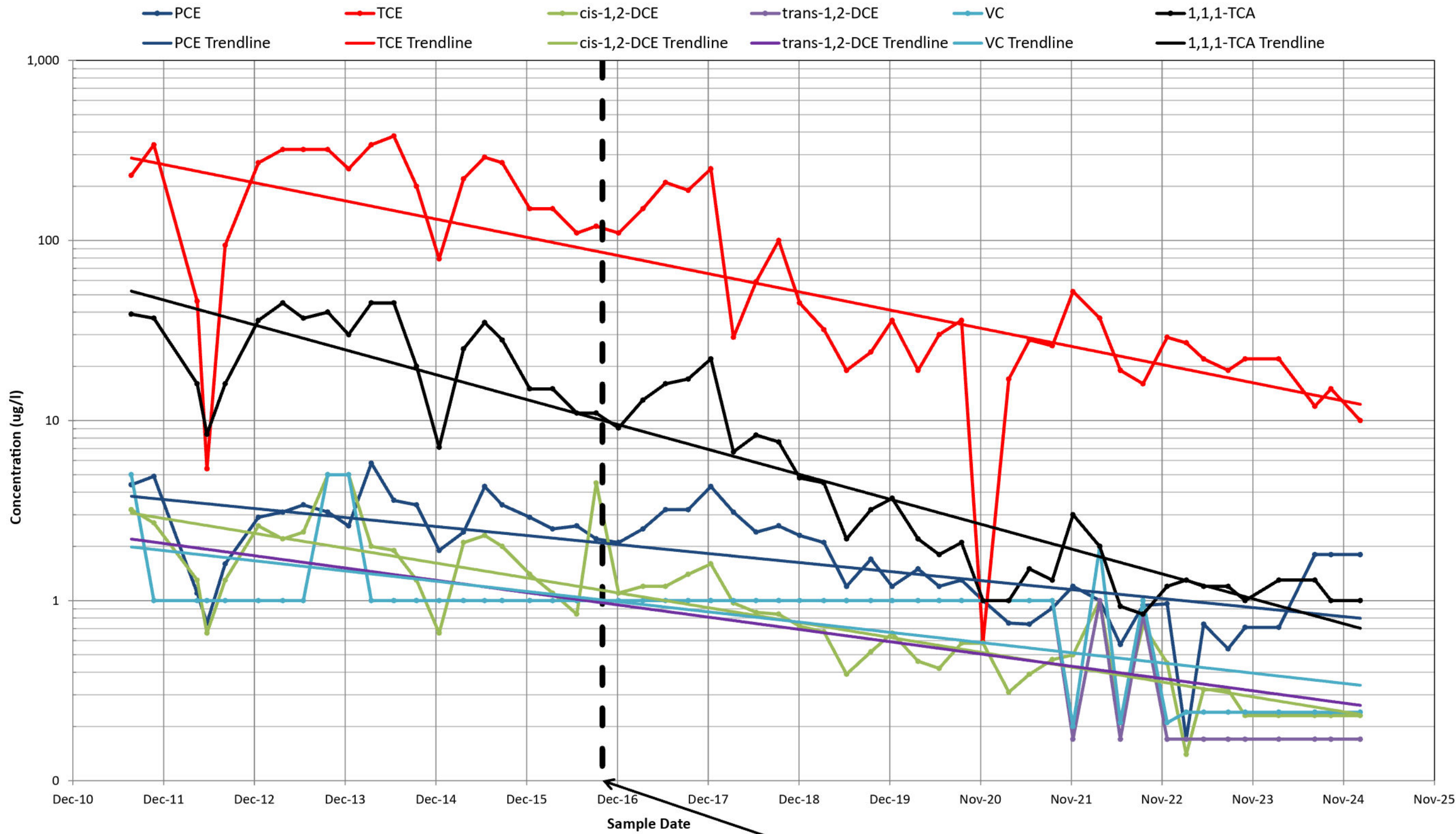
CHLORINATED VOC CONCENTRATIONS
 EW-12D

FIGURE 20

CLAREMONT POLYCHEMICAL CORPORATION
 505 WINDING ROAD
 OLD BETHPAGE, NEW YORK

RAMBOLL AMERICAS
 ENGINEERING SOLUTIONS, INC.
 A RAMBOLL COMPANY





NYSDEC 703 Class GA: PCE, TCE, trans-1,2-DCE, cis-1,2-DCE, 1,1,1-DCE = 5 ug/l; VC = 2 ug/l;
 Detection limits used to display non-detect results. How some reporting limits were generated is unknown.

*On-site groundwater extraction and treatment transitioned from the OU4 treatment facility to the OU5 treatment facility as of October 1, 2016.

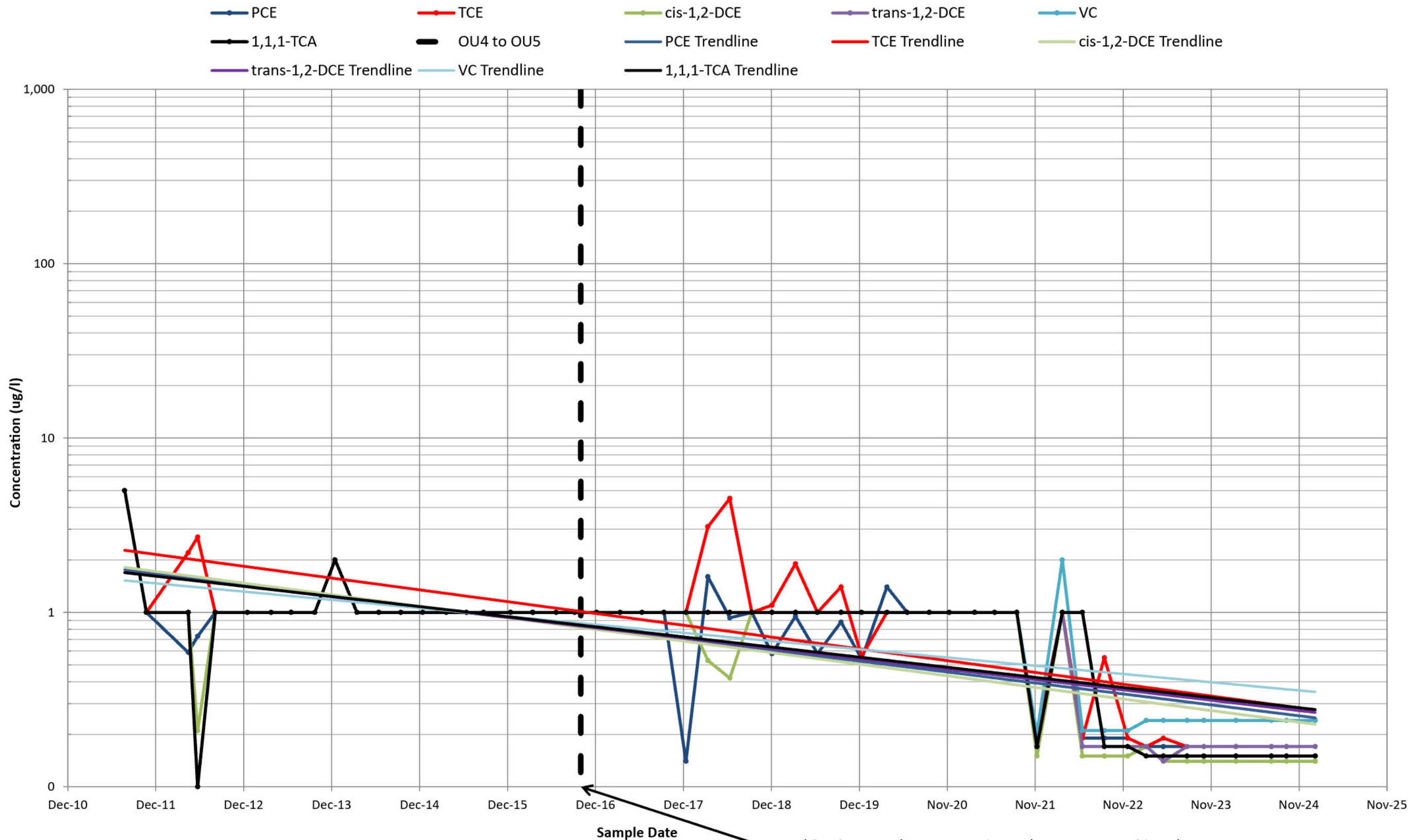
CHLORINATED VOC CONCENTRATIONS
EW-14D

FIGURE 21

RAMBOLL AMERICAS
 ENGINEERING SOLUTIONS, INC.
 A RAMBOLL COMPANY

CLAREMONT POLYCHEMICAL CORPORATION
 505 WINDING ROAD
 OLD BETHPAGE, NEW YORK





NYSDEC 703 Class GA: PCE, TCE, trans-1,2-DCE, cis-1,2-DCE, 1,1,1-DCE = 5 ug/l; VC = 2 ug/l;
 Detection limits used to display non-detect results. How some reporting limits were generated is unknown.

*On-site groundwater extraction and treatment transitioned from the OU4 treatment facility to the OU5 treatment facility as of October 1, 2016.

CHLORINATED VOC CONCENTRATIONS
BP-3A

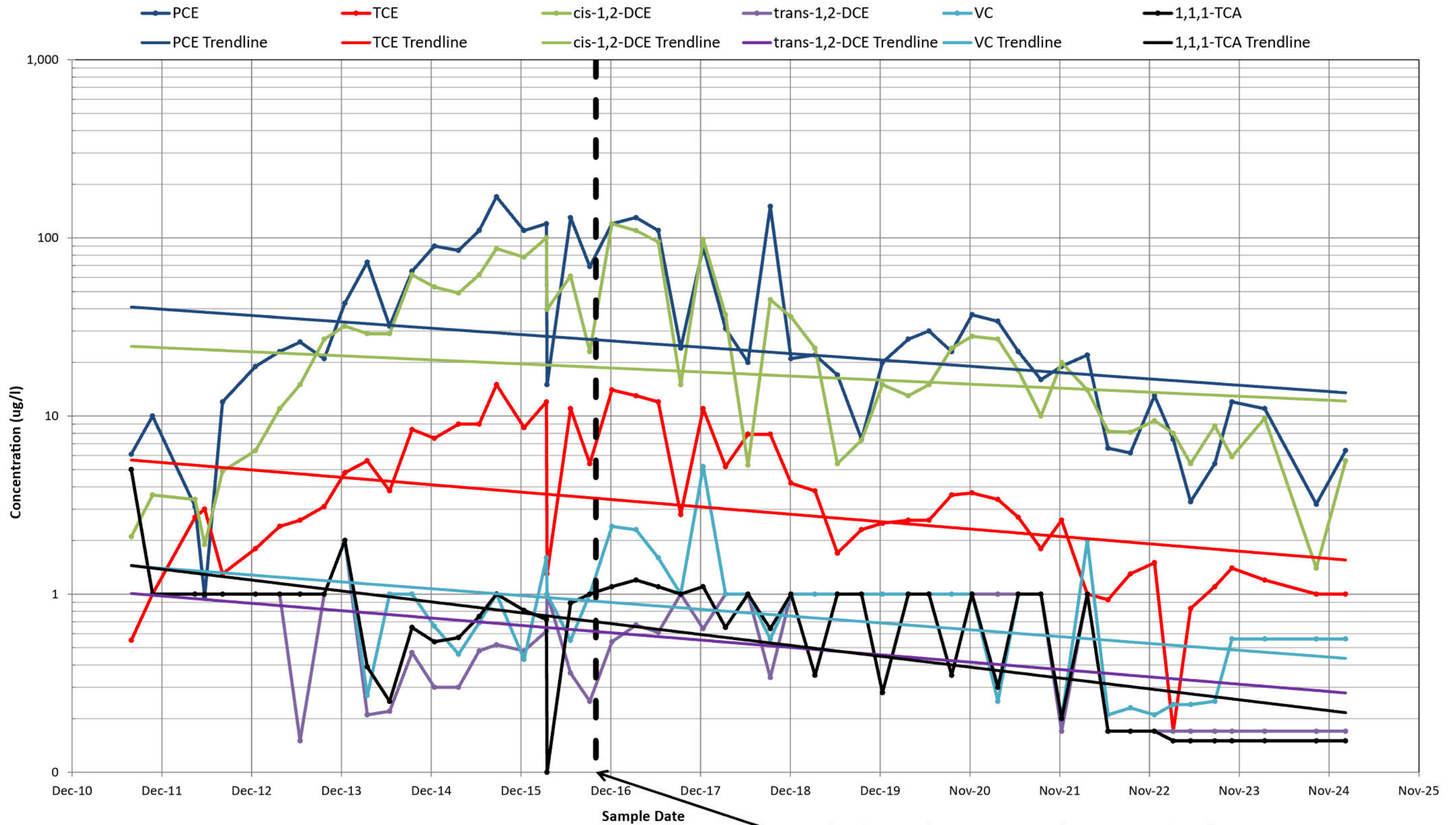
CLAREMONT POLYCHEMICAL CORPORATION
 505 WINDING ROAD
 OLD BETHPAGE, NEW YORK

FIGURE 22

RAMBOLL AMERICAS
 ENGINEERING SOLUTIONS, INC.
 A RAMBOLL COMPANY



PROJECT: 1940101703 | DATED: 3/17/2025 | DESIGNER: ZSALTSMAN
K:\NYS-DEC-1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_102025.aprx\Fig23-Chlorinated_VOC_BP-3B



NYSDEC 703 Class GA: PCE, TCE, trans-1,2-DCE, cis-1,2-DCE, 1,1,1-DCE = 5 ug/l; VC = 2 ug/l;
Detection limits used to display non-detect results. How some reporting limits were generated is unknown.

*On-site groundwater extraction and treatment transitioned from the OU4 treatment facility to the OU5 treatment facility as of October 1, 2016.

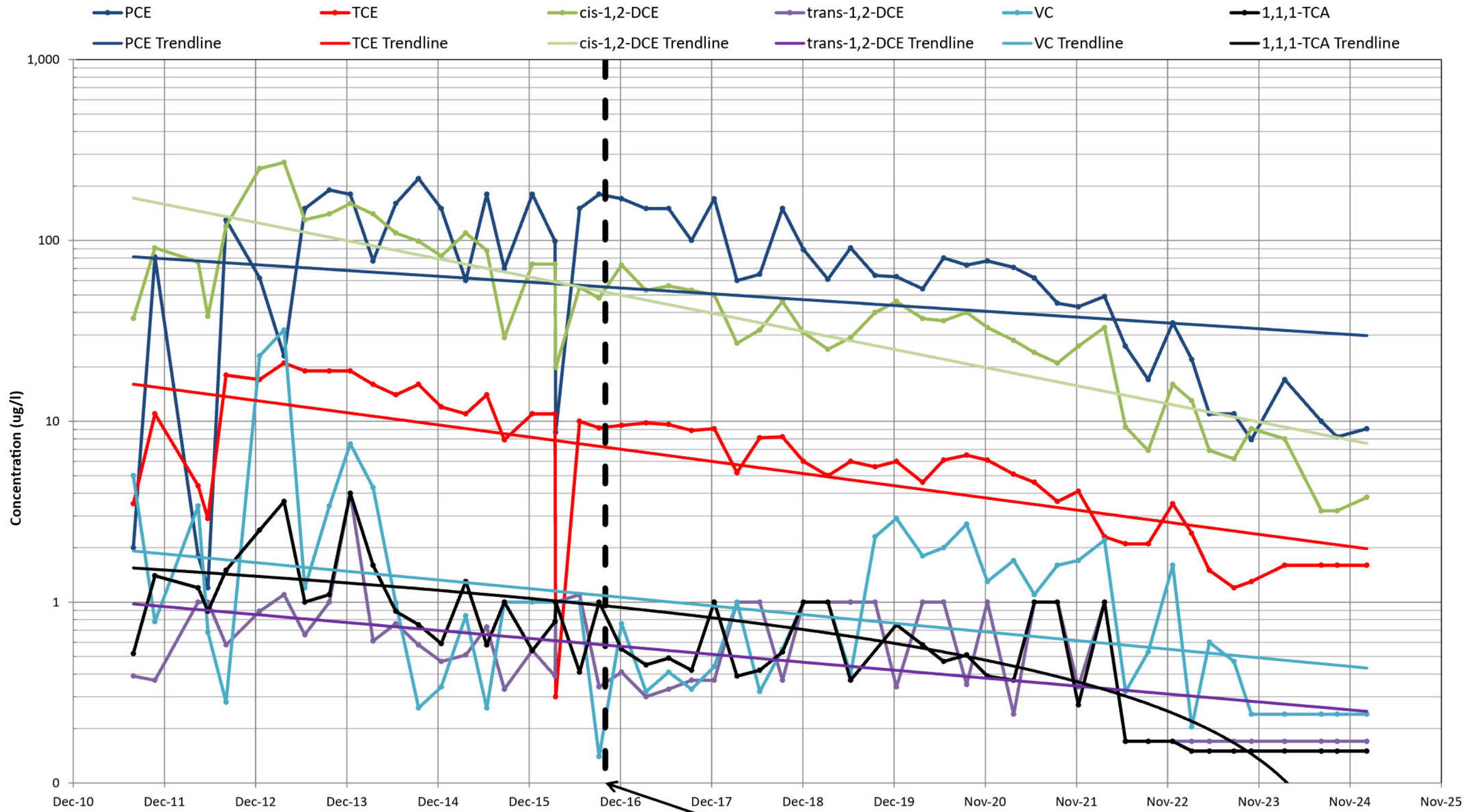
CHLORINATED VOC CONCENTRATIONS BP-3B

FIGURE 23

CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY





NYSDEC 703 Class GA: PCE, TCE, trans-1,2-DCE, cis-1,2-DCE, 1,1,1-DCE = 5 ug/l; VC = 2 ug/l;
 Detection limits used to display non-detect results. How some reporting limits were generated is unknown.

*On-site groundwater extraction and treatment transitioned from the OU4 treatment facility to the OU5 treatment facility as of October 1, 2016.

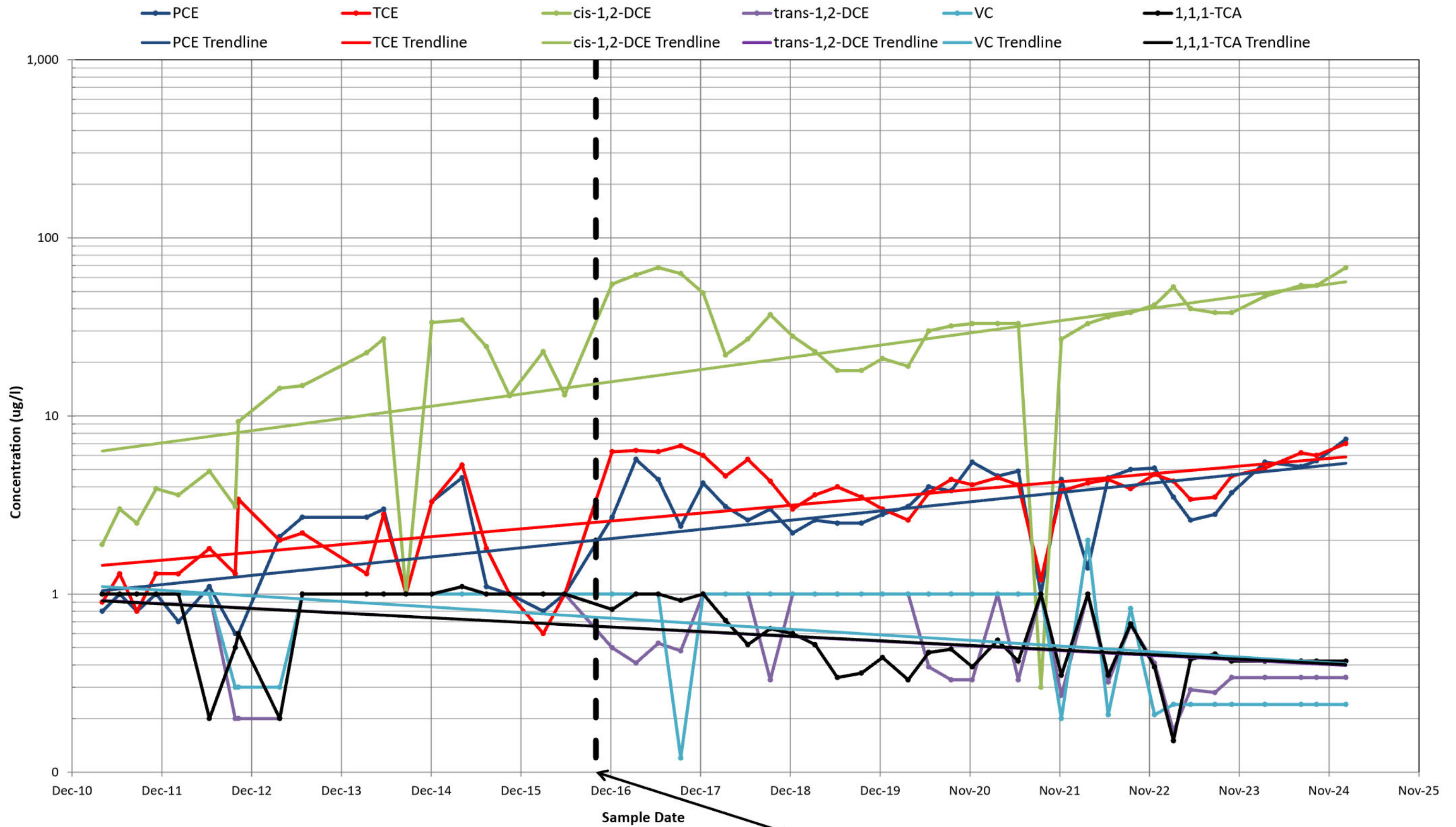
CHLORINATED VOC CONCENTRATIONS
BP-3C

CLAREMONT POLYCHEMICAL CORPORATION
 505 WINDING ROAD
 OLD BETHPAGE, NEW YORK

FIGURE 24

RAMBOLL AMERICAS
 ENGINEERING SOLUTIONS, INC.
 A RAMBOLL COMPANY





NYSDEC 703 Class GA: PCE, TCE, trans-1,2-DCE, cis-1,2-DCE, 1,1,1-DCE = 5 ug/l; VC = 2 ug/l;
 Detection limits used to display non-detect results. How some reporting limits were generated is unknown.

*On-site groundwater extraction and treatment transitioned from the OU4 treatment facility to the OU5 treatment facility as of October 1, 2016.

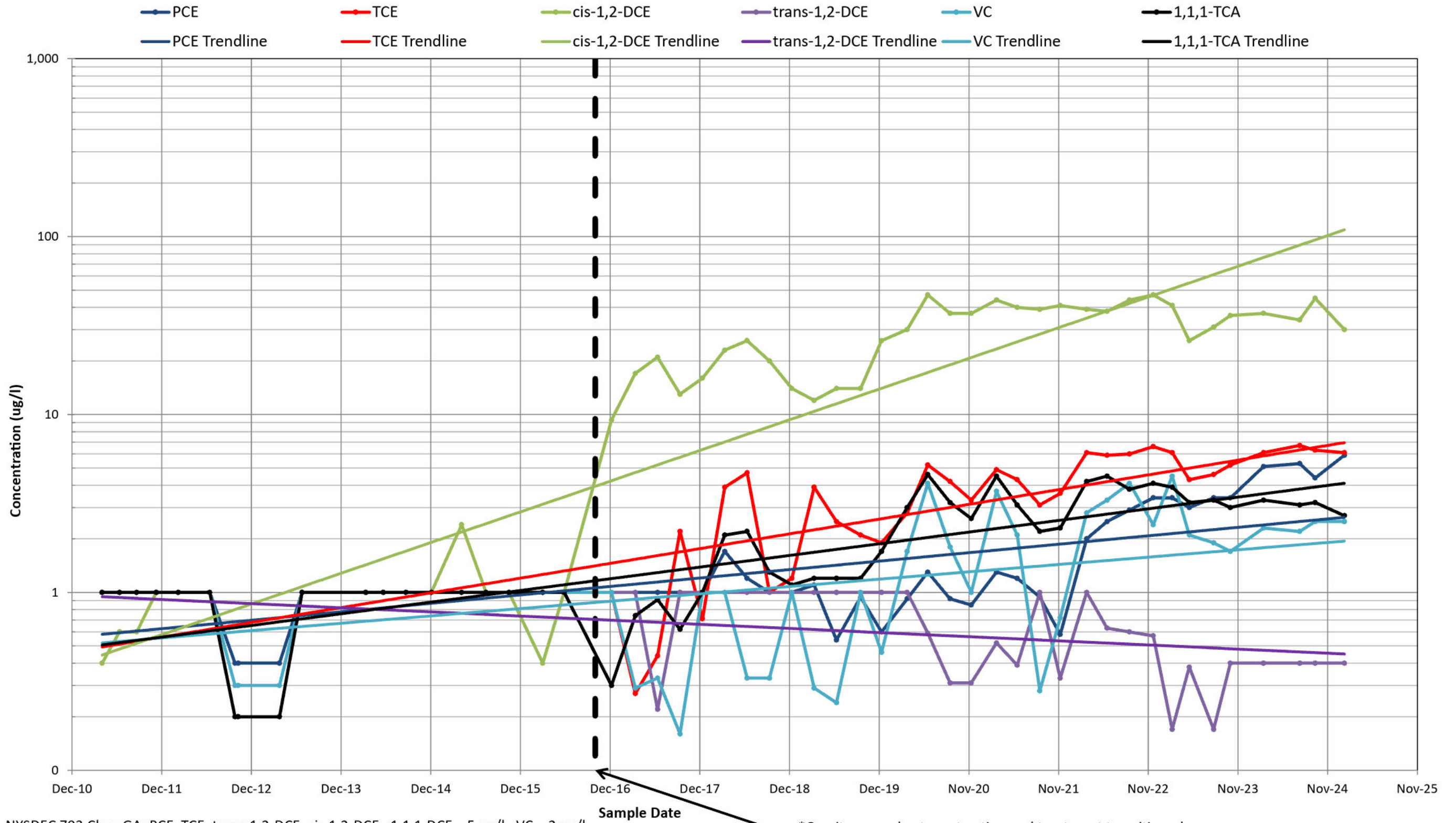
CHLORINATED VOC CONCENTRATIONS
MW-11A

FIGURE 25

RAMBOLL AMERICAS
 ENGINEERING SOLUTIONS, INC.
 A RAMBOLL COMPANY

CLAREMONT POLYCHEMICAL CORPORATION
 505 WINDING ROAD
 OLD BETHPAGE, NEW YORK





NYSDEC 703 Class GA: PCE, TCE, trans-1,2-DCE, cis-1,2-DCE, 1,1,1-DCE = 5 ug/l; VC = 2 ug/l;
 Detection limits used to display non-detect results. How some reporting limits were generated is unknown.

*On-site groundwater extraction and treatment transitioned from the OU4 treatment facility to the OU5 treatment facility as of October 1, 2016.

CHLORINATED VOC CONCENTRATIONS
MW-11B

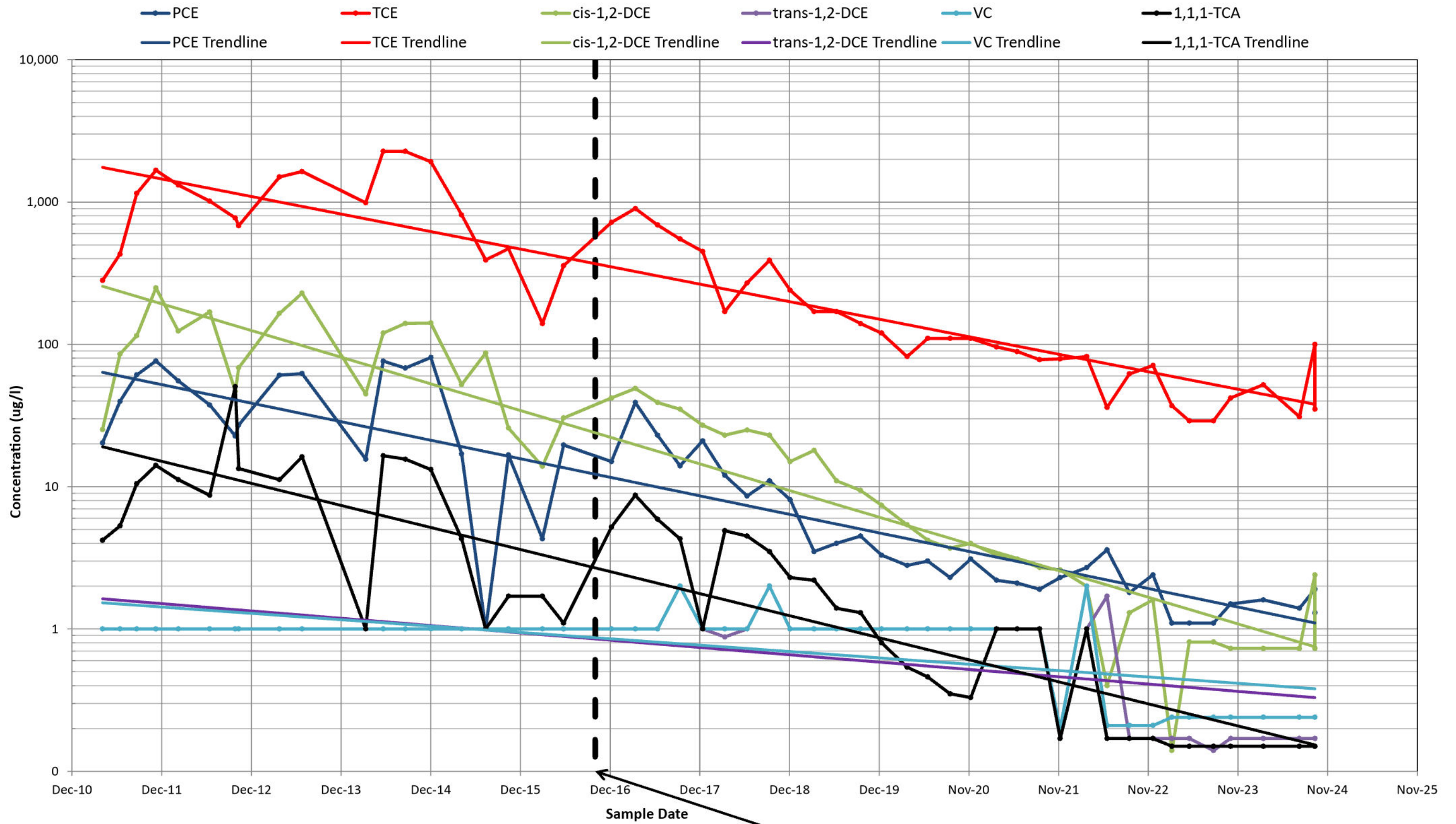
CLAREMONT POLYCHEMICAL CORPORATION
 505 WINDING ROAD
 OLD BETHPAGE, NEW YORK

FIGURE 26

RAMBOLL AMERICAS
 ENGINEERING SOLUTIONS, INC.
 A RAMBOLL COMPANY



PROJECT: 1940101703 | DATED: 3/17/2025 | DESIGNER: ZSALTSMAN
K:\NYS-DEC-1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_1Q2025\Claremont_Polychemical_1Q2025 aprx\Fig27-Chlorinated_VOC_MW-7B-R



NYSDEC 703 Class GA: PCE, TCE, trans-1,2-DCE, cis-1,2-DCE, 1,1,1-DCE = 5 ug/l; VC = 2 ug/l;
 Detection limits used to display non-detect results. How some reporting limits were generated is unknown.

*On-site groundwater extraction and treatment transitioned from the OU4 treatment facility to the OU5 treatment facility as of October 1, 2016.

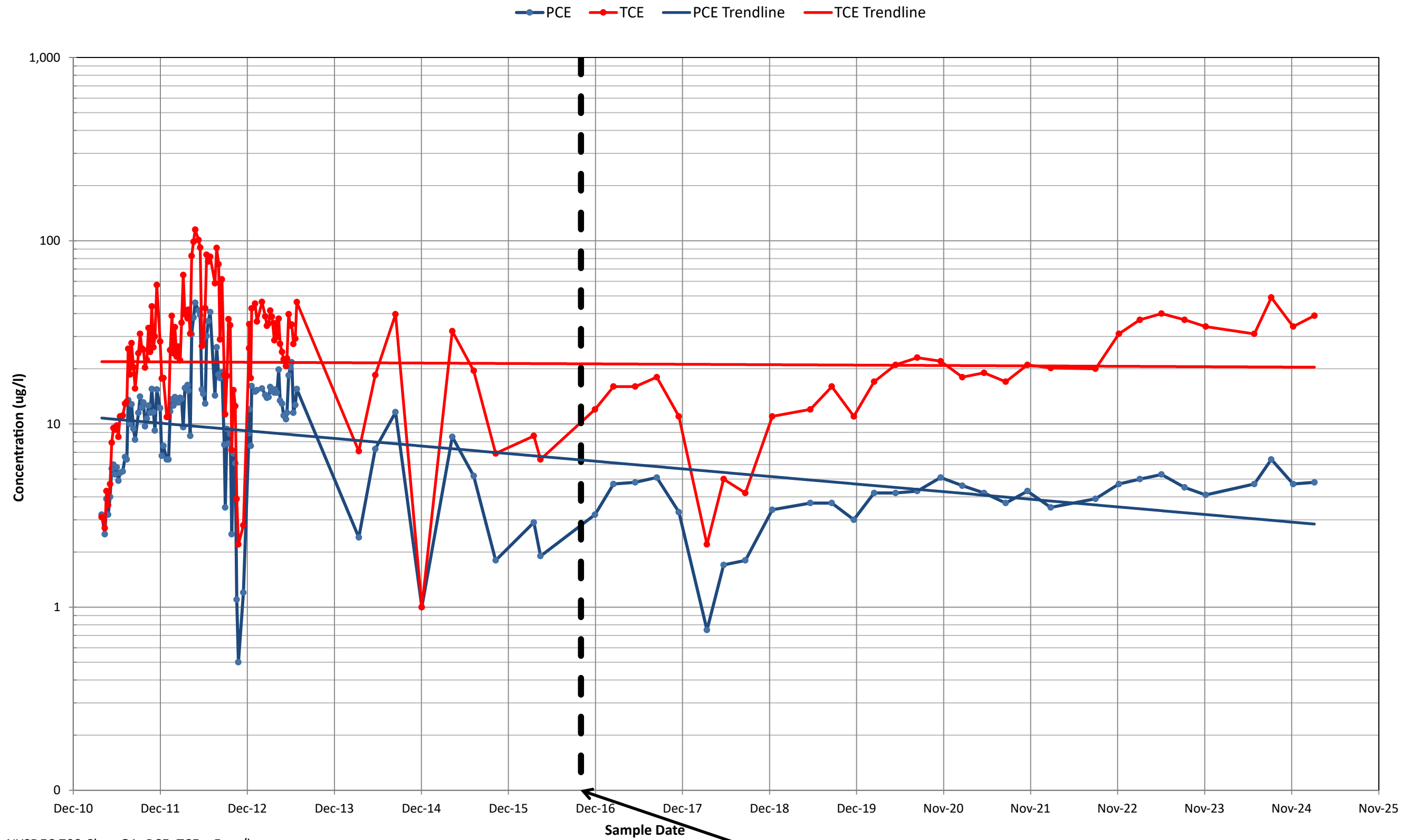
CHLORINATED VOC CONCENTRATIONS
MW-7B-R

FIGURE 27

CLAREMONT POLYCHEMICAL CORPORATION
 505 WINDING ROAD
 OLD BETHPAGE, NEW YORK

RAMBOLL AMERICAS
 ENGINEERING SOLUTIONS, INC.
 A RAMBOLL COMPANY





NYSDEC 703 Class GA: PCE, TCE = 5 ug/l
 Detection limits used to display non-detect results. How some reporting limits were generated is unknown.
 Samples are collected quarterly in the month prior to each quarterly groundwater sampling round.

*On-site groundwater extraction and treatment transitioned from the OU4 treatment facility to the OU5 treatment facility as of October 1, 2016.

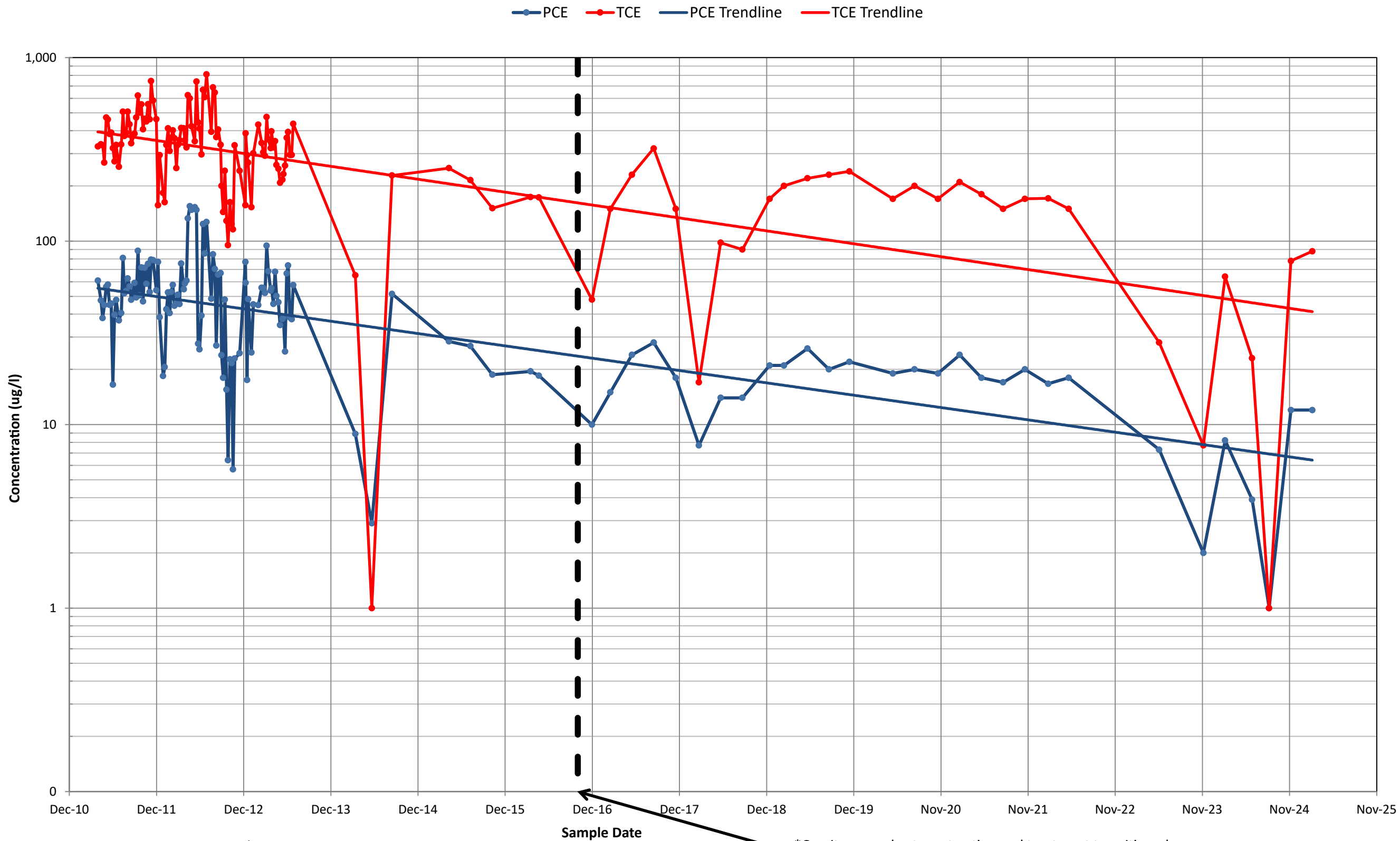
CHLORINATED VOC CONCENTRATIONS
 RW-3

FIGURE 28

RAMBOLL AMERICAS
 ENGINEERING SOLUTIONS, INC.
 A RAMBOLL COMPANY

CLAREMONT POLYCHEMICAL CORPORATION
 505 WINDING ROAD
 OLD BETHPAGE, NEW YORK





NYSDEC 703 Class GA: PCE, TCE = 5 ug/l
Detection limits used to display non-detect results. How some reporting limits were generated is unknown.
Samples are collected quarterly in the month prior to each quarterly groundwater sampling round.

*On-site groundwater extraction and treatment transitioned from the OU4 treatment facility to the OU5 treatment facility as of October 1, 2016.

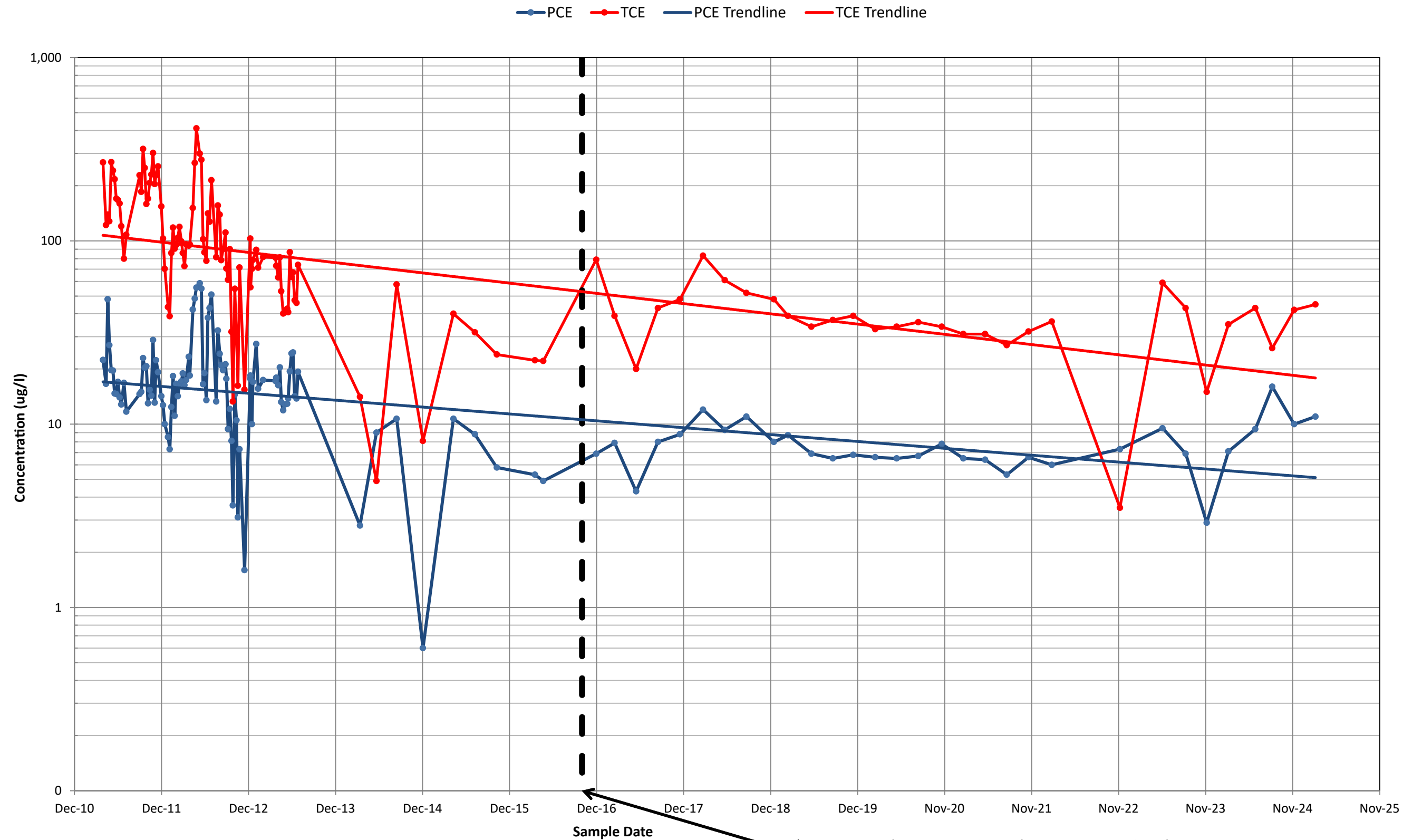
CHLORINATED VOC CONCENTRATIONS RW-4

CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

FIGURE 29

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY





NYSDEC 703 Class GA: PCE, TCE = 5 ug/l
Detection limits used to display non-detect results. How some reporting limits were generated is unknown.
Samples are collected quarterly in the month prior to each quarterly groundwater sampling round.

*On-site groundwater extraction and treatment transitioned from the OU4 treatment facility to the OU5 treatment facility as of October 1, 2016.

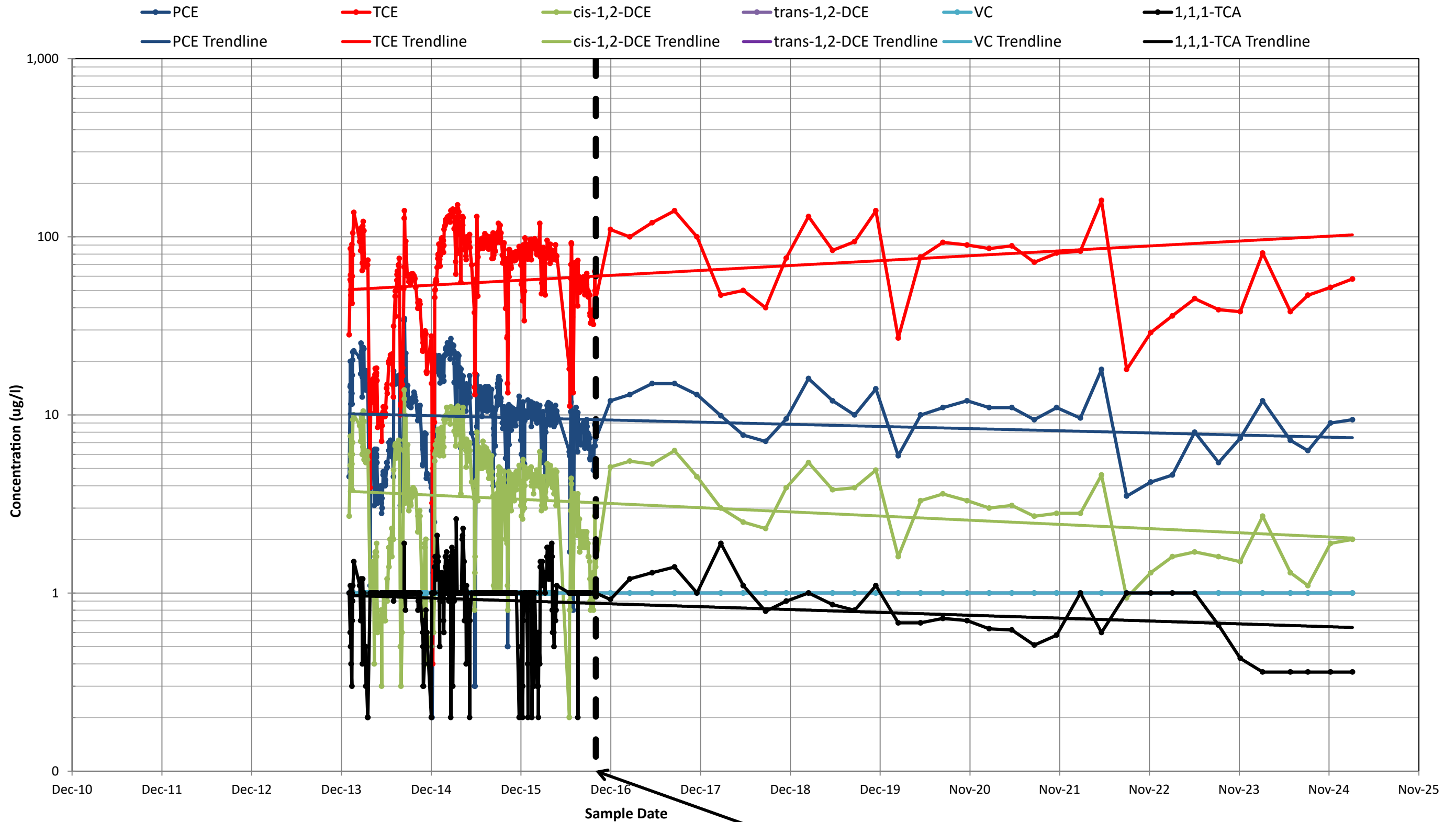
CHLORINATED VOC CONCENTRATIONS RW-5

CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

FIGURE 30

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY





NYSDEC 703 Class GA: PCE, TCE, trans-1,2-DCE, cis-1,2-DCE, 1,1,1-DCE = 5 ug/l; VC = 2 ug/l;
 Detection limits used to display non-detect results. How some reporting limits were generated is unknown.
 Samples are collected quarterly in the month prior to each quarterly groundwater sampling round.

*On-site groundwater extraction and treatment transitioned from the OU4 treatment facility to the OU5 treatment facility as of October 1, 2016.

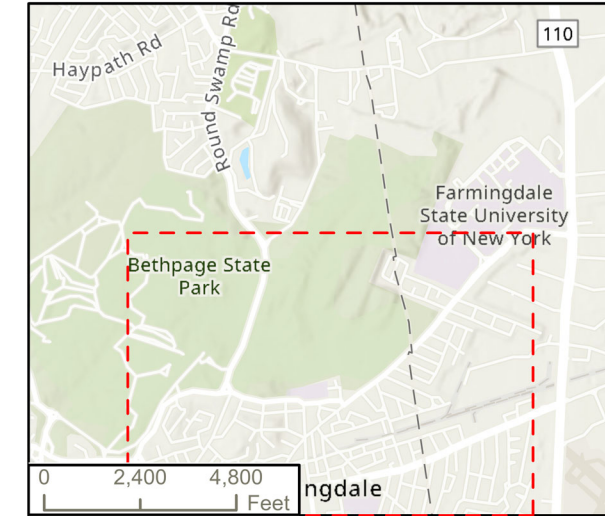
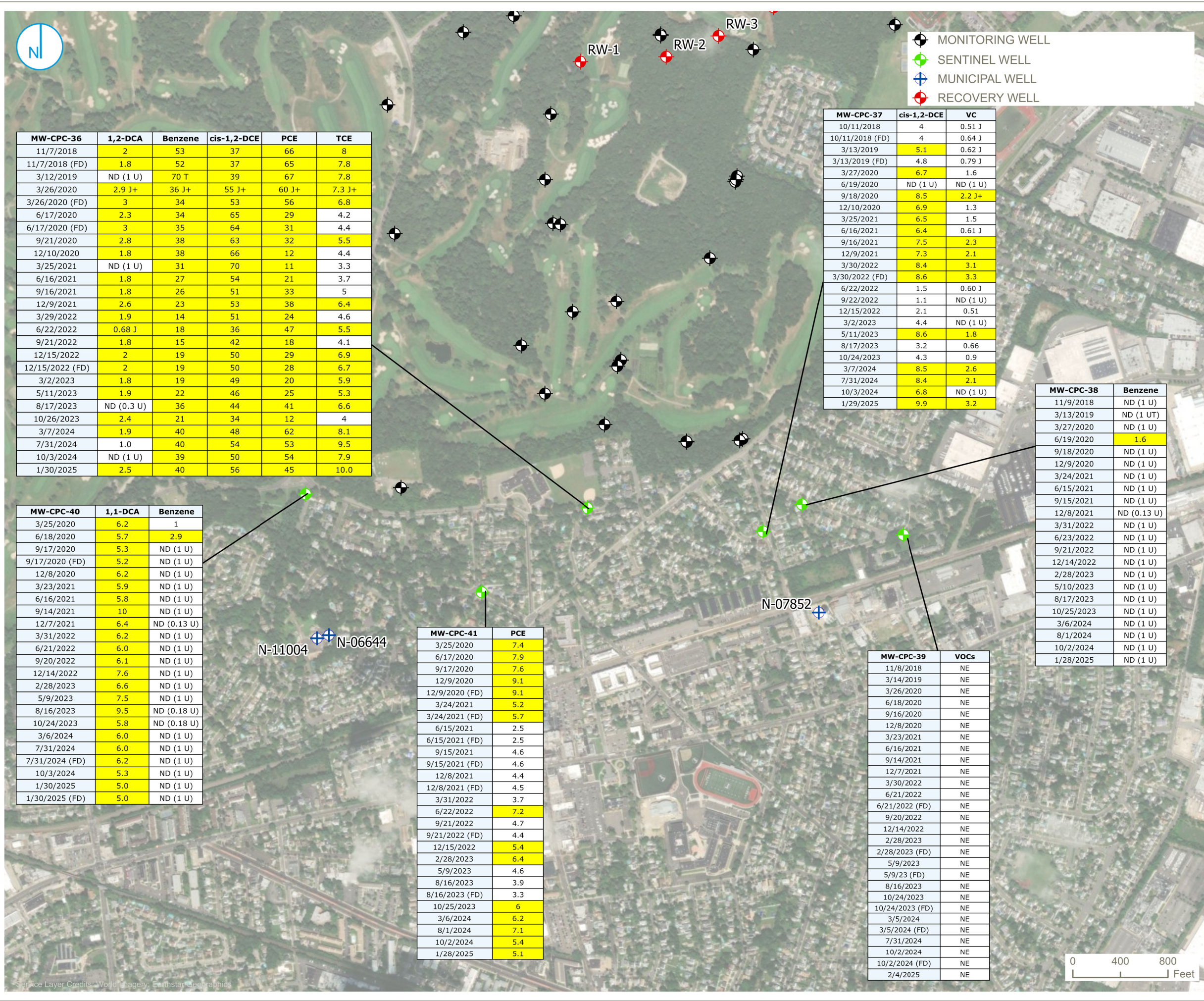
**CHLORINATED VOC CONCENTRATIONS
 WELL OU5 INFLUENT**

FIGURE 31

RAMBOLL AMERICAS
 ENGINEERING SOLUTIONS, INC.
 A RAMBOLL COMPANY

CLAREMONT POLYCHEMICAL CORPORATION
 505 WINDING ROAD
 OLD BETHPAGE, NEW YORK





- Monitoring Well Results Notes:**
- Groundwater Quality Standards and Guidance Values: NYSDEC TOGS 1.1.1 (includes 6 NYCRR Part 703) Class GA, June 1998 and subsequent addenda.
 - Only compounds with exceedances are shown. If the compound is not shown it was not detected above the criteria.
 - Criteria for compounds shown on this figure are presented in the table below.
 - Exceedance of relevant criteria indicated by yellow highlighting in the data box on the map.
 - NE indicates no exceedances. ND indicates non-detect at the detection limit shown.
 - Quarter 3 2021 data has not been validated.
 - All results presented in ug/L.
 - J - Result is estimated. +/- indicates direction of bias. T - A lab quality control sample was out of range. U - Result is non-detect.

Standards / Criteria:

	ug/L
1,1-Dichloroethane (1,1-DCA)	5
1,2-Dichloroethane (1,2-DCA)	0.6
Benzene	1
cis-1,2-Dichloroethylene (cis-1,2-DCE)	5
Tetrachloroethylene (PCE)	5
Trichloroethylene (TCE)	5
Vinyl Chloride (VC)	2

VOC EXCEEDANCES IN SENTINEL WELLS

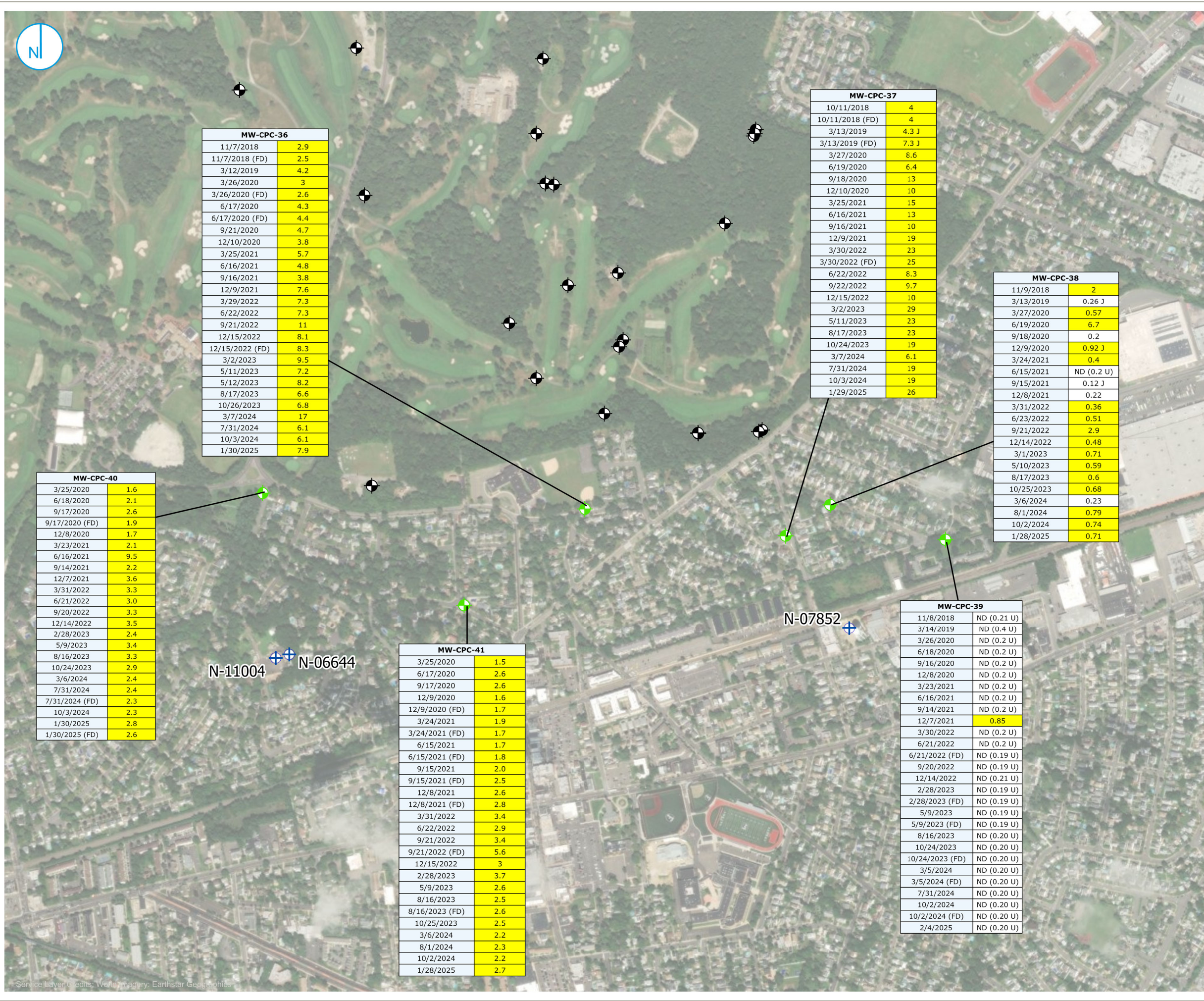
CLAREMONT POLYCHEMICAL CORPORATION
 505 WINDING ROAD
 OLD BETHPAGE, NEW YORK

FIGURE 32

RAMBOLL AMERICAS
 ENGINEERING SOLUTIONS, INC.
 A RAMBOLL COMPANY



Service Layer Credits: World Imagery, Earthstar Graphics



MW-CPC-36	
11/7/2018	2.9
11/7/2018 (FD)	2.5
3/12/2019	4.2
3/26/2020	3
3/26/2020 (FD)	2.6
6/17/2020	4.3
6/17/2020 (FD)	4.4
9/21/2020	4.7
12/10/2020	3.8
3/25/2021	5.7
6/16/2021	4.8
9/16/2021	3.8
12/9/2021	7.6
3/29/2022	7.3
6/22/2022	7.3
9/21/2022	11
12/15/2022	8.1
12/15/2022 (FD)	8.3
3/2/2023	9.5
5/11/2023	7.2
5/12/2023	8.2
8/17/2023	6.6
10/26/2023	6.8
3/7/2024	17
7/31/2024	6.1
10/3/2024	6.1
1/30/2025	7.9

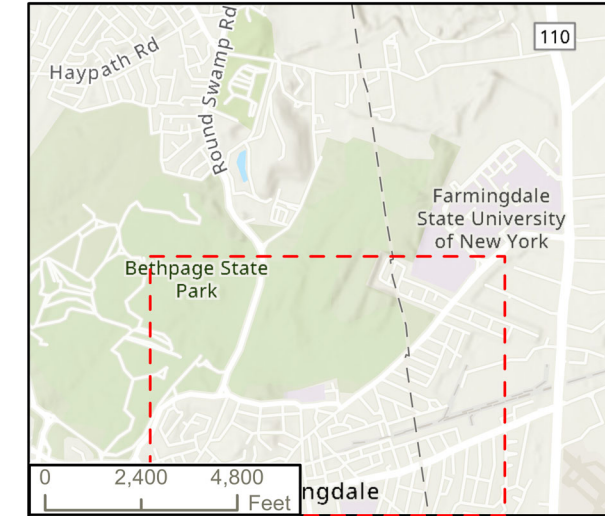
MW-CPC-37	
10/11/2018	4
10/11/2018 (FD)	4
3/13/2019	4.3 J
3/13/2019 (FD)	7.3 J
3/27/2020	8.6
6/19/2020	6.4
9/18/2020	13
12/10/2020	10
3/25/2021	15
6/16/2021	13
9/16/2021	10
12/9/2021	19
3/30/2022	23
3/30/2022 (FD)	25
6/22/2022	8.3
9/22/2022	9.7
12/15/2022	10
3/2/2023	29
5/11/2023	23
8/17/2023	23
10/24/2023	19
3/7/2024	6.1
7/31/2024	19
10/3/2024	19
1/29/2025	26

MW-CPC-38	
11/9/2018	2
3/13/2019	0.26 J
3/27/2020	0.57
6/19/2020	6.7
9/18/2020	0.2
12/9/2020	0.92 J
3/24/2021	0.4
6/15/2021	ND (0.2 U)
9/15/2021	0.12 J
12/8/2021	0.22
3/31/2022	0.36
6/23/2022	0.51
9/21/2022	2.9
12/14/2022	0.48
3/1/2023	0.71
5/10/2023	0.59
8/17/2023	0.6
10/25/2023	0.68
3/6/2024	0.23
8/1/2024	0.79
10/2/2024	0.74
1/28/2025	0.71

MW-CPC-40	
3/25/2020	1.6
6/18/2020	2.1
9/17/2020	2.6
9/17/2020 (FD)	1.9
12/8/2020	1.7
3/23/2021	2.1
6/16/2021	9.5
9/14/2021	2.2
12/7/2021	3.6
3/31/2022	3.3
6/21/2022	3.0
9/20/2022	3.3
12/14/2022	3.5
2/28/2023	2.4
5/9/2023	3.4
8/16/2023	3.3
10/24/2023	2.9
3/6/2024	2.4
7/31/2024	2.4
7/31/2024 (FD)	2.3
10/3/2024	2.3
1/30/2025	2.8
1/30/2025 (FD)	2.6

MW-CPC-41	
3/25/2020	1.5
6/17/2020	2.6
9/17/2020	2.6
12/9/2020	1.6
12/9/2020 (FD)	1.7
3/24/2021	1.9
3/24/2021 (FD)	1.7
6/15/2021	1.7
6/15/2021 (FD)	1.8
9/15/2021	2.0
9/15/2021 (FD)	2.5
12/8/2021	2.6
12/8/2021 (FD)	2.8
3/31/2022	3.4
6/22/2022	2.9
9/21/2022	3.4
9/21/2022 (FD)	5.6
12/15/2022	3
2/28/2023	3.7
5/9/2023	2.6
8/16/2023	2.5
8/16/2023 (FD)	2.6
10/25/2023	2.5
3/6/2024	2.2
8/1/2024	2.3
10/2/2024	2.2
1/28/2025	2.7

MW-CPC-39	
11/8/2018	ND (0.21 U)
3/14/2019	ND (0.4 U)
3/26/2020	ND (0.2 U)
6/18/2020	ND (0.2 U)
9/16/2020	ND (0.2 U)
12/8/2020	ND (0.2 U)
3/23/2021	ND (0.2 U)
6/16/2021	ND (0.2 U)
9/14/2021	ND (0.2 U)
12/7/2021	0.85
3/30/2022	ND (0.2 U)
6/21/2022	ND (0.2 U)
6/21/2022 (FD)	ND (0.19 U)
9/20/2022	ND (0.19 U)
12/14/2022	ND (0.21 U)
2/28/2023	ND (0.19 U)
2/28/2023 (FD)	ND (0.19 U)
5/9/2023	ND (0.19 U)
5/9/2023 (FD)	ND (0.19 U)
8/16/2023	ND (0.20 U)
10/24/2023	ND (0.20 U)
10/24/2023 (FD)	ND (0.20 U)
3/5/2024	ND (0.20 U)
3/5/2024 (FD)	ND (0.20 U)
7/31/2024	ND (0.20 U)
10/2/2024	ND (0.20 U)
10/2/2024 (FD)	ND (0.20 U)
2/4/2025	ND (0.20 U)



- MONITORING WELL
- SENTINEL WELL
- RECOVERY WELL
- MUNICIPAL WELL

Monitoring Well Results Notes:

- 1,4-Dioxane was compared to the NYSDEC "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. Division of Water Technical and Operational Guidance Series (1.1.1)." Last updated February 2023. Criteria shown on table below.
- Exceedance of relevant criteria indicated by yellow highlighting in the data box on the map.
- ND indicates non-detect at the detection limit shown.
- Quarter 3 2021 data has not been validated.
- All results presented in ug/L.
- J - Result is estimated. +/- indicates direction of bias.
- U - Result is non-detect.

Standards / Criteria:	ug/L
1,4-Dioxane	0.35

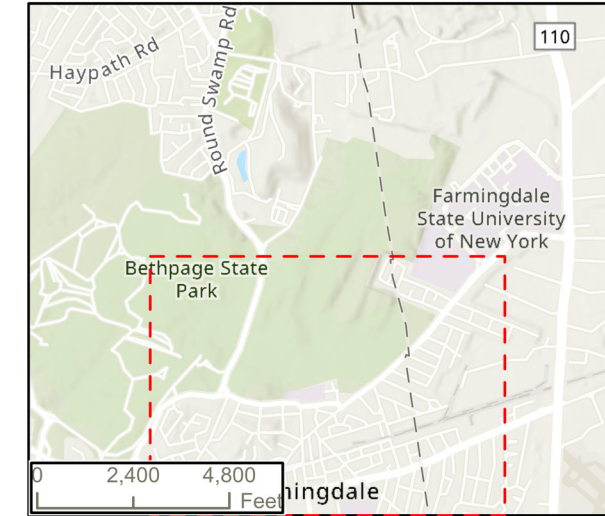
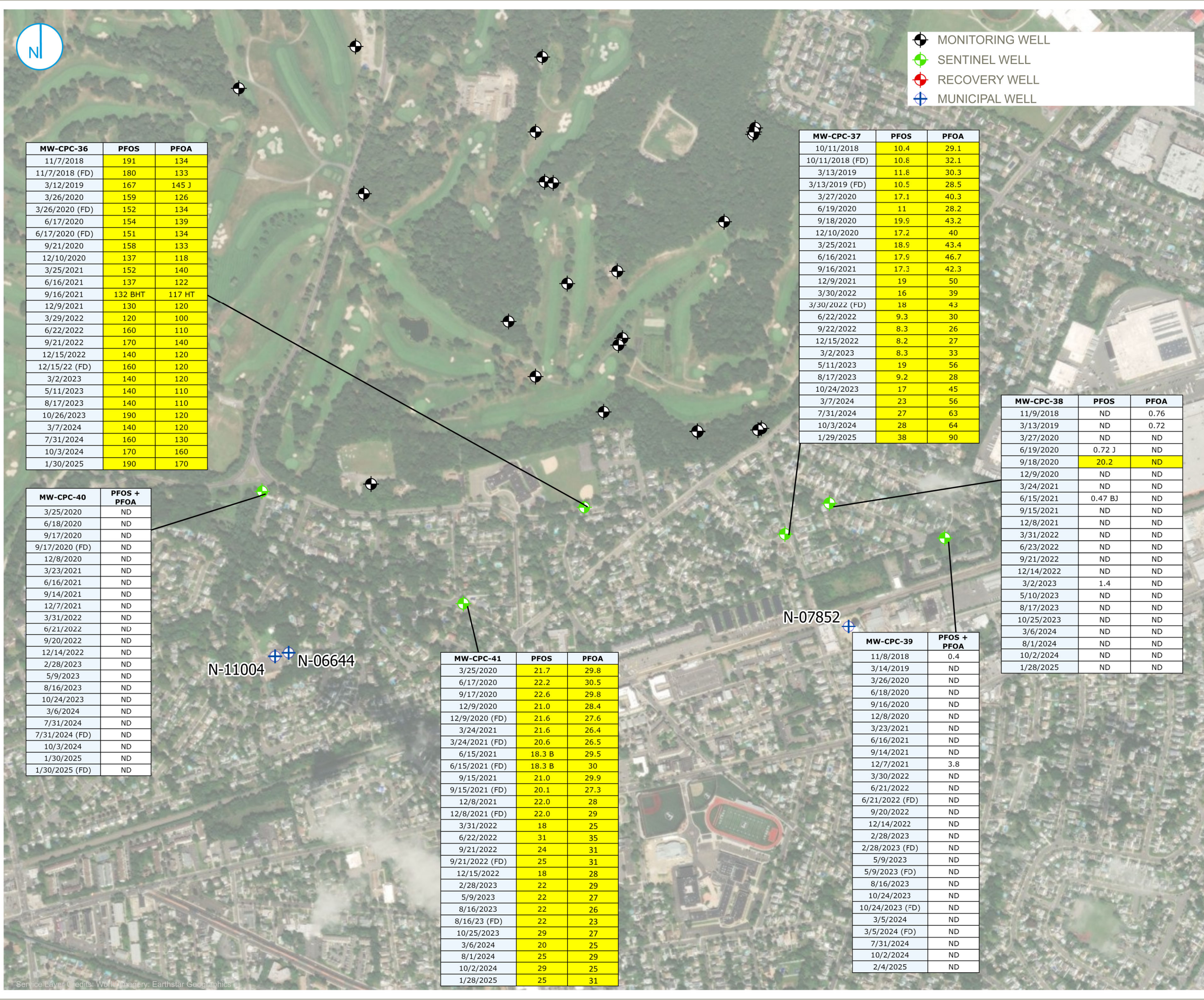
1,4-DIOXANE EXCEEDANCES IN SENTINEL WELLS

CLAREMONT POLYCHEMICAL CORPORATION
 505 WINDING ROAD
 OLD BETHPAGE, NEW YORK

FIGURE 33



Service Layer Credits: World Imagery: Earthstar Geographics



- Monitoring Well Results Notes:**
- PFOS and PFOA were compared to the NYSDEC "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. Division of Water Technical and Operational Guidance Series (1.1.1)." Last updated February 2023.
 - Only compounds with exceedances are shown. If the compound is not shown it was not detected above the criteria.
 - Criteria for compounds shown on this figure are presented in the table below.
 - Exceedance of relevant criteria indicated by yellow highlighting in the data box on the map.
 - ND indicates constituents of total are nondetect.
 - Quarter 3 2021 data has not been validated.
 - All results presented in ng/L.
 - B - Detected in associated blank.
 H - Analyzed outside of hold time.
 J - Result is estimated.
 T - A lab quality control sample is out of range.

Standards / Criteria:

	ng/L
Perfluorooctanesulfonic acid (PFOS)	2.7
Perfluorooctanoic acid (PFOA)	6.7

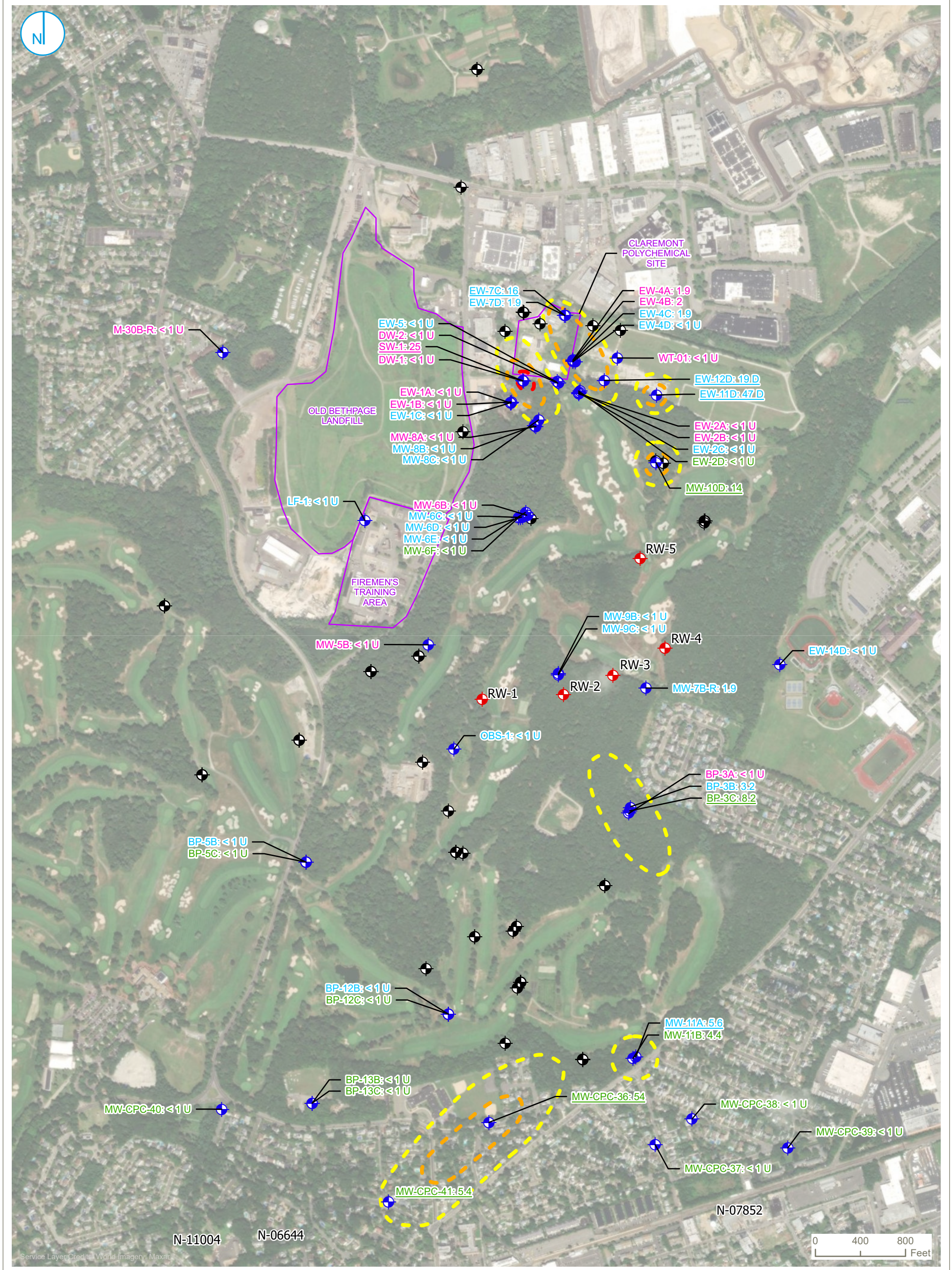
PFAS EXCEEDANCES IN SENTINEL WELLS

CLAREMONT POLYCHEMICAL CORPORATION
 505 WINDING ROAD
 OLD BETHPAGE, NEW YORK

FIGURE 34

RAMBOLL AMERICAS
 ENGINEERING SOLUTIONS, INC.
 A RAMBOLL COMPANY





- ◆ SAMPLED MONITORING WELL
 - ◆ UNSAMPLED MONITORING WELL
 - ◆ RECOVERY WELL
 - ◆ MUNICIPAL WELL
- PCE CONCENTRATION PLUME**
- 5 - 10 ug/L
 - 10 - 100 ug/L
 - > 100 ug/L
- AQUIFER POSITION**
- UPPER MAGOTHY
 - MIDDLE MAGOTHY
 - LOWER MAGOTHY

Notes:
 Generalized iso-concentrations represent groundwater concentrations from the upper, middle, and lower Magothy.
 All results given in ug/L.
 J - Concentration estimated.
 U - Parameter not detected above reporting limit (shown).
 - Underline indicates exceedance of groundwater standard (5 ug/L).
 - Maximum concentration of parent-duplicate pair shown.

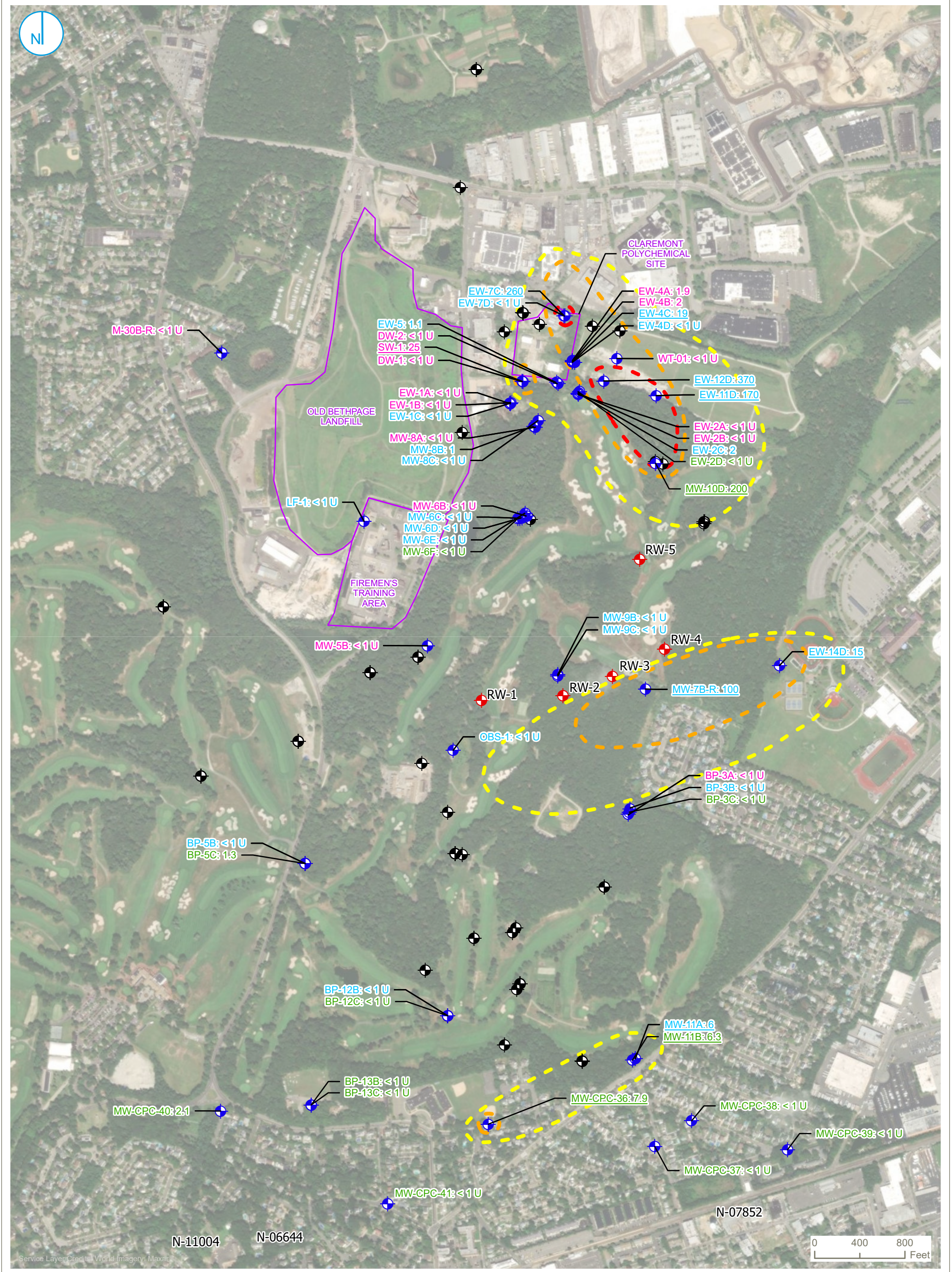
**FEBRUARY 2025
 TETRACHLOROETHENE
 (PCE) PLUME**

FIGURE 35

CLAREMONT POLYCHEMICAL CORPORATION
 505 WINDING ROAD
 OLD BETHPAGE, NEW YORK

RAMBOLL AMERICAS
 ENGINEERING SOLUTIONS, INC.
 A RAMBOLL COMPANY





- ◆ SAMPLED MONITORING WELL
 - ◆ UNSAMPLED MONITORING WELL
 - ◆ RECOVERY WELL
 - + MUNICIPAL WELL
- TCE CONCENTRATION PLUME**
- 5 - 10 ug/L
 - 10 - 100 ug/L
 - > 100 ug/L

Notes:
 Generalized iso-concentrations represent groundwater concentrations from the upper, middle, and lower Magothy
 All results given in ug/L.
 J - Concentration estimated.
 U - Parameter not detected above reporting limit (shown).
 - Underline indicates exceedance of groundwater standard (5 ug/L).
 - Maximum concentration of parent-duplicate pair shown.

AQUIFER POSITION
 UPPER MAGOTHY
 MIDDLE MAGOTHY
 LOWER MAGOTHY

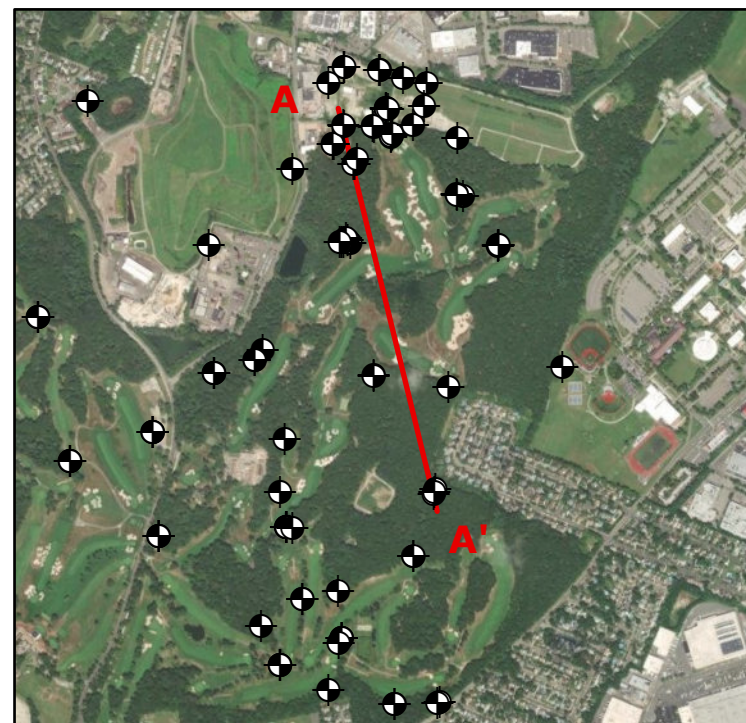
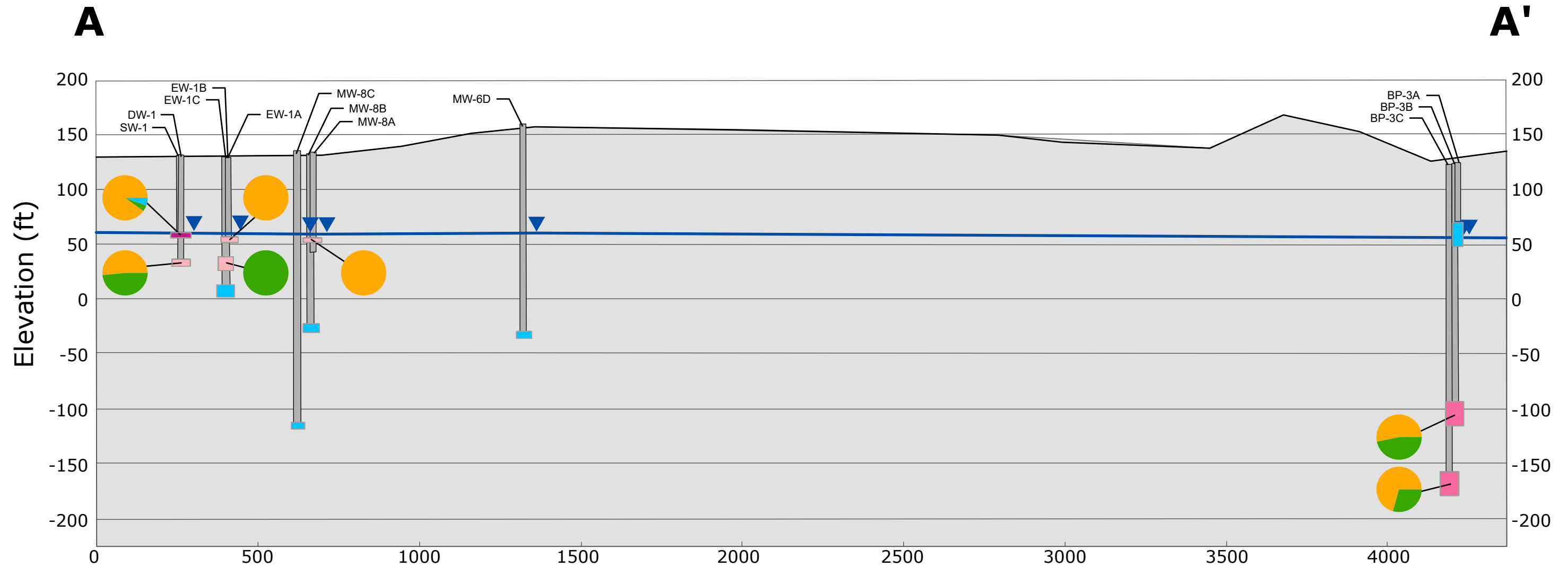
**FEBRUARY 2025
 TRICHLOROETHENE
 (TCE) PLUME**

FIGURE 36

CLAREMONT POLYCHEMICAL CORPORATION
 505 WINDING ROAD
 OLD BETHPAGE, NEW YORK

RAMBOLL AMERICAS
 ENGINEERING SOLUTIONS, INC.
 A RAMBOLL COMPANY





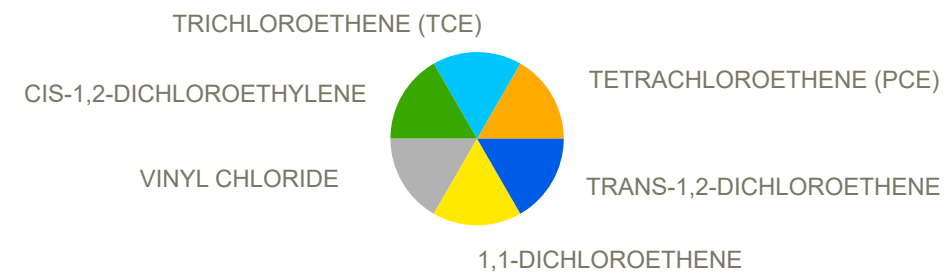
- Casing
- Screen Interval
- Groundwater Elevation (ft amsl)

Sum of CVOCs (ug/L)

- 0 - 10
- 10 - 100
- 100 - 500
- 500 - 1000

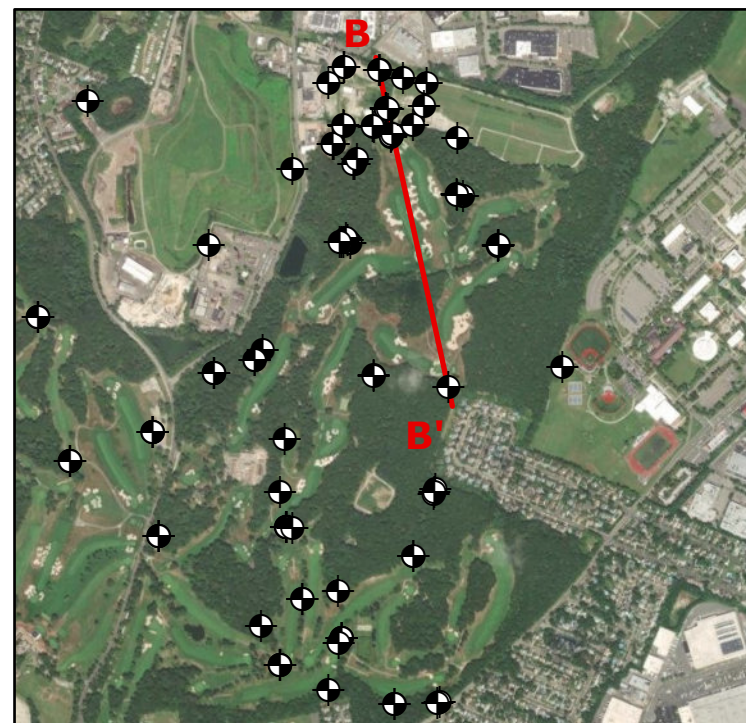
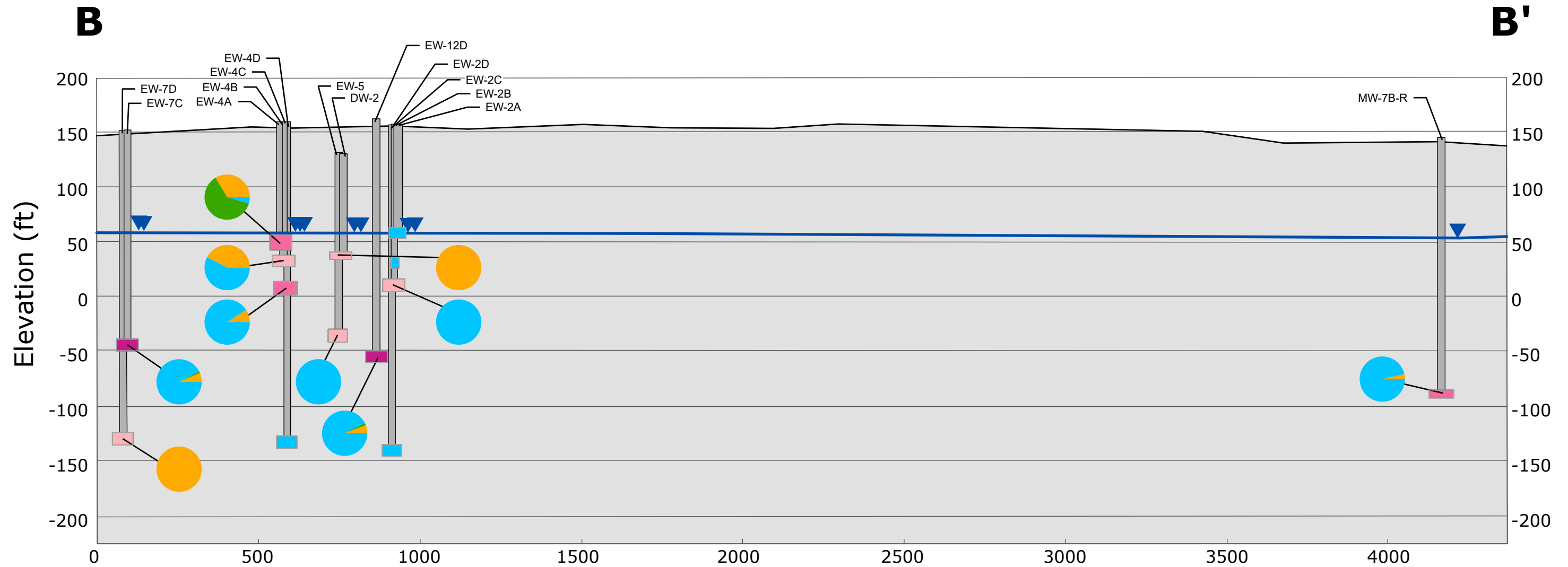
Notes

- Samples collected during Q1 2025.
- Capture distance to transect line is 250 ft.
- Pie charts shown are for samples with results from the selected constituents that were above the detection limit.
- Wells without a pie chart did not have reported results above the detection limit for the selected constituents.



CROSS SECTION TRANSECT A

FIGURE 37



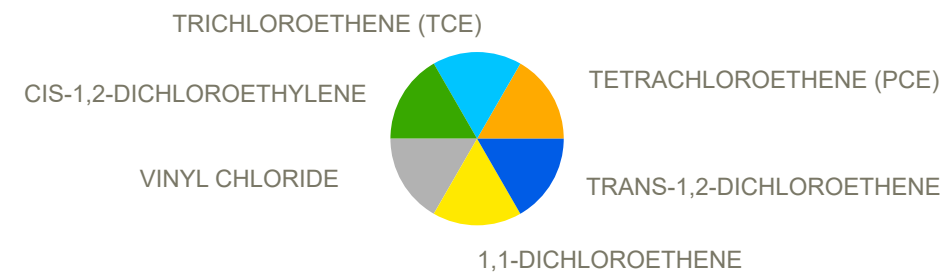
- Casing
- Screen Interval
- Groundwater Elevation (ft amsl)

Sum of CVOCs (ug/L)

- 0 - 10
- 10 - 100
- 100 - 500
- 500 - 1000

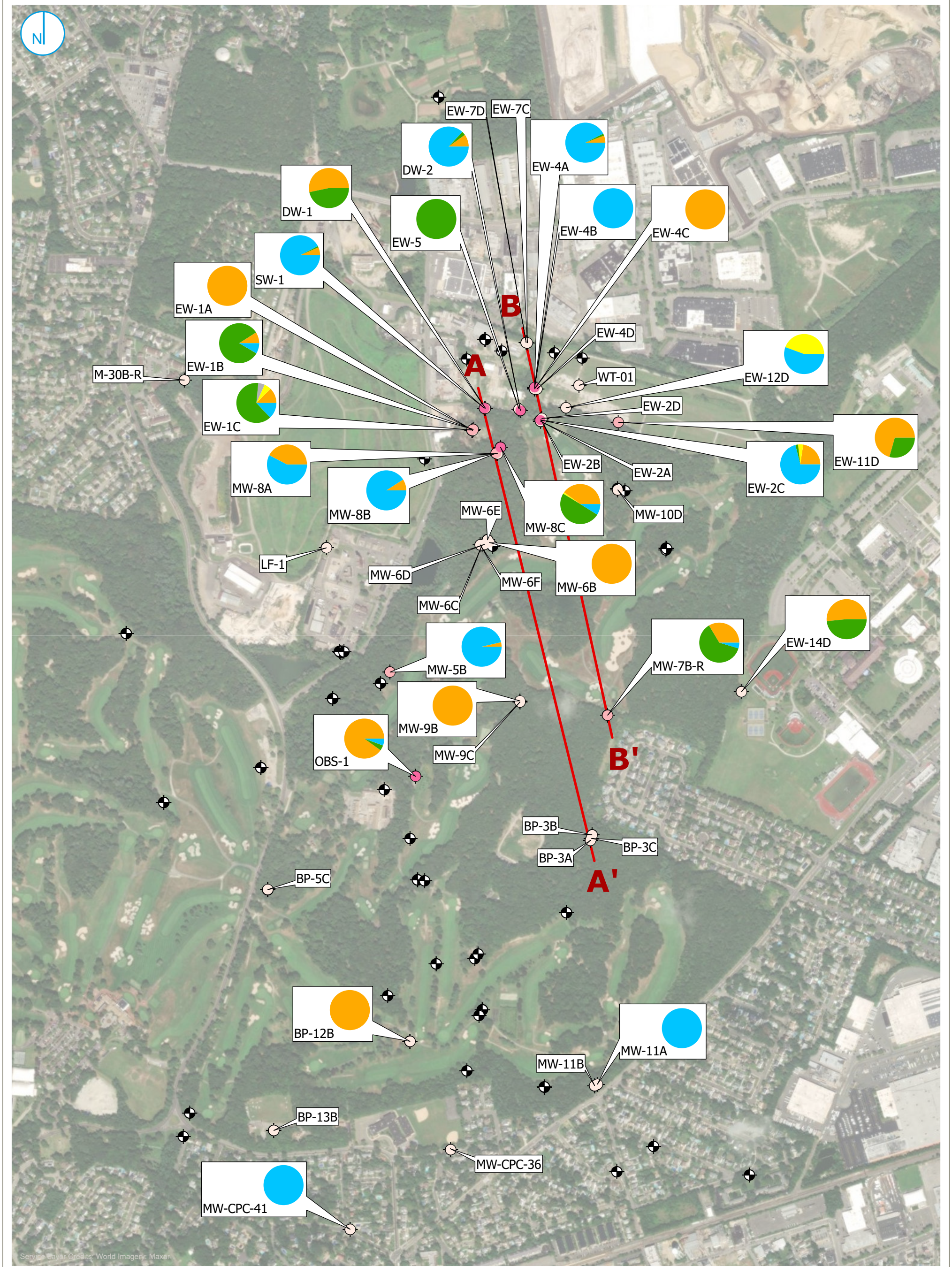
Notes

- Samples collected during Q1 2025.
- Capture distance to transect line is 250 ft.
- Pie charts shown are for samples with results from the selected constituents that were above the detection limit.
- Wells without a pie chart did not have reported results above the detection limit for the selected constituents.

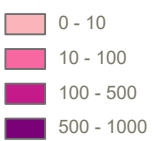


CROSS SECTION TRANSECT B

FIGURE 38



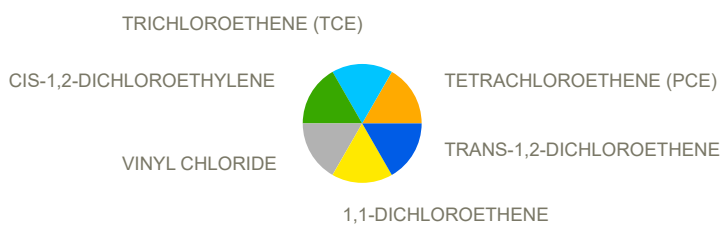
Sum of CVOCs (ug/L)



— Cross Section Transects

Notes

- Samples collected during Q1 2025.
- Pie charts shown are for samples with results from the selected constituents that were above the detection limit.
- Wells without a pie chart did not have reported results above the detection limit for the selected constituents.



DETECTED CHLORINATED BREAKDOWN PRODUCTS

CLAREMONT POLYCHEMICAL CORPORATION
 505 WINDING ROAD
 OLD BETHPAGE, NEW YORK

FIGURE 39

RAMBOLL AMERICAS
 ENGINEERING SOLUTIONS, INC.
 A RAMBOLL COMPANY



ATTACHMENT A
SYNOPTIC WATER LEVEL DATA

**ATTACHMENT A
CLAREMONT POLYCHEMICAL CORPORATION SITE
WATER LEVEL MEASUREMENTS
January 29, 2025**

Recording Date:			1/29/2025	Recorded by:		RB, BO, CI, GS
Well	4Q 2024 Depth to Water Reading (ft)	Time	Measuring Point Elevation (ft AMSL)	1Q 2025 Depth to Water Reading (ft)	Water Elevation (ft AMSL)	Comments
BP-1A	45.15	13:02	109.77	46.39	63.38	
BP-1B	45.18	13:04	109.53	46.21	63.32	
BP-1C	44.87	13:06	109.37	45.86	63.51	
BP-2A	85.22	11:29	151	86.40	64.60	
BP-2B*	85.03	11:27	151.13	86.56	64.57	
BP-3A	60.50	8:05	124.16	63.22	60.94	
BP-3B	63.75	8:09	123.19	65.53	57.66	
BP-3C	63.96	8:11	123.91	65.40	58.51	
BP-4A	31.24	11:49	92.69	32.76	59.93	
BP-4B*	30.59	11:47	91.92	32.05	59.87	
BP-4C*	31.32	11:45	91.68	32.39	59.29	
BP-4I	30.72	11:43	92.1	32.21	59.89	
BP-5A	34.53	11:19	96.34	35.79	60.55	
BP-5B	35.06	10:04	96.48	36.17	60.31	
BP-5C	35.16	10:06	96.28	36.14	60.14	
BP-6A	-	-	102.55	-	-	Well Inaccessible
BP-6B	38.98	10:52	102.58	40.06	62.52	
BP-6C	38.74	10:50	102.35	39.69	62.66	
BP-7A	81.31	11:05	147.54	82.21	65.33	
BP-7B	82.71	11:02	148.76	83.51	65.25	
BP-7C	82.49	10:59	148.4	83.30	65.10	
BP-8A	26.06	10:40	89.88	27.36	62.52	
BP-8B	25.91	10:35	89.82	27.16	62.66	
BP-8C	26.52	10:37	89.53	27.77	61.76	
BP-9B*	25.54	12:30	85.09	27.17	57.92	
BP-9C*	27.35	-	84.88	-	-	
BP-9I	25.55	12:32	85.18	27.21	57.97	
BP-10B*	22.25	12:24	81.21	25.00	56.21	
BP-10C*	26.35	12:22	80.94	26.88	54.06	
BP-11	-	-	81.76	-	-	Well buried
BP-12A*	19.25	12:45	78.33	20.71	57.62	
BP-12B	19.25	10:25	78.24	20.66	57.58	
BP-12C	21.05	10:30	78.56	22.95	55.61	
BP-13B	76.21	10:39	133.37	76.80	56.57	
BP-13C	77.81	10:38	133.67	78.01	55.66	
BP-14B*	21.81	12:02	81.50	23.22	58.28	
BP-14C*	22.86	12:04	81.48	23.78	57.7	
BP-15B	38.20	12:10	98.38	39.89	58.49	
BP-15C	38.18	12:12	98.45	39.59	58.86	
DW-1	64.16	13:12	130.13	65.19	64.94	
DW-2	70.02	13:28	135.52	71.10	64.42	
EW-1A	62.98	13:16	128.75	64.03	64.72	
EW-1B	63.55	13:15	129.31	64.59	64.72	
EW-1C	63.62	13:17	129.16	64.61	64.55	
EW-2A	90.98	8:58	156.09	92.21	63.88	
EW-2B	91.27	8:56	156.5	92.54	63.96	
EW-2C	91.30	8:57	156.5	92.49	64.01	
EW-2D	92.20	8:55	157.12	93.14	63.98	
EW-3A	95.03	8:25	157.88	96.98	60.90	

**ATTACHMENT A
CLAREMONT POLYCHEMICAL CORPORATION SITE
WATER LEVEL MEASUREMENTS
January 29, 2025**

Recording Date:			1/29/2025	Recorded by:		RB, BO, CI, GS
Well	4Q 2024 Depth to Water Reading (ft)	Time	Measuring Point Elevation (ft AMSL)	1Q 2025 Depth to Water Reading (ft)	Water Elevation (ft AMSL)	Comments
EW-3B	95.36	3:45	157.99	97.02	60.97	
EW-3C	96.24	8:27	157.87	96.87	61.00	
EW-4A	94.89	11:42	160.58	95.99	64.59	
EW-4B	94.94	11:40	160.59	96.03	64.56	
EW-4C	94.72	11:41	160.33	95.80	64.53	
EW-4D	95.29	11:43	160.62	96.17	64.45	
EW-5	68.64	13:27	135.05	70.66	64.39	
EW-6A	-	13:40	128.92	63.16	65.76	
EW-6C	-	13:38	129.02	63.59	65.43	
EW-7C	86.41	13:54	152.45	87.32	65.13	
EW-7D	86.37	13:56	152.35	87.23	65.12	
EW-8D	64.22	13:47	130.21	64.94	65.27	
EW-9D	70.18	13:51	136.2	71.05	65.15	
EW-10C	93.74	11:47	159.8	94.81	64.99	
EW-11D	99.77	11:34	164.17	100.90	63.27	
EW-12D	98.44	11:36	163.34	99.45	63.89	
EW-13D	98.63	11:51	163.61	99.35	64.26	
EW-14D	41.32	11:21	100.58	42.07	58.51	
LF-1	44.06	12:34	109.83	44.91	64.92	
LF-2	51.65	12:58	117.18	52.45	64.73	
M-30BR	85.30	12:49	153.07	84.97	68.10	
MW-5B	72.20	9:25	136.99	73.40	63.59	
MW-6A	-	NM	158.83	NM	-	Insufficient water
MW-6B	94.15	9:17	159.02	96.11	62.91	
MW-6C	94.75	9:19	158.65	95.51	63.14	
MW-6D	94.80	9:18	159.01	96.09	62.92	
MW-6E	95.41	9:16	159.54	96.66	62.88	
MW-6F	95.06	9:20	158.71	96.05	62.66	
MW-7BR	86.69	8:00	146.27	88.27	58.00	
MW-8A	68.33	9:05	133.52	69.55	63.97	
MW-8B	67.86	9:07	132.84	68.92	63.92	
MW-8C	69.48	9:00	134.27	70.43	63.84	
MW-9B	90.23	7:52	151.78	91.82	59.96	
MW-9C	90.85	7:55	151.97	92.48	59.49	
MW-10B	96.22	8:38	159.9	97.71	62.19	
MW-10C	95.43	8:47	158.89	96.76	62.13	
MW-10D	96.48	8:49	159.67	97.50	62.17	
MW-11A	22.20	10:52	78.71	24.00	54.71	
MW-11B	22.04	10:54	78.43	23.84	54.59	
MW-CPC-36	19.88	12:13	75.93	21.42	54.51	
MW-CPC-37	26.73	10:43	77.87	27.21	50.66	
MW-CPC-38	27.63	12:03	78.91	27.58	51.33	
MW-CPC-39	25.28	8:30	75.25	25.72	49.53	
MW-CPC-40	55.21	12:00	110	55.72	54.28	
MW-CPC-41	17.90	12:09	72.6	19.10	53.5	
OBS-1	47.49	9:40	109.03	48.31	60.72	
OBV-1B	87.09	9:57	157.26	87.40	69.86	
OBV-1C	87.58	9:59	156.69	87.11	69.58	
ORW-1 ^a	-	-	147.68	-	-	Vault door jammed

**ATTACHMENT A
CLAREMONT POLYCHEMICAL CORPORATION SITE
WATER LEVEL MEASUREMENTS
January 29, 2025**

Recording Date:			1/29/2025	Recorded by:		RB, BO, CI, GS
Well	4Q 2024 Depth to Water Reading (ft)	Time	Measuring Point Elevation (ft AMSL)	1Q 2025 Depth to Water Reading (ft)	Water Elevation (ft AMSL)	Comments
ORW-2 ^a	-	11:39	97.88	37.20	60.68	
ORW-3 ^a	-	11:55	91.39	31.45	59.94	
ORW-4 ^a	-	-	88.88	-	-	Vault inaccessible
ORW-5A ^a	-	12:49	100.38	42.49	57.89	
ORW-6 ^a	-	12:28	83.42	25.81	57.61	
ORW-7 ^a	-	12:40	76.14	19.31	56.83	
RB-1	68.04	10:11	135.02	66.28	68.74	
SW-1	64.30	13:11	130.24	65.34	64.90	
UM-1	-	-	115.64	-	-	Well Inaccessible
U-6A	-	10:05	153.94	68.93	85.01	Leak in casing
W-7A	38.05	13:26	104.44	39.11	65.33	
W-7B	39.03	13:28	104.55	40.19	64.36	
W-7C	39.33	13:24	104.68	40.46	64.22	
W-7D	39.79	13:30	104.58	40.88	63.70	
WT-01	97.86	11:54	163.28	99.09	64.19	

Notes:

*- Dedicated pump in well

a - no pumping at time of gauging

AMSL - above mean sea level

ft - feet

ATTACHMENT B
SUMMARY OF ANALYTICAL RESULTS

ATTACHMENT B1
SUMMARY OF EMERGING CONTAMINANT SAMPLES

Attachment B1
Summary of Analytical Results
February 2025 (1Q2025) Sampling Event
Claremont Polychemical Superfund Site OUS
Old Bethpage, NY

CAS RN:		763051-92-9	39108-34-4	27619-97-2	1691-99-2	24448-09-7	2355-31-9	13252-13-6	914637-49-3	812-70-4	356-02-5	919005-14-4	756426-58-1	4151-50-2	
Unit:		ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	
Criteria:															
Sample Description:															
Sample Description	Date Collected	Sample Type	11-Chloroicosasulfuro-3-Oxaundecane-1-Sulfonic Acid	1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	2-(N-Ethyl Perfluoro-1-Octanesulfonamido)-Ethanol	2-(N-Methyl Perfluoro-1-Octanesulfonamido)-Ethanol	2-(N-Methyl Perfluorooctanesulfonamido) Acetic Acid	2,2,3,3-Tetrafluoro-2-(1,1,2,2,3,3-Heptafluoropropoxy)-Propanoic Acid	2H,2H,3H,3H-Perfluorooctanoic Acid (5:3Ftca)	3-Perfluorheptyl Propanoic Acid (7:3Ftca)	3-Perfluoropropyl Propanoic Acid (3:3 Ftca)	4,8-Dioxa-3H-Perfluorononanoic Acid (Adona)	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	N-Ethyl Perfluoro-1-Octanesulfonamide
MW-CPC-36	1/30/2025	N	< 6.5 U	15	50	< 16 U	< 16 U	< 1.6 U	< 6.5 U	< 41 U	< 41 U	< 8.2 U	< 6.5 U	< 6.5 U	< 1.6 U
MW-CPC-37	1/29/2025	N	< 6.4 U	< 6.4 U	< 6.4 U	< 16 U	< 16 U	< 1.6 U	< 6.4 U	< 40 U	< 40 U	< 8 U	< 6.4 U	< 6.4 U	< 1.6 U
MW-CPC-38	1/28/2025	N	< 6.3 U	< 6.3 U	< 6.3 U	< 16 U	< 16 U	< 1.6 U	< 6.3 U	< 39 U	< 39 U	< 7.9 U	< 6.3 U	< 6.3 U	< 1.6 U
MW-CPC-39	2/4/2025	N	< 6.2 U	< 6.2 U	< 6.2 U	< 15 U	< 15 U	< 1.5 U	< 6.2 U	< 39 U	< 39 U	< 7.7 U	< 6.2 U	< 6.2 U	< 1.5 U
MW-CPC-40	1/30/2025	FD	< 6.2 U	< 6.2 U	20	< 16 U	< 16 U	< 1.6 U	< 6.2 U	< 39 U	< 39 U	< 7.8 U	< 6.2 U	< 6.2 U	< 1.6 U
MW-CPC-40	1/30/2025	N	< 6 U	< 6 U	< 6 U	< 15 U	< 15 U	< 1.5 U	< 6 U	< 38 U	< 38 U	< 7.6 U	< 6 U	< 6 U	< 1.5 U
MW-CPC-41	1/28/2025	N	< 6.3 U	< 6.3 U	< 6.3 U	< 16 U	< 16 U	< 1.6 U	< 6.3 U	< 39 U	< 39 U	< 7.8 U	< 6.3 U	< 6.3 U	< 1.6 U

Notes:
U - not detected
D - sample was diluted
NC - no criteria
NA - not analyzed
Bold indicates compound detected
Values in yellow cells exceed criteria
(a) NYSDEC TOGS (1.1.1), Updated February 2023.
ng/L - nanograms per liter
ug/L - micrograms per liter

Attachment B1
Summary of Analytical Results
February 2025 (1Q2025) Sampling Event
Claremont Polychemical Superfund Site OUS
Old Bethpage, NY

CAS RN:		2991-50-6	31506-32-8	151772-58-6	113507-82-7	377-73-1	863090-89-5	375-73-5	375-22-4	335-77-3	335-76-2	79780-39-5	307-55-1	375-92-8	
Unit:		ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	
Criteria:								100							
Sample Description:															
Sample Description	Date Collected	Sample Type	N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) Glycine	N-Methyl Perfluoro-1-Octanesulfonamide	Nonafluoro-3,6-Dioxahexanoic Acid	Perfluoro(2-Ethoxyethane)Sulfonic Acid	Perfluoro-3-Methoxypropanoic Acid	Perfluoro-4-Methoxybutanoic Acid	Perfluorobutanesulfonic Acid	Perfluorobutyric Acid (PFba)	Perfluorodecane Sulfonic Acid	Perfluorodecanoic Acid (PFda)	Perfluorododecane Sulfonate (PFdods)	Perfluorodecanoic Acid (PFdoa)	Perfluorooctane Sulfonate (PFfops)
MW-CPC-36	1/30/2025	N	< 1.6 U	< 1.6 U	< 3.3 U	< 3.3 U	< 3.3 U	< 3.3 U	7.4	38	< 1.6 U	4.2	< 1.6 U	< 1.6 U	3.1
MW-CPC-37	1/29/2025	N	< 1.6 U	< 1.6 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	4.3	32	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U
MW-CPC-38	1/28/2025	N	< 1.6 U	< 1.6 U	< 3.1 U	< 3.1 U	< 3.1 U	< 3.1 U	< 1.6 U	< 6.3 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U
MW-CPC-39	2/4/2025	N	< 1.5 U	< 1.5 U	< 3.1 U	< 3.1 U	< 3.1 U	< 3.1 U	< 1.5 U	< 6.2 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U
MW-CPC-40	1/30/2025	FD	< 1.6 U	< 1.6 U	< 3.1 U	< 3.1 U	< 3.1 U	< 3.1 U	< 1.6 U	< 6.2 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U
MW-CPC-40	1/30/2025	N	< 1.5 U	< 1.5 U	< 3 U	< 3 U	< 3 U	< 3 U	< 1.5 U	< 6 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U
MW-CPC-41	1/28/2025	N	< 1.6 U	< 1.6 U	< 3.1 U	< 3.1 U	< 3.1 U	< 3.1 U	2.3	18	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U

Notes:
U - not detected
D - sample was diluted
NC - no criteria
NA - not analyzed
Bold indicates compound detected
Values in yellow cells exceed criteria
(a) NYSDEC TOGS (1.1.1), Updated February 2023.
ng/L - nanograms per liter
ug/L - micrograms per liter

Attachment B1
Summary of Analytical Results
February 2025 (1Q2025) Sampling Event
Claremont Polychemical Superfund Site OUS
Old Bethpage, NY

CAS RN:			375-85-9	355-46-4	307-24-4	68259-12-1	375-95-1	754-91-6	1763-23-1	335-67-1	2706-91-4	2706-90-3	376-06-7	72629-94-8	2058-94-8	757124-72-4		123-91-1	
Unit:			ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ug/l	ug/l
Criteria:				100					2.7	6.7						100	NC	0.35	
Sample Description:									(a.)	(a.)								(a.)	
Sample Description	Date Collected	Sample Type	Perfluoroheptanoic Acid (Pfp7a)	Perfluorohexanesulfonic Acid	Perfluorohexanoic Acid (Pfh6a)	Perfluorononanesulfonic Acid (Pfn9s)	Perfluorononanoic Acid	Perfluorooctane Sulfonamide (Fosa)	Perfluorooctane Sulfonic Acid (Pfos)	Perfluorooctanoic Acid (Pfoa)	Perfluoropentanesulfonic Acid (Pipes)	Perfluoropentanoic Acid (Pp5a)	Perfluorotetradecanoic Acid (Pft4a)	Perfluorotridecanoic Acid (Pft3a)	Perfluoroundecanoic Acid (Pfu11a)	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4-2)	Total Pfas	1,4-Dioxane (P-Dioxane)	
MW-CPC-36	1/30/2025	N	43	46	58	< 1.6 U	630 D	< 1.6 U	190	170	7.8	62	< 1.6 U	< 1.6 U	8.2	< 6.5 U	1332.7	7.9	
MW-CPC-37	1/29/2025	N	8.5	8.0	16	< 1.6 U	< 1.6 U	< 1.6 U	38	90	4.5	8.3	< 1.6 U	< 1.6 U	< 1.6 U	< 6.4 U	209.6	26	
MW-CPC-38	1/28/2025	N	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 3.1 U	< 1.6 U	< 1.6 U	< 1.6 U	< 6.3 U	< 6.3 U	0.71	
MW-CPC-39	2/4/2025	N	< 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	< 3.1 U	< 1.5 U	< 1.5 U	< 1.5 U	< 6.2 U	< 6.2 U	< 0.2 U	
MW-CPC-40	1/30/2025	FD	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 3.1 U	< 1.6 U	< 1.6 U	< 1.6 U	< 6.2 U	20	2.6	
MW-CPC-40	1/30/2025	N	< 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	< 3 U	< 1.5 U	< 1.5 U	< 1.5 U	< 6 U	< 6 U	2.8	
MW-CPC-41	1/28/2025	N	14	7.7	26	< 1.6 U	120	< 1.6 U	25	31	1.8	36	< 1.6 U	< 1.6 U	< 1.6 U	< 6.3 U	281.8	2.7	

Notes:
U - not detected
D - sample was diluted
NC - no criteria
NA - not analyzed
Bold indicates compound detected
Values in yellow cells exceed criteria
(a) NYSDEC TOGS (1.1.1), Updated February 2023.
ng/L - nanograms per liter
ug/L - micrograms per liter

ATTACHMENT C
LABORATORY DATA DELIVERABLES

February 12, 2025

Payson Long
NYDEC_Ramboll US Consulting, Inc. - Syracuse
333 West Washington Street, PO Box 4873
Syracuse, NY 13202

Project Location: Old Bethpage, NY
Client Job Number:
Project Number: 130015
Laboratory Work Order Number: 25B0002

Enclosed are results of analyses for samples as received by the laboratory on February 1, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

NYDEC_Ramboll US Consulting, Inc. - Syracuse
333 West Washington Street, PO Box 4873
Syracuse, NY 13202
ATTN: Payson Long

REPORT DATE: 2/12/2025

PURCHASE ORDER NUMBER: 151811

PROJECT NUMBER: 130015

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25B0002

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: Old Bethpage, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TB-CPC-QC-20250130	25B0002-01	Trip Blank Water		SW-846 8260D	
MW-CPC-38-23-391-20250128-0	25B0002-02	Ground Water		Draft Method 1633 SW-846 8260D SW-846 8270E	
MW-CPC-41-23-258-20250128-0	25B0002-03	Ground Water		Draft Method 1633 SW-846 8260D SW-846 8270E	
MW-CPC-37-23-445-20250129-0	25B0002-04	Ground Water		Draft Method 1633 SW-846 8260D SW-846 8270E	
MW-CPC-40-23-312-20250130-0	25B0002-05	Ground Water		Draft Method 1633 SW-846 8260D SW-846 8270E	
MW-CPC-40-23-312-20250130-1	25B0002-06	Ground Water		Draft Method 1633 SW-846 8260D SW-846 8270E	
MW-CPC-40-23-312-20250130-2	25B0002-07	Equipment Blank Water		Draft Method 1633	
MW-CPC-36-23-251-20250130-0	25B0002-08	Ground Water		Draft Method 1633 SW-846 8260D SW-846 8270E	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Only PFAS 1633 Equipment Blank received for sample -07.

Qualifications:

PF-17
Extracted Internal Standard recovery is outside of control limits. Data is not significantly affected since associated analyte is not detected and bias is on the high side.

Analyte & Samples(s) Qualified:

11Cl-PF3OUdS (F53B Major)

B398340-BLK1

13C2-PFDaA

B398340-BLK1

13C3-HFPO-DA

B398340-BLK1

13C3-PFBS

B398340-BLK1

13C3-PFHxS

B398340-BLK1

13C4-PFBA

B398340-BLK1

13C4-PFHpA

B398340-BLK1

13C5-PFHxA

B398340-BLK1

13C5-PFPeA

B398340-BLK1

13C6-PFDA

B398340-BLK1

13C7-PFUnA

B398340-BLK1

13C8-PFOA

B398340-BLK1

13C8-PFOS

B398340-BLK1

13C8-PFOSA

B398340-BLK1

13C9-PFNA

B398340-BLK1

2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FI

B398340-BLK1

3-Perfluoroheptyl propanoic acid (FHpPA)(7:3FTC/

B398340-BLK1

3-Perfluoropropyl propanoic acid (FPrPA)(3:3FTC/

B398340-BLK1

4,8-Dioxa-3H-perfluorononanoic acid (ADONA)

B398340-BLK1

9Cl-PF3ONS (F53B Minor)

B398340-BLK1

D3-NMeFOSA

B398340-BLK1

D5-NEtFOSA

B398340-BLK1

D5-NEtFOSAA

B398340-BLK1

D7-NMeFOSE

B398340-BLK1

D9-NEtFOSE

B398340-BLK1

Hexafluoropropylene oxide dimer acid (HFPO-DA)

B398340-BLK1

N-EtFOSAA (NEtFOSAA)

B398340-BLK1

N-ethyl perfluorooctanesulfonamide (NEtFOSA)

B398340-BLK1

PF-17

Extracted Internal Standard recovery is outside of control limits. Data is not significantly affected since associated analyte is not detected and bias is on the high side.

Analyte & Samples(s) Qualified:

N-ethylperfluorooctanesulfonamidoethanol (NEtFO)
B398340-BLK1

N-methyl perfluorooctanesulfonamide (NMeFOSA)
B398340-BLK1

N-methylperfluorooctanesulfonamidoethanol(NMeF)
B398340-BLK1

Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)
B398340-BLK1

Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)
B398340-BLK1

Perfluoro-3-methoxypropanoic acid (PFMPA)
B398340-BLK1

Perfluoro-4-methoxybutanoic acid (PFMBA)
B398340-BLK1

Perfluorobutanesulfonic acid (PFBS)
B398340-BLK1

Perfluorobutanoic acid (PFBA)
B398340-BLK1

Perfluorodecanesulfonic acid (PFDS)
B398340-BLK1

Perfluorodecanoic acid (PFDA)
B398340-BLK1

Perfluorododecanesulfonic acid (PFDoS)
B398340-BLK1

Perfluorododecanoic acid (PFDoA)
B398340-BLK1

Perfluoroheptanesulfonic acid (PFHpS)
B398340-BLK1

Perfluoroheptanoic acid (PFHpA)
B398340-BLK1

Perfluorohexanesulfonic acid (PFHxS)
B398340-BLK1

Perfluorohexanoic acid (PFHxA)
B398340-BLK1

Perfluorononanesulfonic acid (PFNS)
B398340-BLK1

Perfluorononanoic acid (PFNA)
B398340-BLK1

Perfluorooctanesulfonamide (PFOSA)
B398340-BLK1

Perfluorooctanesulfonic acid (PFOS)
B398340-BLK1

Perfluorooctanoic acid (PFOA)
B398340-BLK1

Perfluoropentanesulfonic acid (PFPeS)
B398340-BLK1

Perfluoropentanoic acid (PFPeA)
B398340-BLK1

Perfluorotridecanoic acid (PFTrDA)
B398340-BLK1

Perfluoroundecanoic acid (PFUnA)
B398340-BLK1

**PF-18**

Re-analysis confirmed Extracted Internal Standard failure due to matrix effects.

Analyte & Samples(s) Qualified:**13C2-6:2FTS**

25B0002-06RE1[MW-CPC-40-23-312-20250130-1]

1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)

25B0002-06RE1[MW-CPC-40-23-312-20250130-1]

SW-846 8260D

Qualifications:**V-05**

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:**Chloromethane**

25B0002-01[TB-CPC-QC-20250130], 25B0002-02[MW-CPC-38-23-391-20250128-0], 25B0002-03[MW-CPC-41-23-258-20250128-0],
25B0002-04[MW-CPC-37-23-445-20250129-0], 25B0002-05[MW-CPC-40-23-312-20250130-0], 25B0002-06[MW-CPC-40-23-312-20250130-1],
25B0002-08[MW-CPC-36-23-251-20250130-0], B398108-BLK1, B398108-BS1, B398108-BSD1, S117668-CCV1

The results of analyses reported only relate to samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: TB-CPC-QC-20250130

Sampled: 1/30/2025 16:00

Sample ID: 25B0002-01

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: TB-CPC-QC-20250130

Sampled: 1/30/2025 16:00

Sample ID: 25B0002-01

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:25	EEH
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		88.0		70-130				2/5/25 2:25	
Toluene-d8		95.4		70-130				2/5/25 2:25	
4-Bromofluorobenzene		107		70-130				2/5/25 2:25	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-38-23-391-20250128-0

Sampled: 1/28/2025 12:45

Sample ID: 25B0002-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-38-23-391-20250128-0

Sampled: 1/28/2025 12:45

Sample ID: 25B0002-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 2:50	EEH
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		85.9	70-130					2/5/25 2:50	
Toluene-d8		97.0	70-130					2/5/25 2:50	
4-Bromofluorobenzene		109	70-130					2/5/25 2:50	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-38-23-391-20250128-0

Sampled: 1/28/2025 12:45

Sample ID: 25B0002-02

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.71	0.20	µg/L	1		SW-846 8270E	2/3/25	2/7/25 21:19	GJB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
1,4-Dioxane-d8	27.7		15-110					2/7/25 21:19	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-38-23-391-20250128-0

Sampled: 1/28/2025 12:45

Sample ID: 25B0002-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	6.3	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
Perfluoropentanoic acid (PFPeA)	ND	3.1	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
Perfluorooctanoic acid (PFOA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
Perfluorononanoic acid (PFNA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
Perfluorodecanoic acid (PFDA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	6.3	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	6.3	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	6.3	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	16	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	16	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	6.3	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	6.3	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
9Cl-PF3ONS (F53B Minor)	ND	6.3	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
11Cl-PF3OUdS (F53B Major)	ND	6.3	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
3-Perfluoropropyl propanoic acid (FPPrPA) (3:3FTCA)	ND	7.9	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	ND	39	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
3-Perfluoroheptyl propanoic acid (FHPrPA) (7:3FTCA)	ND	39	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.1	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	3.1	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-38-23-391-20250128-0

Sampled: 1/28/2025 12:45

Sample ID: 25B0002-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	3.1	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.1	ng/L	1		Draft Method 1633	2/4/25	2/4/25 23:51	AMS
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
13C4-PFBA	6.14	5-130			2/4/25 23:51				
13C5-PFPeA	66.9	40-130			2/4/25 23:51				
13C5-PFHxA	88.6	40-130			2/4/25 23:51				
13C4-PFHpA	85.2	40-130			2/4/25 23:51				
13C8-PFOA	91.9	40-130			2/4/25 23:51				
13C9-PFNA	83.9	40-130			2/4/25 23:51				
13C6-PFDA	91.7	40-130			2/4/25 23:51				
13C7-PFUnA	94.3	30-130			2/4/25 23:51				
13C2-PFD _o A	79.0	10-130			2/4/25 23:51				
13C2-PFTeDA	72.3	10-130			2/4/25 23:51				
13C3-PFBS	78.1	40-135			2/4/25 23:51				
13C3-PFHxS	84.2	40-130			2/4/25 23:51				
13C8-PFOS	88.8	40-130			2/4/25 23:51				
13C2-4:2FTS	83.2	40-200			2/4/25 23:51				
13C2-6:2FTS	89.3	40-200			2/4/25 23:51				
13C2-8:2FTS	84.2	40-300			2/4/25 23:51				
13C8-PFOSA	90.4	40-130			2/4/25 23:51				
D3-NMeFOSA	87.7	10-130			2/4/25 23:51				
D5-NEtFOSA	82.6	10-130			2/4/25 23:51				
D3-NMeFOSAA	80.2	40-170			2/4/25 23:51				
D5-NEtFOSAA	80.5	25-135			2/4/25 23:51				
D7-NMeFOSE	75.3	10-130			2/4/25 23:51				
D9-NEtFOSE	72.5	10-130			2/4/25 23:51				
13C3-HFPO-DA	90.5	40-130			2/4/25 23:51				

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-41-23-258-20250128-0

Sampled: 1/28/2025 16:30

Sample ID: 25B0002-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-41-23-258-20250128-0

Sampled: 1/28/2025 16:30

Sample ID: 25B0002-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Tetrachloroethylene	5.1	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:15	EEH
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		89.2		70-130				2/5/25 3:15	
Toluene-d8		97.2		70-130				2/5/25 3:15	
4-Bromofluorobenzene		105		70-130				2/5/25 3:15	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-41-23-258-20250128-0

Sampled: 1/28/2025 16:30

Sample ID: 25B0002-03

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	2.7	0.20	µg/L	1		SW-846 8270E	2/3/25	2/7/25 21:39	GJB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,4-Dioxane-d8	28.5	15-110						2/7/25 21:39	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-41-23-258-20250128-0

Sampled: 1/28/2025 16:30

Sample ID: 25B0002-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	18	6.3	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
Perfluoropentanoic acid (PFPeA)	36	3.1	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
Perfluorohexanoic acid (PFHxA)	26	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
Perfluoroheptanoic acid (PFHpA)	14	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
Perfluorooctanoic acid (PFOA)	31	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
Perfluorononanoic acid (PFNA)	120	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
Perfluorodecanoic acid (PFDA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
Perfluorobutanesulfonic acid (PFBS)	2.3	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
Perfluoropentanesulfonic acid (PFPeS)	1.8	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
Perfluorohexanesulfonic acid (PFHxS)	7.7	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
Perfluorooctanesulfonic acid (PFOS)	25	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	6.3	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	6.3	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	6.3	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	16	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	16	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	6.3	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	6.3	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
9Cl-PF3ONS (F53B Minor)	ND	6.3	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
11Cl-PF3OUdS (F53B Major)	ND	6.3	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
3-Perfluoropropyl propanoic acid (FPPrPA) (3:3FTCA)	ND	7.8	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	ND	39	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
3-Perfluoroheptyl propanoic acid (FHPrPA) (7:3FTCA)	ND	39	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.1	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	3.1	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-41-23-258-20250128-0

Sampled: 1/28/2025 16:30

Sample ID: 25B0002-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	3.1	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.1	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:19	AMS
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
13C4-PFBA	76.8	5-130			2/5/25 0:19				
13C5-PFPeA	67.0	40-130			2/5/25 0:19				
13C5-PFHxA	73.8	40-130			2/5/25 0:19				
13C4-PFHpA	72.8	40-130			2/5/25 0:19				
13C8-PFOA	77.9	40-130			2/5/25 0:19				
13C9-PFNA	73.0	40-130			2/5/25 0:19				
13C6-PFDA	69.8	40-130			2/5/25 0:19				
13C7-PFUnA	68.2	30-130			2/5/25 0:19				
13C2-PFDoA	62.5	10-130			2/5/25 0:19				
13C2-PFTeDA	54.1	10-130			2/5/25 0:19				
13C3-PFBS	68.7	40-135			2/5/25 0:19				
13C3-PFHxS	71.9	40-130			2/5/25 0:19				
13C8-PFOS	69.9	40-130			2/5/25 0:19				
13C2-4:2FTS	44.6	40-200			2/5/25 0:19				
13C2-6:2FTS	40.2	40-200			2/5/25 0:19				
13C2-8:2FTS	40.2	40-300			2/5/25 0:19				
13C8-PFOSA	63.9	40-130			2/5/25 0:19				
D3-NMeFOSA	53.2	10-130			2/5/25 0:19				
D5-NEtFOSA	53.7	10-130			2/5/25 0:19				
D3-NMeFOSAA	52.5	40-170			2/5/25 0:19				
D5-NEtFOSAA	50.2	25-135			2/5/25 0:19				
D7-NMeFOSE	60.1	10-130			2/5/25 0:19				
D9-NEtFOSE	58.3	10-130			2/5/25 0:19				
13C3-HFPO-DA	78.4	40-130			2/5/25 0:19				

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-37-23-445-20250129-0

Sampled: 1/29/2025 16:45

Sample ID: 25B0002-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
1,1-Dichloroethane	2.3	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
cis-1,2-Dichloroethylene	9.9	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-37-23-445-20250129-0

Sampled: 1/29/2025 16:45

Sample ID: 25B0002-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Vinyl Chloride	3.2	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 3:41	EEH
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		86.2		70-130				2/5/25 3:41	
Toluene-d8		97.6		70-130				2/5/25 3:41	
4-Bromofluorobenzene		107		70-130				2/5/25 3:41	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-37-23-445-20250129-0

Sampled: 1/29/2025 16:45

Sample ID: 25B0002-04

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	26	0.20	µg/L	1		SW-846 8270E	2/3/25	2/7/25 21:59	GJB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,4-Dioxane-d8	24.8	15-110			2/7/25 21:59				

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-37-23-445-20250129-0

Sampled: 1/29/2025 16:45

Sample ID: 25B0002-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	32	6.4	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
Perfluoropentanoic acid (PFPeA)	8.3	3.2	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
Perfluorohexanoic acid (PFHxA)	16	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
Perfluoroheptanoic acid (PFHpA)	8.5	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
Perfluorooctanoic acid (PFOA)	90	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
Perfluorononanoic acid (PFNA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
Perfluorodecanoic acid (PFDA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
Perfluorobutanesulfonic acid (PFBS)	4.3	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
Perfluoropentanesulfonic acid (PFPeS)	4.5	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
Perfluorohexanesulfonic acid (PFHxS)	8.0	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
Perfluorooctanesulfonic acid (PFOS)	38	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	6.4	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	6.4	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	6.4	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	16	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	16	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	6.4	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	6.4	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
9Cl-PF3ONS (F53B Minor)	ND	6.4	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
11Cl-PF3OUdS (F53B Major)	ND	6.4	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
3-Perfluoropropyl propanoic acid (FPPrPA) (3:3FTCA)	ND	8.0	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	ND	40	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
3-Perfluoroheptyl propanoic acid (FHPrPA) (7:3FTCA)	ND	40	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.2	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	3.2	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-37-23-445-20250129-0

Sampled: 1/29/2025 16:45

Sample ID: 25B0002-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	3.2	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.2	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:28	AMS
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
13C4-PFBA	83.7	5-130			2/5/25 0:28				
13C5-PFPeA	78.8	40-130			2/5/25 0:28				
13C5-PFHxA	84.2	40-130			2/5/25 0:28				
13C4-PFHpA	81.9	40-130			2/5/25 0:28				
13C8-PFOA	84.5	40-130			2/5/25 0:28				
13C9-PFNA	82.7	40-130			2/5/25 0:28				
13C6-PFDA	77.9	40-130			2/5/25 0:28				
13C7-PFUnA	77.6	30-130			2/5/25 0:28				
13C2-PFDoA	70.5	10-130			2/5/25 0:28				
13C2-PFTeDA	65.2	10-130			2/5/25 0:28				
13C3-PFBS	78.5	40-135			2/5/25 0:28				
13C3-PFHxS	80.4	40-130			2/5/25 0:28				
13C8-PFOS	81.6	40-130			2/5/25 0:28				
13C2-4:2FTS	53.8	40-200			2/5/25 0:28				
13C2-6:2FTS	53.2	40-200			2/5/25 0:28				
13C2-8:2FTS	52.4	40-300			2/5/25 0:28				
13C8-PFOSA	70.1	40-130			2/5/25 0:28				
D3-NMeFOSA	67.2	10-130			2/5/25 0:28				
D5-NEtFOSA	68.0	10-130			2/5/25 0:28				
D3-NMeFOSAA	67.0	40-170			2/5/25 0:28				
D5-NEtFOSAA	68.9	25-135			2/5/25 0:28				
D7-NMeFOSE	68.2	10-130			2/5/25 0:28				
D9-NEtFOSE	68.6	10-130			2/5/25 0:28				
13C3-HFPO-DA	85.4	40-130			2/5/25 0:28				

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-40-23-312-20250130-0

Sampled: 1/30/2025 09:05

Sample ID: 25B0002-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
1,1-Dichloroethane	5.0	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
1,1-Dichloroethylene	1.5	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-40-23-312-20250130-0

Sampled: 1/30/2025 09:05

Sample ID: 25B0002-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
1,1,1-Trichloroethane	1.6	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Trichloroethylene	2.5	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:06	EEH
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		86.5	70-130					2/5/25 4:06	
Toluene-d8		99.0	70-130					2/5/25 4:06	
4-Bromofluorobenzene		103	70-130					2/5/25 4:06	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-40-23-312-20250130-0

Sampled: 1/30/2025 09:05

Sample ID: 25B0002-05

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	2.8	0.20	µg/L	1		SW-846 8270E	2/3/25	2/7/25 22:19	GJB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
1,4-Dioxane-d8	24.8		15-110					2/7/25 22:19	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-40-23-312-20250130-0

Sampled: 1/30/2025 09:05

Sample ID: 25B0002-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	6.0	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
Perfluoropentanoic acid (PFPeA)	ND	3.0	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.5	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.5	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
Perfluorooctanoic acid (PFOA)	ND	1.5	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
Perfluorononanoic acid (PFNA)	ND	1.5	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
Perfluorodecanoic acid (PFDA)	ND	1.5	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.5	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.5	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.5	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	1.5	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.5	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.5	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.5	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.5	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	1.5	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.5	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.5	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	1.5	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	6.0	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	6.0	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	6.0	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	1.5	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	1.5	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.5	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.5	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.5	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	15	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	15	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	6.0	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	6.0	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
9Cl-PF3ONS (F53B Minor)	ND	6.0	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
11Cl-PF3OUdS (F53B Major)	ND	6.0	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
3-Perfluoropropyl propanoic acid (FPPrPA) (3:3FTCA)	ND	7.6	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	ND	38	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
3-Perfluoroheptyl propanoic acid (FHPrPA) (7:3FTCA)	ND	38	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.0	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	3.0	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-40-23-312-20250130-0

Sampled: 1/30/2025 09:05

Sample ID: 25B0002-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	3.0	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.0	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:02	AMS
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
13C4-PFBA	93.3	5-130			2/10/25 22:02				
13C5-PFPeA	83.9	40-130			2/10/25 22:02				
13C5-PFHxA	92.3	40-130			2/10/25 22:02				
13C4-PFHpA	92.0	40-130			2/10/25 22:02				
13C8-PFOA	94.3	40-130			2/10/25 22:02				
13C9-PFNA	90.3	40-130			2/10/25 22:02				
13C6-PFDA	88.7	40-130			2/10/25 22:02				
13C7-PFUnA	92.4	30-130			2/10/25 22:02				
13C2-PFD _o A	81.5	10-130			2/10/25 22:02				
13C2-PFTeDA	76.8	10-130			2/10/25 22:02				
13C3-PFBS	90.9	40-135			2/10/25 22:02				
13C3-PFHxS	90.8	40-130			2/10/25 22:02				
13C8-PFOS	90.5	40-130			2/10/25 22:02				
13C2-4:2FTS	53.4	40-200			2/10/25 22:02				
13C2-6:2FTS	51.7	40-200			2/10/25 22:02				
13C2-8:2FTS	52.1	40-300			2/10/25 22:02				
13C8-PFOSA	84.9	40-130			2/10/25 22:02				
D3-NMeFOSA	84.4	10-130			2/10/25 22:02				
D5-NEtFOSA	82.4	10-130			2/10/25 22:02				
D3-NMeFOSAA	71.7	40-170			2/10/25 22:02				
D5-NEtFOSAA	72.2	25-135			2/10/25 22:02				
D7-NMeFOSE	80.2	10-130			2/10/25 22:02				
D9-NEtFOSE	78.4	10-130			2/10/25 22:02				
13C3-HFPO-DA	92.0	40-130			2/10/25 22:02				

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-40-23-312-20250130-1

Sampled: 1/30/2025 09:05

Sample ID: 25B0002-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
1,1-Dichloroethane	5.0	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
1,1-Dichloroethylene	1.4	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-40-23-312-20250130-1

Sampled: 1/30/2025 09:05

Sample ID: 25B0002-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
1,1,1-Trichloroethane	1.5	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Trichloroethylene	2.5	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:32	EEH
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		86.5	70-130					2/5/25 4:32	
Toluene-d8		99.0	70-130					2/5/25 4:32	
4-Bromofluorobenzene		110	70-130					2/5/25 4:32	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-40-23-312-20250130-1

Sampled: 1/30/2025 09:05

Sample ID: 25B0002-06

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	2.6	0.21	µg/L	1		SW-846 8270E	2/3/25	2/7/25 22:39	GJB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
1,4-Dioxane-d8	25.9		15-110					2/7/25 22:39	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-40-23-312-20250130-1

Sampled: 1/30/2025 09:05

Sample ID: 25B0002-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	6.2	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
Perfluoropentanoic acid (PFPeA)	ND	3.1	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.6	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.6	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
Perfluorooctanoic acid (PFOA)	ND	1.6	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
Perfluorononanoic acid (PFNA)	ND	1.6	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
Perfluorodecanoic acid (PFDA)	ND	1.6	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.6	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.6	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.6	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	1.6	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.6	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.6	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.6	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.6	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	1.6	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.6	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.6	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	1.6	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	6.2	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	20	6.2	ng/L	1	PF-18	Draft Method 1633	2/7/25	2/10/25 22:11	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	6.2	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	1.6	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	1.6	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.6	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.6	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.6	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	16	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	16	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	6.2	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	6.2	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
9Cl-PF3ONS (F53B Minor)	ND	6.2	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
11Cl-PF3OUdS (F53B Major)	ND	6.2	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
3-Perfluoropropyl propanoic acid (FPPrPA) (3:3FTCA)	ND	7.8	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	ND	39	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
3-Perfluoroheptyl propanoic acid (FHPrPA) (7:3FTCA)	ND	39	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.1	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	3.1	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-40-23-312-20250130-1

Sampled: 1/30/2025 09:05

Sample ID: 25B0002-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	3.1	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.1	ng/L	1		Draft Method 1633	2/7/25	2/10/25 22:11	AMS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
13C4-PFBA	84.4		5-130			2/10/25 22:11			
13C5-PFPeA	75.7		40-130			2/10/25 22:11			
13C5-PFHxA	84.3		40-130			2/10/25 22:11			
13C4-PFHpA	81.5		40-130			2/10/25 22:11			
13C8-PFOA	87.3		40-130			2/10/25 22:11			
13C9-PFNA	81.4		40-130			2/10/25 22:11			
13C6-PFDA	80.0		40-130			2/10/25 22:11			
13C7-PFUnA	81.5		30-130			2/10/25 22:11			
13C2-PFD _o A	73.3		10-130			2/10/25 22:11			
13C2-PFTeDA	69.4		10-130			2/10/25 22:11			
13C3-PFBS	87.6		40-135			2/10/25 22:11			
13C3-PFHxS	82.6		40-130			2/10/25 22:11			
13C8-PFOS	80.0		40-130			2/10/25 22:11			
13C2-4:2FTS	43.9		40-200			2/10/25 22:11			
13C2-6:2FTS	39.6 *		40-200		PF-18	2/10/25 22:11			
13C2-8:2FTS	41.5		40-300			2/10/25 22:11			
13C8-PFOSA	77.1		40-130			2/10/25 22:11			
D3-NMeFOSA	77.8		10-130			2/10/25 22:11			
D5-NEtFOSA	73.7		10-130			2/10/25 22:11			
D3-NMeFOSAA	60.6		40-170			2/10/25 22:11			
D5-NEtFOSAA	63.6		25-135			2/10/25 22:11			
D7-NMeFOSE	72.1		10-130			2/10/25 22:11			
D9-NEtFOSE	70.7		10-130			2/10/25 22:11			
13C3-HFPO-DA	86.1		40-130			2/10/25 22:11			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-40-23-312-20250130-2

Sampled: 1/30/2025 10:05

Sample ID: 25B0002-07

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	6.4	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
Perfluoropentanoic acid (PFPeA)	ND	3.2	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
Perfluorooctanoic acid (PFOA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
Perfluorononanoic acid (PFNA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
Perfluorodecanoic acid (PFDA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	6.4	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	6.4	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	6.4	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	16	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	16	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	6.4	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	6.4	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
9Cl-PF3ONS (F53B Minor)	ND	6.4	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
11Cl-PF3OUdS (F53B Major)	ND	6.4	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
3-Perfluoropropyl propanoic acid (FPPrPA) (3:3FTCA)	ND	8.0	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	ND	40	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
3-Perfluoroheptyl propanoic acid (FHPrPA) (7:3FTCA)	ND	40	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.2	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	3.2	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-40-23-312-20250130-2

Sampled: 1/30/2025 10:05

Sample ID: 25B0002-07

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	3.2	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.2	ng/L	1		Draft Method 1633	2/4/25	2/5/25 0:55	AMS
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
13C4-PFBA	65.8	5-130			2/5/25 0:55				
13C5-PFPeA	63.3	40-130			2/5/25 0:55				
13C5-PFHxA	64.1	40-130			2/5/25 0:55				
13C4-PFHpA	59.0	40-130			2/5/25 0:55				
13C8-PFOA	69.7	40-130			2/5/25 0:55				
13C9-PFNA	61.4	40-130			2/5/25 0:55				
13C6-PFDA	64.9	40-130			2/5/25 0:55				
13C7-PFUnA	65.5	30-130			2/5/25 0:55				
13C2-PFDoA	60.0	10-130			2/5/25 0:55				
13C2-PFTeDA	53.8	10-130			2/5/25 0:55				
13C3-PFBS	60.0	40-135			2/5/25 0:55				
13C3-PFHxS	63.1	40-130			2/5/25 0:55				
13C8-PFOS	66.0	40-130			2/5/25 0:55				
13C2-4:2FTS	46.5	40-200			2/5/25 0:55				
13C2-6:2FTS	51.6	40-200			2/5/25 0:55				
13C2-8:2FTS	51.2	40-300			2/5/25 0:55				
13C8-PFOSA	58.3	40-130			2/5/25 0:55				
D3-NMeFOSA	56.1	10-130			2/5/25 0:55				
D5-NEtFOSA	54.1	10-130			2/5/25 0:55				
D3-NMeFOSAA	56.1	40-170			2/5/25 0:55				
D5-NEtFOSAA	58.8	25-135			2/5/25 0:55				
D7-NMeFOSE	56.5	10-130			2/5/25 0:55				
D9-NEtFOSE	53.6	10-130			2/5/25 0:55				
13C3-HFPO-DA	64.3	40-130			2/5/25 0:55				

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-36-23-251-20250130-0

Sampled: 1/30/2025 12:55

Sample ID: 25B0002-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Benzene	40	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
1,1-Dichloroethane	1.0	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
1,2-Dichloroethane	2.5	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
1,1-Dichloroethylene	2.3	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
cis-1,2-Dichloroethylene	56	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-36-23-251-20250130-0

Sampled: 1/30/2025 12:55

Sample ID: 25B0002-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Tetrachloroethylene	45	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
1,1,1-Trichloroethane	1.4	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Trichloroethylene	10	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/3/25	2/5/25 4:57	EEH
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		88.8		70-130				2/5/25 4:57	
Toluene-d8		98.4		70-130				2/5/25 4:57	
4-Bromofluorobenzene		106		70-130				2/5/25 4:57	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-36-23-251-20250130-0

Sampled: 1/30/2025 12:55

Sample ID: 25B0002-08

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	7.9	0.20	µg/L	1		SW-846 8270E	2/3/25	2/7/25 22:59	GJB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
1,4-Dioxane-d8	25.3		15-110					2/7/25 22:59	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-36-23-251-20250130-0

Sampled: 1/30/2025 12:55

Sample ID: 25B0002-08

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	38	6.5	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
Perfluoropentanoic acid (PFPeA)	62	3.3	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
Perfluorohexanoic acid (PFHxA)	58	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
Perfluoroheptanoic acid (PFHpA)	43	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
Perfluorooctanoic acid (PFOA)	170	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
Perfluorononanoic acid (PFNA)	630	16	ng/L	10	D	Draft Method 1633	2/4/25	2/6/25 10:40	AB
Perfluorodecanoic acid (PFDA)	4.2	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
Perfluoroundecanoic acid (PFUnA)	8.2	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
Perfluorobutanesulfonic acid (PFBS)	7.4	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
Perfluoropentanesulfonic acid (PFPeS)	7.8	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
Perfluorohexanesulfonic acid (PFHxS)	46	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
Perfluoroheptanesulfonic acid (PFHpS)	3.1	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
Perfluorooctanesulfonic acid (PFOS)	190	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	6.5	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	50	6.5	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	15	6.5	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.6	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	16	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	16	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	6.5	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	6.5	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
9Cl-PF3ONS (F53B Minor)	ND	6.5	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
11Cl-PF3OUdS (F53B Major)	ND	6.5	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
3-Perfluoropropyl propanoic acid (FPPrPA) (3:3FTCA)	ND	8.2	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	ND	41	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
3-Perfluoroheptyl propanoic acid (FHPrPA) (7:3FTCA)	ND	41	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.3	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	3.3	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS

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Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0002

Date Received: 2/1/2025

Field Sample #: MW-CPC-36-23-251-20250130-0

Sampled: 1/30/2025 12:55

Sample ID: 25B0002-08

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	3.3	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.3	ng/L	1		Draft Method 1633	2/4/25	2/5/25 1:06	AMS
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
13C4-PFBA	85.5	5-130			2/5/25 1:06				
13C5-PFPeA	82.4	40-130			2/5/25 1:06				
13C5-PFHxA	82.9	40-130			2/5/25 1:06				
13C4-PFHpA	81.6	40-130			2/5/25 1:06				
13C8-PFOA	87.3	40-130			2/5/25 1:06				
13C9-PFNA	75.6	40-130			2/6/25 10:40				
13C6-PFDA	82.2	40-130			2/5/25 1:06				
13C7-PFUnA	78.4	30-130			2/5/25 1:06				
13C2-PFDoA	73.6	10-130			2/5/25 1:06				
13C2-PFTeDA	63.2	10-130			2/5/25 1:06				
13C3-PFBS	84.5	40-135			2/5/25 1:06				
13C3-PFHxS	83.9	40-130			2/5/25 1:06				
13C8-PFOS	81.3	40-130			2/5/25 1:06				
13C2-4:2FTS	71.3	40-200			2/5/25 1:06				
13C2-6:2FTS	69.6	40-200			2/5/25 1:06				
13C2-8:2FTS	70.7	40-300			2/5/25 1:06				
13C8-PFOSA	74.9	40-130			2/5/25 1:06				
D3-NMeFOSA	54.9	10-130			2/5/25 1:06				
D5-NEtFOSA	54.1	10-130			2/5/25 1:06				
D3-NMeFOSAA	73.8	40-170			2/5/25 1:06				
D5-NEtFOSAA	71.3	25-135			2/5/25 1:06				
D7-NMeFOSE	62.5	10-130			2/5/25 1:06				
D9-NEtFOSE	59.4	10-130			2/5/25 1:06				
13C3-HFPO-DA	82.7	40-130			2/5/25 1:06				

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Sample Extraction Data

Prep Method:EPA 1633 Analytical Method:Draft Method 1633

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25B0002-02 [MW-CPC-38-23-391-20250128-0]	B398072	508	4.00	02/04/25
25B0002-03 [MW-CPC-41-23-258-20250128-0]	B398072	512	4.00	02/04/25
25B0002-04 [MW-CPC-37-23-445-20250129-0]	B398072	500	4.00	02/04/25
25B0002-07 [MW-CPC-40-23-312-20250130-2]	B398072	500	4.00	02/04/25
25B0002-08 [MW-CPC-36-23-251-20250130-0]	B398072	490	4.00	02/04/25
25B0002-08RE1 [MW-CPC-36-23-251-20250130-0]	B398072	490	4.00	02/04/25

Prep Method:EPA 1633 Analytical Method:Draft Method 1633

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25B0002-05RE1 [MW-CPC-40-23-312-20250130-0]	B398340	529	4.00	02/07/25
25B0002-06RE1 [MW-CPC-40-23-312-20250130-1]	B398340	516	4.00	02/07/25

Prep Method:SW-846 5030B Analytical Method:SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25B0002-01 [TB-CPC-QC-20250130]	B398108	5	5.00	02/03/25
25B0002-02 [MW-CPC-38-23-391-20250128-0]	B398108	5	5.00	02/03/25
25B0002-03 [MW-CPC-41-23-258-20250128-0]	B398108	5	5.00	02/03/25
25B0002-04 [MW-CPC-37-23-445-20250129-0]	B398108	5	5.00	02/03/25
25B0002-05 [MW-CPC-40-23-312-20250130-0]	B398108	5	5.00	02/03/25
25B0002-06 [MW-CPC-40-23-312-20250130-1]	B398108	5	5.00	02/03/25
25B0002-08 [MW-CPC-36-23-251-20250130-0]	B398108	5	5.00	02/03/25

Prep Method:SW-846 3510C Analytical Method:SW-846 8270E

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25B0002-02 [MW-CPC-38-23-391-20250128-0]	B398056	1010	1.00	02/03/25
25B0002-03 [MW-CPC-41-23-258-20250128-0]	B398056	990	1.00	02/03/25
25B0002-04 [MW-CPC-37-23-445-20250129-0]	B398056	990	1.00	02/03/25
25B0002-05 [MW-CPC-40-23-312-20250130-0]	B398056	1020	1.00	02/03/25
25B0002-06 [MW-CPC-40-23-312-20250130-1]	B398056	950	1.00	02/03/25
25B0002-08 [MW-CPC-36-23-251-20250130-0]	B398056	990	1.00	02/03/25

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B398108 - SW-846 5030B

Blank (B398108-BLK1)

Prepared: 02/03/25 Analyzed: 02/04/25

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							V-05
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B398108 - SW-846 5030B										
Blank (B398108-BLK1)										
					Prepared: 02/03/25 Analyzed: 02/04/25					
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	21.3		µg/L	25.00		85.3	70-130			
Surrogate: Toluene-d8	24.6		µg/L	25.00		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	26.8		µg/L	25.00		107	70-130			
LCS (B398108-BS1)										
					Prepared: 02/03/25 Analyzed: 02/04/25					
Acetone	90.4	50	µg/L	100.0		90.4	70-160			†
Benzene	10.1	1.0	µg/L	10.00		101	70-130			
Bromochloromethane	9.61	1.0	µg/L	10.00		96.1	70-130			
Bromodichloromethane	11.6	0.50	µg/L	10.00		116	70-130			
Bromoform	11.0	1.0	µg/L	10.00		110	70-130			
Bromomethane	8.30	2.0	µg/L	10.00		83.0	40-160			†
2-Butanone (MEK)	92.4	20	µg/L	100.0		92.4	40-160			†
n-Butylbenzene	9.02	1.0	µg/L	10.00		90.2	70-130			
sec-Butylbenzene	9.19	1.0	µg/L	10.00		91.9	70-130			
tert-Butylbenzene	9.61	1.0	µg/L	10.00		96.1	70-130			
Carbon Disulfide	103	5.0	µg/L	100.0		103	70-130			
Carbon Tetrachloride	11.0	5.0	µg/L	10.00		110	70-130			
Chlorobenzene	10.7	1.0	µg/L	10.00		107	70-130			
Chlorodibromomethane	12.4	0.50	µg/L	10.00		124	70-130			
Chloroethane	9.77	2.0	µg/L	10.00		97.7	70-130			
Chloroform	10.2	2.0	µg/L	10.00		102	70-130			
Chloromethane	8.22	2.0	µg/L	10.00		82.2	40-160		V-05	†
Cyclohexane	9.33	5.0	µg/L	10.00		93.3	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.8	5.0	µg/L	10.00		108	70-130			
1,2-Dibromoethane (EDB)	12.1	0.50	µg/L	10.00		121	70-130			
1,2-Dichlorobenzene	9.98	1.0	µg/L	10.00		99.8	70-130			
1,3-Dichlorobenzene	9.80	1.0	µg/L	10.00		98.0	70-130			
1,4-Dichlorobenzene	9.72	1.0	µg/L	10.00		97.2	70-130			
Dichlorodifluoromethane (Freon 12)	9.05	2.0	µg/L	10.00		90.5	40-160			†
1,1-Dichloroethane	10.2	1.0	µg/L	10.00		102	70-130			
1,2-Dichloroethane	10.5	1.0	µg/L	10.00		105	70-130			
1,1-Dichloroethylene	9.93	1.0	µg/L	10.00		99.3	70-130			
cis-1,2-Dichloroethylene	9.93	1.0	µg/L	10.00		99.3	70-130			
trans-1,2-Dichloroethylene	10.1	1.0	µg/L	10.00		101	70-130			
1,2-Dichloropropane	10.9	1.0	µg/L	10.00		109	70-130			
cis-1,3-Dichloropropene	11.3	0.50	µg/L	10.00		113	70-130			
trans-1,3-Dichloropropene	11.8	0.50	µg/L	10.00		118	70-130			
Ethylbenzene	10.5	1.0	µg/L	10.00		105	70-130			
2-Hexanone (MBK)	109	10	µg/L	100.0		109	70-160			†
Isopropylbenzene (Cumene)	10.1	1.0	µg/L	10.00		101	70-130			
p-Isopropyltoluene (p-Cymene)	9.38	1.0	µg/L	10.00		93.8	70-130			
Methyl Acetate	9.12	1.0	µg/L	10.00		91.2	70-130			
Methyl tert-Butyl Ether (MTBE)	10.2	1.0	µg/L	10.00		102	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B398108 - SW-846 5030B										
LCS (B398108-BS1)										
					Prepared: 02/03/25 Analyzed: 02/04/25					
Methyl Cyclohexane	10.8	1.0	µg/L	10.00		108	70-130			
Methylene Chloride	9.27	5.0	µg/L	10.00		92.7	70-130			
4-Methyl-2-pentanone (MIBK)	109	10	µg/L	100.0		109	70-160			†
Naphthalene	10.8	2.0	µg/L	10.00		108	40-130			†
n-Propylbenzene	9.76	1.0	µg/L	10.00		97.6	70-130			
Styrene	9.76	1.0	µg/L	10.00		97.6	70-130			
1,1,2,2-Tetrachloroethane	10.7	0.50	µg/L	10.00		107	70-130			
Tetrachloroethylene	11.7	1.0	µg/L	10.00		117	70-130			
Toluene	11.5	1.0	µg/L	10.00		115	70-130			
1,2,3-Trichlorobenzene	11.1	5.0	µg/L	10.00		111	70-130			
1,2,4-Trichlorobenzene	10.4	1.0	µg/L	10.00		104	70-130			
1,1,1-Trichloroethane	10.9	1.0	µg/L	10.00		109	70-130			
1,1,2-Trichloroethane	11.4	1.0	µg/L	10.00		114	70-130			
Trichloroethylene	11.7	1.0	µg/L	10.00		117	70-130			
Trichlorofluoromethane (Freon 11)	11.0	2.0	µg/L	10.00		110	70-130			
1,2,3-Trichloropropane	10.7	2.0	µg/L	10.00		107	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	1.0	µg/L	10.00		100	70-130			
1,2,4-Trimethylbenzene	9.79	1.0	µg/L	10.00		97.9	70-130			
1,3,5-Trimethylbenzene	10.3	1.0	µg/L	10.00		103	70-130			
Vinyl Chloride	9.08	2.0	µg/L	10.00		90.8	40-160			†
m+p Xylene	19.9	2.0	µg/L	20.00		99.7	70-130			
o-Xylene	10.4	1.0	µg/L	10.00		104	70-130			
Xylenes (total)	30.4	1.0	µg/L	30.00		101	0-200			
Surrogate: 1,2-Dichloroethane-d4	21.0		µg/L	25.00		84.2	70-130			
Surrogate: Toluene-d8	24.6		µg/L	25.00		98.3	70-130			
Surrogate: 4-Bromofluorobenzene	25.9		µg/L	25.00		103	70-130			
LCS Dup (B398108-BSD1)										
					Prepared: 02/03/25 Analyzed: 02/04/25					
Acetone	96.7	50	µg/L	100.0		96.7	70-160	6.70	25	†
Benzene	9.79	1.0	µg/L	10.00		97.9	70-130	2.72	25	
Bromochloromethane	9.27	1.0	µg/L	10.00		92.7	70-130	3.60	25	
Bromodichloromethane	10.8	0.50	µg/L	10.00		108	70-130	6.95	25	
Bromoform	11.4	1.0	µg/L	10.00		114	70-130	3.31	25	
Bromomethane	8.11	2.0	µg/L	10.00		81.1	40-160	2.32	25	†
2-Butanone (MEK)	96.3	20	µg/L	100.0		96.3	40-160	4.17	25	†
n-Butylbenzene	9.05	1.0	µg/L	10.00		90.5	70-130	0.332	25	
sec-Butylbenzene	9.22	1.0	µg/L	10.00		92.2	70-130	0.326	25	
tert-Butylbenzene	9.40	1.0	µg/L	10.00		94.0	70-130	2.21	25	
Carbon Disulfide	101	5.0	µg/L	100.0		101	70-130	2.69	25	
Carbon Tetrachloride	11.0	5.0	µg/L	10.00		110	70-130	0.364	25	
Chlorobenzene	10.6	1.0	µg/L	10.00		106	70-130	0.655	25	
Chlorodibromomethane	11.7	0.50	µg/L	10.00		117	70-130	5.90	25	
Chloroethane	9.01	2.0	µg/L	10.00		90.1	70-130	8.09	25	
Chloroform	10.0	2.0	µg/L	10.00		100	70-130	1.69	25	
Chloromethane	7.88	2.0	µg/L	10.00		78.8	40-160	4.22	25	V-05 †
Cyclohexane	9.55	5.0	µg/L	10.00		95.5	70-130	2.33	25	
1,2-Dibromo-3-chloropropane (DBCP)	11.2	5.0	µg/L	10.00		112	70-130	3.37	25	
1,2-Dibromoethane (EDB)	12.0	0.50	µg/L	10.00		120	70-130	0.665	25	
1,2-Dichlorobenzene	9.92	1.0	µg/L	10.00		99.2	70-130	0.603	25	
1,3-Dichlorobenzene	9.40	1.0	µg/L	10.00		94.0	70-130	4.17	25	
1,4-Dichlorobenzene	9.41	1.0	µg/L	10.00		94.1	70-130	3.24	25	
Dichlorodifluoromethane (Freon 12)	9.25	2.0	µg/L	10.00		92.5	40-160	2.19	25	†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B398108 - SW-846 5030B										
LCS Dup (B398108-BSD1)										
					Prepared: 02/03/25 Analyzed: 02/04/25					
1,1-Dichloroethane	10.0	1.0	µg/L	10.00		100	70-130	2.07	25	
1,2-Dichloroethane	10.0	1.0	µg/L	10.00		100	70-130	4.58	25	
1,1-Dichloroethylene	10.0	1.0	µg/L	10.00		100	70-130	0.802	25	
cis-1,2-Dichloroethylene	10.1	1.0	µg/L	10.00		101	70-130	1.80	25	
trans-1,2-Dichloroethylene	9.95	1.0	µg/L	10.00		99.5	70-130	1.20	25	
1,2-Dichloropropane	10.5	1.0	µg/L	10.00		105	70-130	4.30	25	
cis-1,3-Dichloropropene	10.8	0.50	µg/L	10.00		108	70-130	4.26	25	
trans-1,3-Dichloropropene	11.0	0.50	µg/L	10.00		110	70-130	6.68	25	
Ethylbenzene	10.6	1.0	µg/L	10.00		106	70-130	0.0948	25	
2-Hexanone (MBK)	113	10	µg/L	100.0		113	70-160	3.88	25	†
Isopropylbenzene (Cumene)	10.1	1.0	µg/L	10.00		101	70-130	0.297	25	
p-Isopropyltoluene (p-Cymene)	9.25	1.0	µg/L	10.00		92.5	70-130	1.40	25	
Methyl Acetate	9.45	1.0	µg/L	10.00		94.5	70-130	3.55	25	
Methyl tert-Butyl Ether (MTBE)	10.3	1.0	µg/L	10.00		103	70-130	1.17	25	
Methyl Cyclohexane	10.2	1.0	µg/L	10.00		102	70-130	6.08	25	
Methylene Chloride	8.87	5.0	µg/L	10.00		88.7	70-130	4.41	25	
4-Methyl-2-pentanone (MIBK)	116	10	µg/L	100.0		116	70-160	6.24	25	†
Naphthalene	10.7	2.0	µg/L	10.00		107	40-130	0.931	25	†
n-Propylbenzene	10.0	1.0	µg/L	10.00		100	70-130	2.63	25	
Styrene	10.2	1.0	µg/L	10.00		102	70-130	4.02	25	
1,1,2,2-Tetrachloroethane	11.0	0.50	µg/L	10.00		110	70-130	2.58	25	
Tetrachloroethylene	11.5	1.0	µg/L	10.00		115	70-130	1.47	25	
Toluene	11.1	1.0	µg/L	10.00		111	70-130	3.10	25	
1,2,3-Trichlorobenzene	10.6	5.0	µg/L	10.00		106	70-130	5.17	25	
1,2,4-Trichlorobenzene	9.97	1.0	µg/L	10.00		99.7	70-130	4.70	25	
1,1,1-Trichloroethane	10.8	1.0	µg/L	10.00		108	70-130	0.925	25	
1,1,2-Trichloroethane	11.1	1.0	µg/L	10.00		111	70-130	2.83	25	
Trichloroethylene	11.6	1.0	µg/L	10.00		116	70-130	0.855	25	
Trichlorofluoromethane (Freon 11)	11.2	2.0	µg/L	10.00		112	70-130	2.08	25	
1,2,3-Trichloropropane	11.4	2.0	µg/L	10.00		114	70-130	6.42	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	1.0	µg/L	10.00		100	70-130	0.00	25	
1,2,4-Trimethylbenzene	9.41	1.0	µg/L	10.00		94.1	70-130	3.96	25	
1,3,5-Trimethylbenzene	10.4	1.0	µg/L	10.00		104	70-130	0.873	25	
Vinyl Chloride	8.84	2.0	µg/L	10.00		88.4	40-160	2.68	25	†
m+p Xylene	20.6	2.0	µg/L	20.00		103	70-130	3.35	25	
o-Xylene	10.6	1.0	µg/L	10.00		106	70-130	1.43	25	
Xylenes (total)	31.2	1.0	µg/L	30.00		104	0-200	2.69		
Surrogate: 1,2-Dichloroethane-d4	21.1		µg/L	25.00		84.5	70-130			
Surrogate: Toluene-d8	24.5		µg/L	25.00		97.9	70-130			
Surrogate: 4-Bromofluorobenzene	26.5		µg/L	25.00		106	70-130			

QUALITY CONTROL

1,4-Dioxane by isotope dilution GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B398056 - SW-846 3510C										
Blank (B398056-BLK1)										
					Prepared: 02/03/25 Analyzed: 02/07/25					
1,4-Dioxane	ND	0.20	µg/L							
Surrogate: 1,4-Dioxane-d8	2.78		µg/L	10.00		27.8	15-110			
LCS (B398056-BS1)										
					Prepared: 02/03/25 Analyzed: 02/07/25					
1,4-Dioxane	11.2	0.20	µg/L	10.00		112	40-140			
Surrogate: 1,4-Dioxane-d8	3.02		µg/L	10.00		30.2	15-110			
LCS Dup (B398056-BSD1)										
					Prepared: 02/03/25 Analyzed: 02/07/25					
1,4-Dioxane	11.4	0.20	µg/L	10.00		114	40-140	2.07	30	
Surrogate: 1,4-Dioxane-d8	2.85		µg/L	10.00		28.5	15-110			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B398072 - EPA 1633										
Blank (B398072-BLK1)										
Prepared & Analyzed: 02/04/25										
Perfluorobutanoic acid (PFBA)	ND	6.3	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	3.1	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.6	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.6	ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.6	ng/L							
Perfluorononanoic acid (PFNA)	ND	1.6	ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.6	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.6	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.6	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	1.6	ng/L							
Perfluorotetradecanoic acid (PFTeDA)	ND	1.6	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	1.6	ng/L							
Perfluoropentanesulfonic acid (PFPeS)	ND	1.6	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.6	ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.6	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.6	ng/L							
Perfluorononanesulfonic acid (PFNS)	ND	1.6	ng/L							
Perfluorodecanesulfonic acid (PFDS)	ND	1.6	ng/L							
Perfluorododecanesulfonic acid (PFDoS)	ND	1.6	ng/L							
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	6.3	ng/L							
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	6.3	ng/L							
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	6.3	ng/L							
Perfluorooctanesulfonamide (PFOSA)	ND	1.6	ng/L							
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	1.6	ng/L							
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.6	ng/L							
N-MeFOSAA (NMeFOSAA)	ND	1.6	ng/L							
N-EtFOSAA (NEtFOSAA)	ND	1.6	ng/L							
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	16	ng/L							
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	16	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	6.3	ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	6.3	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	6.3	ng/L							
11Cl-PF3OUdS (F53B Major)	ND	6.3	ng/L							
3-Perfluoropropyl propanoic acid (FPPrPA) (3:3FTCA)	ND	7.9	ng/L							
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	ND	39	ng/L							
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	39	ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.1	ng/L							
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	3.1	ng/L							
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	3.1	ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.1	ng/L							
Surrogate: 13C4-PFBA	81.6		ng/L	78.66		104	5-130			

QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B398072 - EPA 1633

Blank (B398072-BLK1)

Prepared & Analyzed: 02/04/25

Surrogate: 13C5-PFPeA	39.6		ng/L	39.33		101	40-130			
Surrogate: 13C5-PFHxA	19.7		ng/L	19.67		100	40-130			
Surrogate: 13C4-PFHpA	19.0		ng/L	19.67		96.6	40-130			
Surrogate: 13C8-PFOA	21.3		ng/L	19.67		108	40-130			
Surrogate: 13C9-PFNA	9.92		ng/L	9.833		101	40-130			
Surrogate: 13C6-PFDA	9.92		ng/L	9.833		101	40-130			
Surrogate: 13C7-PFUnA	9.55		ng/L	9.833		97.1	30-130			
Surrogate: 13C2-PFDoA	8.66		ng/L	9.833		88.1	10-130			
Surrogate: 13C2-PFTeDA	7.98		ng/L	9.833		81.1	10-130			
Surrogate: 13C3-PFBS	18.0		ng/L	19.67		91.4	40-135			
Surrogate: 13C3-PFHxS	18.9		ng/L	19.67		96.3	40-130			
Surrogate: 13C8-PFOS	19.4		ng/L	19.67		98.8	40-130			
Surrogate: 13C2-4:2FTS	40.0		ng/L	39.33		102	40-200			
Surrogate: 13C2-6:2FTS	41.4		ng/L	39.33		105	40-200			
Surrogate: 13C2-8:2FTS	39.7		ng/L	39.33		101	40-300			
Surrogate: 13C8-PFOA	18.5		ng/L	19.67		94.2	40-130			
Surrogate: D3-NMeFOSA	16.1		ng/L	19.67		81.7	10-130			
Surrogate: D5-NEtFOSA	15.8		ng/L	19.67		80.1	10-130			
Surrogate: D3-NMeFOSAA	35.7		ng/L	39.33		90.7	40-170			
Surrogate: D5-NEtFOSAA	36.6		ng/L	39.33		93.1	25-135			
Surrogate: D7-NMeFOSE	166		ng/L	196.7		84.5	10-130			
Surrogate: D9-NEtFOSE	163		ng/L	196.7		83.0	10-130			
Surrogate: 13C3-HFPO-DA	80.8		ng/L	78.66		103	40-130			

LCS (B398072-BS1)

Prepared & Analyzed: 02/04/25

Perfluorobutanoic acid (PFBA)	82.6	6.3	ng/L	78.30		105	70-140			
Perfluoropentanoic acid (PFPeA)	43.6	3.1	ng/L	39.15		111	65-135			
Perfluorohexanoic acid (PFHxA)	20.3	1.6	ng/L	19.58		104	70-145			
Perfluoroheptanoic acid (PFHpA)	19.5	1.6	ng/L	19.58		99.5	70-150			
Perfluorooctanoic acid (PFOA)	18.4	1.6	ng/L	19.58		94.0	70-150			
Perfluorononanoic acid (PFNA)	20.8	1.6	ng/L	19.58		106	70-150			
Perfluorodecanoic acid (PFDA)	21.3	1.6	ng/L	19.58		109	70-140			
Perfluoroundecanoic acid (PFUnA)	20.7	1.6	ng/L	19.58		106	70-145			
Perfluorododecanoic acid (PFDoA)	19.9	1.6	ng/L	19.58		101	70-140			
Perfluorotridecanoic acid (PFTrDA)	19.7	1.6	ng/L	19.58		101	65-140			
Perfluorotetradecanoic acid (PFTeDA)	21.8	1.6	ng/L	19.58		111	60-140			
Perfluorobutanesulfonic acid (PFBS)	17.2	1.6	ng/L	17.38		99.2	60-145			
Perfluoropentanesulfonic acid (PFPeS)	19.8	1.6	ng/L	18.40		107	65-140			
Perfluorohexanesulfonic acid (PFHxS)	18.1	1.6	ng/L	17.85		102	65-145			
Perfluoroheptanesulfonic acid (PFHpS)	21.2	1.6	ng/L	18.64		114	70-150			
Perfluorooctanesulfonic acid (PFOS)	18.9	1.6	ng/L	18.17		104	55-150			
Perfluorononanesulfonic acid (PFNS)	19.2	1.6	ng/L	18.79		102	65-145			
Perfluorodecanesulfonic acid (PFDS)	18.5	1.6	ng/L	18.87		98.0	60-145			
Perfluorododecanesulfonic acid (PFDoS)	16.0	1.6	ng/L	18.95		84.4	50-145			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	93.0	6.3	ng/L	73.37		127	70-145			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	83.1	6.3	ng/L	74.47		112	65-155			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	85.1	6.3	ng/L	75.17		113	60-150			
Perfluorooctanesulfonamide (PFOSA)	20.4	1.6	ng/L	19.58		104	70-145			
N-methyl perfluorooctanesulfonamide (NMeFOSA)	19.3	1.6	ng/L	19.58		98.7	60-150			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B398072 - EPA 1633

LCS (B398072-BS1)

Prepared & Analyzed: 02/04/25

N-ethyl perfluorooctanesulfonamide (NEtFOSA)	20.6	1.6	ng/L	19.58		105	65-145			
N-MeFOSAA (NMeFOSAA)	20.9	1.6	ng/L	19.58		107	50-140			
N-EtFOSAA (NEtFOSAA)	18.1	1.6	ng/L	19.58		92.7	70-145			
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	205	16	ng/L	195.8		105	70-145			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	203	16	ng/L	195.8		104	70-135			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	82.3	6.3	ng/L	78.30		105	70-140			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	79.9	6.3	ng/L	74.00		108	65-145			
9Cl-PF3ONS (F53B Minor)	80.7	6.3	ng/L	73.06		110	70-155			
11Cl-PF3OUdS (F53B Major)	78.3	6.3	ng/L	73.14		107	55-160			
3-Perfluoropropyl propanoic acid (FPPrPA) (3:3FTCA)	94.3	7.8	ng/L	97.88		96.3	65-130			
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA) (5:3FTCA)	505	39	ng/L	489.4		103	70-135			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	561	39	ng/L	489.4		115	50-145			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	38.2	3.1	ng/L	34.92		109	70-140			
Perfluoro-3-methoxypropanoic acid (PFMPA)	39.1	3.1	ng/L	39.15		99.9	55-140			
Perfluoro-4-methoxybutanoic acid (PFMBA)	41.3	3.1	ng/L	39.15		105	60-150			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	38.3	3.1	ng/L	39.15		97.7	50-150			
Surrogate: 13C4-PFBA	73.4		ng/L	78.30		93.7	5-130			
Surrogate: 13C5-PFPeA	35.5		ng/L	39.15		90.6	40-130			
Surrogate: 13C5-PFHxA	18.5		ng/L	19.58		94.3	40-130			
Surrogate: 13C4-PFHpA	17.5		ng/L	19.58		89.2	40-130			
Surrogate: 13C8-PFOA	19.2		ng/L	19.58		98.1	40-130			
Surrogate: 13C9-PFNA	8.75		ng/L	9.788		89.4	40-130			
Surrogate: 13C6-PFDA	9.23		ng/L	9.788		94.3	40-130			
Surrogate: 13C7-PFUnA	9.01		ng/L	9.788		92.0	30-130			
Surrogate: 13C2-PFDoA	8.36		ng/L	9.788		85.4	10-130			
Surrogate: 13C2-PFTeDA	7.45		ng/L	9.788		76.2	10-130			
Surrogate: 13C3-PFBS	17.2		ng/L	19.58		87.8	40-135			
Surrogate: 13C3-PFHxS	17.2		ng/L	19.58		87.9	40-130			
Surrogate: 13C8-PFOS	17.8		ng/L	19.58		91.0	40-130			
Surrogate: 13C2-4:2FTS	32.6		ng/L	39.15		83.4	40-200			
Surrogate: 13C2-6:2FTS	39.2		ng/L	39.15		100	40-200			
Surrogate: 13C2-8:2FTS	36.4		ng/L	39.15		93.0	40-300			
Surrogate: 13C8-PFOSA	16.3		ng/L	19.58		83.3	40-130			
Surrogate: D3-NMeFOSA	16.3		ng/L	19.58		83.1	10-130			
Surrogate: D5-NEtFOSA	15.1		ng/L	19.58		77.1	10-130			
Surrogate: D3-NMeFOSAA	33.4		ng/L	39.15		85.3	40-170			
Surrogate: D5-NEtFOSAA	32.6		ng/L	39.15		83.4	25-135			
Surrogate: D7-NMeFOSE	152		ng/L	195.8		77.9	10-130			
Surrogate: D9-NEtFOSE	147		ng/L	195.8		75.0	10-130			
Surrogate: 13C3-HFPO-DA	73.7		ng/L	78.30		94.1	40-130			

MRL Check (B398072-MRL1)

Prepared & Analyzed: 02/04/25

Perfluorobutanoic acid (PFBA)	12.5	6.3	ng/L	12.67		98.4	70-140			
Perfluoropentanoic acid (PFPeA)	6.12	3.2	ng/L	6.337		96.6	65-135			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B398072 - EPA 1633										
MRL Check (B398072-MRL1)										
Prepared & Analyzed: 02/04/25										
Perfluorohexanoic acid (PFHxA)	2.94	1.6	ng/L	3.168		92.9	70-145			
Perfluoroheptanoic acid (PFHpA)	3.04	1.6	ng/L	3.168		95.8	70-150			
Perfluorooctanoic acid (PFOA)	3.16	1.6	ng/L	3.168		99.8	70-150			
Perfluorononanoic acid (PFNA)	3.06	1.6	ng/L	3.168		96.4	70-150			
Perfluorodecanoic acid (PFDA)	3.31	1.6	ng/L	3.168		104	70-140			
Perfluoroundecanoic acid (PFUnA)	2.71	1.6	ng/L	3.168		85.5	70-145			
Perfluorododecanoic acid (PFDoA)	2.99	1.6	ng/L	3.168		94.4	70-140			
Perfluorotridecanoic acid (PFTrDA)	3.12	1.6	ng/L	3.168		98.6	65-140			
Perfluorotetradecanoic acid (PFTeDA)	3.12	1.6	ng/L	3.168		98.4	60-140			
Perfluorobutanesulfonic acid (PFBS)	2.54	1.6	ng/L	2.814		90.2	60-145			
Perfluoropentanesulfonic acid (PFPeS)	2.77	1.6	ng/L	2.978		93.1	65-140			
Perfluorohexanesulfonic acid (PFHxS)	2.49	1.6	ng/L	2.890		86.1	65-145			
Perfluoroheptanesulfonic acid (PFHpS)	2.95	1.6	ng/L	3.016		97.9	70-150			
Perfluorooctanesulfonic acid (PFOS)	2.78	1.6	ng/L	2.940		94.6	55-150			
Perfluorononanesulfonic acid (PFNS)	2.83	1.6	ng/L	3.042		93.2	65-145			
Perfluorodecanesulfonic acid (PFDS)	2.48	1.6	ng/L	3.054		81.3	60-145			
Perfluorododecanesulfonic acid (PFDoS)	2.38	1.6	ng/L	3.067		77.6	50-145			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	11.8	6.3	ng/L	11.88		99.7	70-145			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	12.5	6.3	ng/L	12.05		104	65-155			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	11.7	6.3	ng/L	12.17		96.5	60-150			
Perfluorooctanesulfonamide (PFOSA)	3.01	1.6	ng/L	3.168		94.8	70-145			
N-methyl perfluorooctanesulfonamide (NMeFOSA)	3.32	1.6	ng/L	3.168		105	60-150			
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	3.52	1.6	ng/L	3.168		111	65-145			
N-MeFOSAA (NMeFOSAA)	3.52	1.6	ng/L	3.168		111	50-140			
N-EtFOSAA (NEtFOSAA)	2.79	1.6	ng/L	3.168		88.1	70-145			
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	29.1	16	ng/L	31.68		91.7	70-145			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	28.9	16	ng/L	31.68		91.3	70-135			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	12.4	6.3	ng/L	12.67		97.8	70-140			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	11.8	6.3	ng/L	11.98		98.3	65-145			
9Cl-PF3ONS (F53B Minor)	11.8	6.3	ng/L	11.82		100	70-155			
11Cl-PF3OUdS (F53B Major)	11.0	6.3	ng/L	11.84		93.3	55-160			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	13.9	7.9	ng/L	15.84		87.5	65-130			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	71.4	40	ng/L	79.21		90.1	70-135			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	82.2	40	ng/L	79.21		104	50-145			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	5.67	3.2	ng/L	5.652		100	70-140			
Perfluoro-3-methoxypropanoic acid (PFMPA)	5.41	3.2	ng/L	6.337		85.4	55-140			
Perfluoro-4-methoxybutanoic acid (PFMBA)	5.80	3.2	ng/L	6.337		91.5	60-150			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	6.03	3.2	ng/L	6.337		95.2	50-150			
Surrogate: 13C4-PFBA	69.8		ng/L	79.21		88.1	5-130			
Surrogate: 13C5-PFPeA	34.5		ng/L	39.60		87.2	40-130			
Surrogate: 13C5-PFHxA	17.3		ng/L	19.80		87.3	40-130			

QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B398072 - EPA 1633

MRL Check (B398072-MRL1)

Prepared & Analyzed: 02/04/25

Surrogate: 13C4-PFHpA	16.3		ng/L	19.80		82.1	40-130			
Surrogate: 13C8-PFOA	18.2		ng/L	19.80		92.1	40-130			
Surrogate: 13C9-PFNA	8.08		ng/L	9.901		81.6	40-130			
Surrogate: 13C6-PFDA	7.94		ng/L	9.901		80.2	40-130			
Surrogate: 13C7-PFUnA	7.75		ng/L	9.901		78.2	30-130			
Surrogate: 13C2-PFDoA	7.04		ng/L	9.901		71.1	10-130			
Surrogate: 13C2-PFTeDA	6.26		ng/L	9.901		63.2	10-130			
Surrogate: 13C3-PFBS	15.8		ng/L	19.80		79.8	40-135			
Surrogate: 13C3-PFHxS	17.3		ng/L	19.80		87.2	40-130			
Surrogate: 13C8-PFOS	16.5		ng/L	19.80		83.4	40-130			
Surrogate: 13C2-4:2FTS	34.9		ng/L	39.60		88.1	40-200			
Surrogate: 13C2-6:2FTS	37.7		ng/L	39.60		95.3	40-200			
Surrogate: 13C2-8:2FTS	33.6		ng/L	39.60		84.9	40-300			
Surrogate: 13C8-PFOA	14.6		ng/L	19.80		73.9	40-130			
Surrogate: D3-NMeFOSA	10.6		ng/L	19.80		53.4	10-130			
Surrogate: D5-NEtFOSA	10.1		ng/L	19.80		50.8	10-130			
Surrogate: D3-NMeFOSAA	30.9		ng/L	39.60		78.1	40-170			
Surrogate: D5-NEtFOSAA	29.2		ng/L	39.60		73.6	25-135			
Surrogate: D7-NMeFOSE	124		ng/L	198.0		62.4	10-130			
Surrogate: D9-NEtFOSE	121		ng/L	198.0		61.0	10-130			
Surrogate: 13C3-HFPO-DA	67.7		ng/L	79.21		85.4	40-130			

Batch B398340 - EPA 1633

Blank (B398340-BLK1)

Prepared: 02/07/25 Analyzed: 02/10/25

Perfluorobutanoic acid (PFBA)	ND	6.3	ng/L							PF-17
Perfluoropentanoic acid (PFPeA)	ND	3.2	ng/L							PF-17
Perfluorohexanoic acid (PFHxA)	ND	1.6	ng/L							PF-17
Perfluoroheptanoic acid (PFHpA)	ND	1.6	ng/L							PF-17
Perfluorooctanoic acid (PFOA)	ND	1.6	ng/L							PF-17
Perfluorononanoic acid (PFNA)	ND	1.6	ng/L							PF-17
Perfluorodecanoic acid (PFDA)	ND	1.6	ng/L							PF-17
Perfluoroundecanoic acid (PFUnA)	ND	1.6	ng/L							PF-17
Perfluorododecanoic acid (PFDoA)	ND	1.6	ng/L							PF-17
Perfluorotridecanoic acid (PFTrDA)	ND	1.6	ng/L							PF-17
Perfluorotetradecanoic acid (PFTeDA)	ND	1.6	ng/L							PF-17
Perfluorobutanesulfonic acid (PFBS)	ND	1.6	ng/L							PF-17
Perfluoropentanesulfonic acid (PFPeS)	ND	1.6	ng/L							PF-17
Perfluorohexanesulfonic acid (PFHxS)	ND	1.6	ng/L							PF-17
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.6	ng/L							PF-17
Perfluorooctanesulfonic acid (PFOS)	ND	1.6	ng/L							PF-17
Perfluorononanesulfonic acid (PFNS)	ND	1.6	ng/L							PF-17
Perfluorodecanesulfonic acid (PFDS)	ND	1.6	ng/L							PF-17
Perfluorododecanesulfonic acid (PFDoS)	ND	1.6	ng/L							PF-17
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	6.3	ng/L							
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	6.3	ng/L							
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	6.3	ng/L							
Perfluorooctanesulfonamide (PFOSA)	ND	1.6	ng/L							PF-17
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	1.6	ng/L							PF-17

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B398340 - EPA 1633

Blank (B398340-BLK1)

Prepared: 02/07/25 Analyzed: 02/10/25

N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.6	ng/L							PF-17
N-MeFOSAA (NMeFOSAA)	ND	1.6	ng/L							
N-EtFOSAA (NEtFOSAA)	ND	1.6	ng/L							PF-17
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	16	ng/L							PF-17
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	16	ng/L							PF-17
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	6.3	ng/L							PF-17
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	6.3	ng/L							PF-17
9Cl-PF3ONS (F53B Minor)	ND	6.3	ng/L							PF-17
11Cl-PF3OUdS (F53B Major)	ND	6.3	ng/L							PF-17
3-Perfluoropropyl propanoic acid (FPPrPA) (3:3FTCA)	ND	7.9	ng/L							PF-17
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	ND	40	ng/L							PF-17
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	40	ng/L							PF-17
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEASA)	ND	3.2	ng/L							PF-17
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	3.2	ng/L							PF-17
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	3.2	ng/L							PF-17
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.2	ng/L							PF-17

Surrogate: 13C4-PFBA	124		ng/L	79.22			157 *	5-130		PF-17
Surrogate: 13C5-PFPeA	62.3		ng/L	39.61			157 *	40-130		PF-17
Surrogate: 13C5-PFHxA	31.6		ng/L	19.81			160 *	40-130		PF-17
Surrogate: 13C4-PFHpA	30.7		ng/L	19.81			155 *	40-130		PF-17
Surrogate: 13C8-PFOA	32.8		ng/L	19.81			166 *	40-130		PF-17
Surrogate: 13C9-PFNA	15.8		ng/L	9.903			160 *	40-130		PF-17
Surrogate: 13C6-PFDA	14.8		ng/L	9.903			150 *	40-130		PF-17
Surrogate: 13C7-PFUnA	14.6		ng/L	9.903			147 *	30-130		PF-17
Surrogate: 13C2-PFDoA	13.6		ng/L	9.903			138 *	10-130		PF-17
Surrogate: 13C2-PFTeDA	12.9		ng/L	9.903			130	10-130		
Surrogate: 13C3-PFBS	31.5		ng/L	19.81			159 *	40-135		PF-17
Surrogate: 13C3-PFHxS	31.3		ng/L	19.81			158 *	40-130		PF-17
Surrogate: 13C8-PFOS	30.9		ng/L	19.81			156 *	40-130		PF-17
Surrogate: 13C2-4:2FTS	67.5		ng/L	39.61			170	40-200		
Surrogate: 13C2-6:2FTS	64.3		ng/L	39.61			162	40-200		
Surrogate: 13C2-8:2FTS	60.7		ng/L	39.61			153	40-300		
Surrogate: 13C8-PFOA	30.3		ng/L	19.81			153 *	40-130		PF-17
Surrogate: D3-NMeFOSA	28.6		ng/L	19.81			145 *	10-130		PF-17
Surrogate: D5-NEtFOSA	29.3		ng/L	19.81			148 *	10-130		PF-17
Surrogate: D3-NMeFOSAA	59.3		ng/L	39.61			150	40-170		
Surrogate: D5-NEtFOSAA	62.9		ng/L	39.61			159 *	25-135		PF-17
Surrogate: D7-NMeFOSE	281		ng/L	198.1			142 *	10-130		PF-17
Surrogate: D9-NEtFOSE	275		ng/L	198.1			139 *	10-130		PF-17
Surrogate: 13C3-HFPO-DA	125		ng/L	79.22			158 *	40-130		PF-17

LCS (B398340-BS1)

Prepared: 02/07/25 Analyzed: 02/10/25

Perfluorobutanoic acid (PFBA)	82.7	6.2	ng/L	77.97		106	70-140			
Perfluoropentanoic acid (PFPeA)	41.7	3.1	ng/L	38.99		107	65-135			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B398340 - EPA 1633										
LCS (B398340-BS1)										
Prepared: 02/07/25 Analyzed: 02/10/25										
Perfluorohexanoic acid (PFHxA)	21.0	1.6	ng/L	19.49		108	70-145			
Perfluoroheptanoic acid (PFHpA)	20.4	1.6	ng/L	19.49		105	70-150			
Perfluorooctanoic acid (PFOA)	17.8	1.6	ng/L	19.49		91.4	70-150			
Perfluorononanoic acid (PFNA)	21.0	1.6	ng/L	19.49		108	70-150			
Perfluorodecanoic acid (PFDA)	20.9	1.6	ng/L	19.49		107	70-140			
Perfluoroundecanoic acid (PFUnA)	20.6	1.6	ng/L	19.49		106	70-145			
Perfluorododecanoic acid (PFDoA)	20.9	1.6	ng/L	19.49		107	70-140			
Perfluorotridecanoic acid (PFTrDA)	20.9	1.6	ng/L	19.49		107	65-140			
Perfluorotetradecanoic acid (PFTeDA)	22.1	1.6	ng/L	19.49		113	60-140			
Perfluorobutanesulfonic acid (PFBS)	18.1	1.6	ng/L	17.31		105	60-145			
Perfluoropentanesulfonic acid (PFPeS)	19.8	1.6	ng/L	18.32		108	65-140			
Perfluorohexanesulfonic acid (PFHxS)	18.1	1.6	ng/L	17.78		102	65-145			
Perfluoroheptanesulfonic acid (PFHpS)	20.6	1.6	ng/L	18.56		111	70-150			
Perfluorooctanesulfonic acid (PFOS)	18.7	1.6	ng/L	18.09		104	55-150			
Perfluorononanesulfonic acid (PFNS)	19.7	1.6	ng/L	18.71		105	65-145			
Perfluorodecanesulfonic acid (PFDS)	19.3	1.6	ng/L	18.79		103	60-145			
Perfluorododecanesulfonic acid (PFDoS)	18.1	1.6	ng/L	18.87		96.1	50-145			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	84.5	6.2	ng/L	73.06		116	70-145			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	93.1	6.2	ng/L	74.15		126	65-155			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	86.1	6.2	ng/L	74.85		115	60-150			
Perfluorooctanesulfonamide (PFOSA)	21.0	1.6	ng/L	19.49		108	70-145			
N-methyl perfluorooctanesulfonamide (NMeFOSA)	20.5	1.6	ng/L	19.49		105	60-150			
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	21.2	1.6	ng/L	19.49		109	65-145			
N-MeFOSAA (NMeFOSAA)	21.3	1.6	ng/L	19.49		109	50-140			
N-EtFOSAA (NEtFOSAA)	18.8	1.6	ng/L	19.49		96.3	70-145			
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	209	16	ng/L	194.9		107	70-145			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	205	16	ng/L	194.9		105	70-135			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	81.2	6.2	ng/L	77.97		104	70-140			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	76.0	6.2	ng/L	73.68		103	65-145			
9Cl-PF3ONS (F53B Minor)	84.7	6.2	ng/L	72.75		116	70-155			
11Cl-PF3OUdS (F53B Major)	88.5	6.2	ng/L	72.83		122	55-160			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	92.4	7.8	ng/L	97.47		94.8	65-130			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	506	39	ng/L	487.3		104	70-135			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	556	39	ng/L	487.3		114	50-145			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	39.2	3.1	ng/L	34.78		113	70-140			
Perfluoro-3-methoxypropanoic acid (PFMPA)	36.7	3.1	ng/L	38.99		94.2	55-140			
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.6	3.1	ng/L	38.99		104	60-150			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	41.4	3.1	ng/L	38.99		106	50-150			
Surrogate: 13C4-PFBA	73.4		ng/L	77.97		94.1	5-130			
Surrogate: 13C5-PFPeA	36.0		ng/L	38.99		92.3	40-130			
Surrogate: 13C5-PFHxA	18.2		ng/L	19.49		93.4	40-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B398340 - EPA 1633

LCS (B398340-BS1)

Prepared: 02/07/25 Analyzed: 02/10/25

Surrogate: 13C4-PFHpa	18.1		ng/L	19.49		92.9	40-130			
Surrogate: 13C8-PFOA	19.7		ng/L	19.49		101	40-130			
Surrogate: 13C9-PFNA	8.87		ng/L	9.747		91.0	40-130			
Surrogate: 13C6-PFDA	8.90		ng/L	9.747		91.4	40-130			
Surrogate: 13C7-PFUnA	9.23		ng/L	9.747		94.7	30-130			
Surrogate: 13C2-PFDoA	8.49		ng/L	9.747		87.1	10-130			
Surrogate: 13C2-PFTeDA	8.06		ng/L	9.747		82.7	10-130			
Surrogate: 13C3-PFBS	17.6		ng/L	19.49		90.3	40-135			
Surrogate: 13C3-PFHxS	17.5		ng/L	19.49		90.0	40-130			
Surrogate: 13C8-PFOS	17.9		ng/L	19.49		92.1	40-130			
Surrogate: 13C2-4:2FTS	36.5		ng/L	38.99		93.5	40-200			
Surrogate: 13C2-6:2FTS	35.6		ng/L	38.99		91.2	40-200			
Surrogate: 13C2-8:2FTS	34.4		ng/L	38.99		88.2	40-300			
Surrogate: 13C8-PFOA	16.8		ng/L	19.49		86.0	40-130			
Surrogate: D3-NMeFOSA	16.7		ng/L	19.49		85.9	10-130			
Surrogate: D5-NEtFOSA	16.5		ng/L	19.49		84.9	10-130			
Surrogate: D3-NMeFOSAA	37.4		ng/L	38.99		95.9	40-170			
Surrogate: D5-NEtFOSAA	37.8		ng/L	38.99		96.9	25-135			
Surrogate: D7-NMeFOSE	158		ng/L	194.9		81.2	10-130			
Surrogate: D9-NEtFOSE	157		ng/L	194.9		80.7	10-130			
Surrogate: 13C3-HFPO-DA	72.3		ng/L	77.97		92.7	40-130			

MRL Check (B398340-MRL1)

Prepared: 02/07/25 Analyzed: 02/10/25

Perfluorobutanoic acid (PFBA)	12.1	6.3	ng/L	12.65		95.7	70-140			
Perfluoropentanoic acid (PFPeA)	6.10	3.2	ng/L	6.327		96.4	65-135			
Perfluorohexanoic acid (PFHxA)	3.20	1.6	ng/L	3.164		101	70-145			
Perfluoroheptanoic acid (PFHpA)	2.96	1.6	ng/L	3.164		93.5	70-150			
Perfluorooctanoic acid (PFOA)	2.92	1.6	ng/L	3.164		92.3	70-150			
Perfluorononanoic acid (PFNA)	2.74	1.6	ng/L	3.164		86.7	70-150			
Perfluorodecanoic acid (PFDA)	3.12	1.6	ng/L	3.164		98.5	70-140			
Perfluoroundecanoic acid (PFUnA)	2.81	1.6	ng/L	3.164		88.9	70-145			
Perfluorododecanoic acid (PFDoA)	2.97	1.6	ng/L	3.164		94.0	70-140			
Perfluorotridecanoic acid (PFTrDA)	2.85	1.6	ng/L	3.164		90.0	65-140			
Perfluorotetradecanoic acid (PFTeDA)	3.13	1.6	ng/L	3.164		99.0	60-140			
Perfluorobutanesulfonic acid (PFBS)	2.57	1.6	ng/L	2.809		91.4	60-145			
Perfluoropentanesulfonic acid (PFPeS)	2.92	1.6	ng/L	2.974		98.2	65-140			
Perfluorohexanesulfonic acid (PFHxS)	2.97	1.6	ng/L	2.885		103	65-145			
Perfluoroheptanesulfonic acid (PFHpS)	2.92	1.6	ng/L	3.012		96.9	70-150			
Perfluorooctanesulfonic acid (PFOS)	2.44	1.6	ng/L	2.936		83.1	55-150			
Perfluorononanesulfonic acid (PFNS)	2.83	1.6	ng/L	3.037		93.2	65-145			
Perfluorodecanesulfonic acid (PFDS)	2.78	1.6	ng/L	3.050		91.2	60-145			
Perfluorododecanesulfonic acid (PFDoS)	3.14	1.6	ng/L	3.063		102	50-145			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	13.5	6.3	ng/L	11.86		114	70-145			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	14.0	6.3	ng/L	12.03		117	65-155			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	13.5	6.3	ng/L	12.15		111	60-150			
Perfluorooctanesulfonamide (PFOSA)	3.13	1.6	ng/L	3.164		98.8	70-145			
N-methyl perfluorooctanesulfonamide (NMeFOSA)	3.23	1.6	ng/L	3.164		102	60-150			
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	3.35	1.6	ng/L	3.164		106	65-145			
N-MeFOSAA (NMeFOSAA)	3.23	1.6	ng/L	3.164		102	50-140			

QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B398340 - EPA 1633

MRL Check (B398340-MRL1)

Prepared: 02/07/25 Analyzed: 02/10/25

N-EtFOSAA (NEtFOSAA)	2.60	1.6	ng/L	3.164		82.0	70-145			
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	30.4	16	ng/L	31.64		96.1	70-145			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	29.8	16	ng/L	31.64		94.2	70-135			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	12.4	6.3	ng/L	12.65		98.0	70-140			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	11.2	6.3	ng/L	11.96		93.4	65-145			
9Cl-PF3ONS (F53B Minor)	12.8	6.3	ng/L	11.81		109	70-155			
11Cl-PF3OUdS (F53B Major)	12.9	6.3	ng/L	11.82		109	55-160			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	13.4	7.9	ng/L	15.82		84.6	65-130			
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA) (5:3FTCA)	72.0	40	ng/L	79.09		91.1	70-135			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	79.2	40	ng/L	79.09		100	50-145			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	5.46	3.2	ng/L	5.644		96.7	70-140			
Perfluoro-3-methoxypropanoic acid (PFMPA)	5.27	3.2	ng/L	6.327		83.3	55-140			
Perfluoro-4-methoxybutanoic acid (PFMBA)	5.77	3.2	ng/L	6.327		91.3	60-150			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	5.84	3.2	ng/L	6.327		92.3	50-150			
Surrogate: 13C4-PFBA	72.4		ng/L	79.09		91.5	5-130			
Surrogate: 13C5-PFPeA	35.3		ng/L	39.55		89.3	40-130			
Surrogate: 13C5-PFHxA	18.3		ng/L	19.77		92.4	40-130			
Surrogate: 13C4-PFHpA	18.2		ng/L	19.77		91.8	40-130			
Surrogate: 13C8-PFOA	18.2		ng/L	19.77		92.2	40-130			
Surrogate: 13C9-PFNA	8.85		ng/L	9.887		89.5	40-130			
Surrogate: 13C6-PFDA	8.73		ng/L	9.887		88.3	40-130			
Surrogate: 13C7-PFUnA	8.83		ng/L	9.887		89.4	30-130			
Surrogate: 13C2-PFDoA	8.60		ng/L	9.887		87.0	10-130			
Surrogate: 13C2-PFTeDA	8.12		ng/L	9.887		82.2	10-130			
Surrogate: 13C3-PFBS	17.8		ng/L	19.77		89.8	40-135			
Surrogate: 13C3-PFHxS	17.7		ng/L	19.77		89.3	40-130			
Surrogate: 13C8-PFOS	16.9		ng/L	19.77		85.5	40-130			
Surrogate: 13C2-4:2FTS	37.2		ng/L	39.55		94.0	40-200			
Surrogate: 13C2-6:2FTS	37.1		ng/L	39.55		93.9	40-200			
Surrogate: 13C2-8:2FTS	35.7		ng/L	39.55		90.2	40-300			
Surrogate: 13C8-PFOA	16.6		ng/L	19.77		84.1	40-130			
Surrogate: D3-NMeFOSA	16.5		ng/L	19.77		83.6	10-130			
Surrogate: D5-NEtFOSA	16.2		ng/L	19.77		81.9	10-130			
Surrogate: D3-NMeFOSAA	34.9		ng/L	39.55		88.1	40-170			
Surrogate: D5-NEtFOSAA	36.8		ng/L	39.55		93.1	25-135			
Surrogate: D7-NMeFOSE	156		ng/L	197.7		79.1	10-130			
Surrogate: D9-NEtFOSE	155		ng/L	197.7		78.4	10-130			
Surrogate: 13C3-HFPO-DA	69.5		ng/L	79.09		87.9	40-130			

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
D	Sample analyzed at a dilution.
PF-17	Extracted Internal Standard recovery is outside of control limits. Data is not significantly affected since associated analyte is not detected and bias is on the high side.
PF-18	Re-analysis confirmed Extracted Internal Standard failure due to matrix effects.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>Draft Method 1633 in Water</i>	
Perfluorobutanoic acid (PFBA)	NY
Perfluoropentanoic acid (PFPeA)	NY
Perfluorohexanoic acid (PFHxA)	NY
Perfluoroheptanoic acid (PFHpA)	NY
Perfluorooctanoic acid (PFOA)	NY
Perfluorononanoic acid (PFNA)	NY
Perfluorodecanoic acid (PFDA)	NY
Perfluoroundecanoic acid (PFUnA)	NY
Perfluorododecanoic acid (PFDoA)	NY
Perfluorotridecanoic acid (PFTrDA)	NY
Perfluorotetradecanoic acid (PFTeDA)	NY
Perfluorobutanesulfonic acid (PFBS)	NY
Perfluoropentanesulfonic acid (PFPeS)	NY
Perfluorohexanesulfonic acid (PFHxS)	NY
Perfluoroheptanesulfonic acid (PFHpS)	NY
Perfluorooctanesulfonic acid (PFOS)	NY
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	NY
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	NY
N-MeFOSAA (NMeFOSAA)	NY
N-EtFOSAA (NEtFOSAA)	NY
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NY
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NY
9Cl-PF3ONS (F53B Minor)	NY
11Cl-PF3OUdS (F53B Major)	NY
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NY
Perfluoro-3-methoxypropanoic acid (PFMPA)	NY
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY
SW-846 8270E in Water	
1,4-Dioxane	NY,NH



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Pace Analytical Services, LLC - East Longmeadow, Ma, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2026
NY	New York State Department of Health	10899 NELAP	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2026
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2025

Chain of Custody / Analysis Report



Sampler(s): Rebecca Britt

(Signature) *Rebecca Britt*

Ben Oppedisano

(Signature) *Ben Oppedisano*

25B0002

Laboratory Use Only

Project Number:

Job Number:

Laboratory ID:

Lab Sample ID:

Analysis Required

Preservatives: (see key at bottom)

1 0 0

DER TCL VOCs by SW-56/8260

PFAS by 1633

1,4-Dioxane by 8270 SIM

Field Filtered? (Y / N)

Grab [G] or Composite [C]

Number of Containers

Sample Matrix (See Key)

Sample Type (See Key)

Time

Date

Sample Location

Unique Field Sample ID (sys_sample_code)

1 TB-CPC-QC-20250130

2 MW-CPC-38-23-391-20250128-0

3 MW-CPC-41-23--258-250128-0

4 MW-CPC-37-23-445-20250129-0

5 MW-CPC-40-23-312-20240130-0

6 MW-CPC-40-23-312-20240130-1

7 MW-CPC-40-23-312-20240130-2

8 MW-CPC-36-23-251-20250130-0

9

10

11

12

13

14

Laboratory:

Pace Analytical Services 39

Spruce St., East

Longmeadow, MA 01028

Attn: Kyle Murray

Phone: 413-525-2332

Contact: Michael Grifasi

Address: 333 West Washington Street

Syracuse, New York 13221-4873

Phone: (315) 956-6100

E-mail: michael.grifasi@ramboll.com

Project: NYSDEC Claremont Polychemical Site

Location: Old Bethpage, New York

Sampling

Sample Identification

Unique Field Sample ID (sys_sample_code)

Sample Location

Date

Time

Sample Type (See Key)

Sample Matrix (See Key)

Number of Containers

Grab [G] or Composite [C]

Field Filtered? (Y / N)

Preservatives: (see key at bottom)

Analysis Required

Job Number:

Laboratory ID:

Lab Sample ID:

Special Instructions: 2 coolers, custody seals 001,00A

Use the top boxes if the samples are to be shipped via courier (e.g., Fed Ex)

Relinquished by: *Rebecca Britt*

Date: 1/30/24

Time: 10:20

Relinquished by: *ABB Pace*

Date: 1/30/24

Time: 13:00

Carrier Name: *MO A Pace*

Tracking #: *MO A Pace*

Received By: *MO A Pace*

Date: 1-30-25

Time: 21:14

Condition:

Date: 1/30/25

Time: 16:23

Date: 1-30-25

Time: 19:09

Date: 1-30-25

Time: 21:14

Other comments or notes regarding condition of samples as received:

Custody Seals Intact? (If so, indicate the #, date, and time of the seal)

Cooler Temperature:

N = Normal env. sample, FD = field duplicate, EB = Equipment Blank, TB = Trip Blank, MS = Lab Matrix Spike, Other (Specify): FRB = Field Reagent Blank
SE = Sediment, SO = Soil, WG = Groundwater, WQ = Water Quality, WS = Surface Water, WW = Waste Water, WP = Potable Water, AA = Ambient Air, Other (Specify):
Preservative Code: 0 = none, 1 = HCL, 2 = HNO3, 3 = H2SO4, 4 = NaOH, 5 = Zn Acetate, 6 = MeOH, 7 = NaHSO4, 8 = Na2PO4, 9 = BenzalkoniumCl, 10 = other

Confidential 1-31-25 2315 *Emilia* 0.4 3.4 2/1/25 0245

Sample	Soils Jars (Circle Amb/Clear)			Ambers				Plastics						VOA Vials					Other / Fill in			
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	1 Liter	250ml	100ml	1 Liter	500ml	250ml						Unpreserved	HCl	MeOH	D.I. Water	BiSulfate	Col/Bact	
1					Unpreserved	HCl	Sulfuric	Unpreserved														
2					Unpreserved	Sulfuric	Phosphoric	HCl														
3					Unpreserved	Sulfuric	Sulfuric	Sulfuric														
4					Unpreserved	Sulfuric	Sulfuric	Sulfuric														
5					Unpreserved	Sulfuric	Sulfuric	Sulfuric														
6					Unpreserved	Sulfuric	Sulfuric	Sulfuric														
7					Unpreserved	Sulfuric	Sulfuric	Sulfuric														
8					Unpreserved	Sulfuric	Sulfuric	Sulfuric														
9					Unpreserved	Sulfuric	Sulfuric	Sulfuric														
10					Unpreserved	Sulfuric	Sulfuric	Sulfuric														
11					Unpreserved	Sulfuric	Sulfuric	Sulfuric														
12					Unpreserved	Sulfuric	Sulfuric	Sulfuric														
13					Unpreserved	Sulfuric	Sulfuric	Sulfuric														
14					Unpreserved	Sulfuric	Sulfuric	Sulfuric														
15					Unpreserved	Sulfuric	Sulfuric	Sulfuric														
16					Unpreserved	Sulfuric	Sulfuric	Sulfuric														
17					Unpreserved	Sulfuric	Sulfuric	Sulfuric														
18					Unpreserved	Sulfuric	Sulfuric	Sulfuric														
19					Unpreserved	Sulfuric	Sulfuric	Sulfuric														
20					Unpreserved	Sulfuric	Sulfuric	Sulfuric														

	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

February 10, 2025

Payson Long
NYDEC_Ramboll US Consulting, Inc. - Syracuse
333 West Washington Street, PO Box 4873
Syracuse, NY 13202

Project Location: Old Bethpage, NY
Client Job Number:
Project Number: 130015
Laboratory Work Order Number: 25B0233

Enclosed are results of analyses for samples as received by the laboratory on February 6, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

NYDEC_Ramboll US Consulting, Inc. - Syracuse
333 West Washington Street, PO Box 4873
Syracuse, NY 13202
ATTN: Payson Long

REPORT DATE: 2/10/2025

PURCHASE ORDER NUMBER: 151811

PROJECT NUMBER: 130015

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25B0233

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: Old Bethpage, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
DW1-CP-00-20250204	25B0233-01	Ground Water		SW-846 8260D	
OBS1-CP-00-20250204	25B0233-02	Ground Water		SW-846 8260D	
DW2-CP-00-20250204	25B0233-03	Ground Water		SW-846 8260D	
DW2-CP-01-20250204	25B0233-04	Ground Water		SW-846 8260D	
SW1-CP-00-20250204	25B0233-05	Ground Water		SW-846 8260D	
EW5-CP-00-20250204	25B0233-06	Ground Water		SW-846 8260D	
EW14D-CP-00-20250204	25B0233-07	Ground Water		SW-846 8260D	
EW11D-CP-00-20250204	25B0233-08	Ground Water		SW-846 8260D	
EW12D-CP-00-20250204	25B0233-09	Ground Water		SW-846 8260D	
EW4A-CP-00-20250204	25B0233-10	Ground Water		SW-846 8260D	
EW4B-CP-00-20250204	25B0233-11	Ground Water		SW-846 8260D	
EW4C-CP-00-20250204	25B0233-12	Ground Water		SW-846 8260D	
EW4D-CP-00-20250204	25B0233-13	Ground Water		SW-846 8260D	
WT01-CP-00-20250204	25B0233-14	Ground Water		SW-846 8260D	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8260D

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene

B398352-BS1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

1,2,3-Trichloropropane

25B0233-01[DW1-CP-00-20250204], 25B0233-02[OBS1-CP-00-20250204], 25B0233-03[DW2-CP-00-20250204], 25B0233-04[DW2-CP-01-20250204], 25B0233-05[SW1-CP-00-20250204], 25B0233-06[EW5-CP-00-20250204], 25B0233-07[EW14D-CP-00-20250204], 25B0233-08[EW 11D-CP-00-20250204], 25B0233-09[EW12D-CP-00-20250204], 25B0233-10[EW4A-CP-00-20250204], 25B0233- 11[EW4B-CP-00-20250204], 25B0233-12[EW4C-CP-00-20250204], 25B0233-13[EW4D-CP-00-20250204], 25B0233-14[WT01-CP-00-20250204], B398352-BLK1, B398352-BS1, B398352-BSD1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

25B0233-05[SW1-CP-00-20250204], 25B0233-09[EW12D-CP-00-20250204]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene

25B0233-01[DW1-CP-00-20250204], 25B0233-02[OBS1-CP-00-20250204], 25B0233-03[DW2-CP-00-20250204], 25B0233-04[DW2-CP-01-20250204], 25B0233-05[SW1-CP-00-20250204], 25B0233-06[EW5-CP-00-20250204], 25B0233-07[EW14D-CP-00-20250204], 25B0233-08[EW 11D-CP-00-20250204], 25B0233-09[EW12D-CP-00-20250204], 25B0233-10[EW4A-CP-00-20250204], 25B0233- 11[EW4B-CP-00-20250204], 25B0233-12[EW4C-CP-00-20250204], 25B0233-13[EW4D-CP-00-20250204], 25B0233-14[WT01-CP-00-20250204], B398352-BLK1, B398352-BS1, B398352-BSD1, S 117818-CCV1

1,2,4-Trichlorobenzene

25B0233-01[DW1-CP-00-20250204], 25B0233-02[OBS1-CP-00-20250204], 25B0233-03[DW2-CP-00-20250204], 25B0233-04[DW2-CP-01-20250204], 25B0233-05[SW1-CP-00-20250204], 25B0233-06[EW5-CP-00-20250204], 25B0233-07[EW14D-CP-00-20250204], 25B0233-08[EW 11D-CP-00-20250204], 25B0233-09[EW12D-CP-00-20250204], 25B0233-10[EW4A-CP-00-20250204], 25B0233- 11[EW4B-CP-00-20250204], 25B0233-12[EW4C-CP-00-20250204], 25B0233-13[EW4D-CP-00-20250204], 25B0233-14[WT01-CP-00-20250204], B398352-BLK1, B398352-BS1, B398352-BSD1, S 117818-CCV1

Naphthalene

25B0233-01[DW1-CP-00-20250204], 25B0233-02[OBS1-CP-00-20250204], 25B0233-03[DW2-CP-00-20250204], 25B0233-04[DW2-CP-01-20250204], 25B0233-05[SW1-CP-00-20250204], 25B0233-06[EW5-CP-00-20250204], 25B0233-07[EW14D-CP-00-20250204], 25B0233-08[EW 11D-CP-00-20250204], 25B0233-09[EW12D-CP-00-20250204], 25B0233-10[EW4A-CP-00-20250204], 25B0233- 11[EW4B-CP-00-20250204], 25B0233-12[EW4C-CP-00-20250204], 25B0233-13[EW4D-CP-00-20250204], 25B0233-14[WT01-CP-00-20250204], B398352-BLK1, B398352-BS1, B398352-BSD1, S 117818-CCV1

Z-01

TIC quality is less than method required 80. Analyst believes it to be a valid hit.

Analyte & Samples(s) Qualified:

Isopropyl alcohol

25B0233-01[DW1-CP-00-20250204], 25B0233-02[OBS1-CP-00-20250204], 25B0233-03[DW2-CP-00-20250204], 25B0233-05[SW1-CP-00-20250204], 25B0233-06[EW5-CP-00-20250204], 25B0233-10[EW4A-CP-00-20250204], 25B0233- 11[EW4B-CP-00-20250204], 25B0233-13[EW4D-CP-00-20250204], 25B0233-14[WT01-CP-00-20250204]



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

The results of analyses reported only relate to samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink that reads "Lisa A. Worthington". The signature is written in a cursive style and is placed on a light gray rectangular background.

Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: DW1-CP-00-20250204

Sampled: 2/4/2025 14:40

Sample ID: 25B0233-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	580	50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
cis-1,2-Dichloroethylene	1.5	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 13:24	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: DW1-CP-00-20250204

Sampled: 2/4/2025 14:40

Sample ID: 25B0233-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Tetrachloroethylene	1.6	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 13:24	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 13:24	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1	R-05	SW-846 8260D	2/6/25	2/7/25 13:24	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:24	MFF
Surrogates		% Recovery		Recovery Limits	Flag/Qual				
1,2-Dichloroethane-d4		102		70-130				2/7/25 13:24	
Toluene-d8		99.4		70-130				2/7/25 13:24	
4-Bromofluorobenzene		88.2		70-130				2/7/25 13:24	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: DW1-CP-00-20250204

Sampled: 2/4/2025 14:40

Sample ID: 25B0233-01

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	58	µg/L	1135480	2.125	1	000067-63-0	78	SW-846 8260D	2/6/25	2/7/25 13:24	MF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: OBS1-CP-00-20250204

Sampled: 2/4/2025 14:45

Sample ID: 25B0233-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	230	50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 13:50	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: OBS1-CP-00-20250204

Sampled: 2/4/2025 14:45

Sample ID: 25B0233-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 13:50	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 13:50	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1	R-05	SW-846 8260D	2/6/25	2/7/25 13:50	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 13:50	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		94.6	70-130					2/7/25 13:50	
Toluene-d8		99.4	70-130					2/7/25 13:50	
4-Bromofluorobenzene		77.9	70-130					2/7/25 13:50	



Pace Analytical Services, LLC - East Longmeadow, Ma

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Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: OBS1-CP-00-20250204

Sampled: 2/4/2025 14:45

Sample ID: 25B0233-02

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	40	µg/L	999686	2.234	1	000067-63-0	78	SW-846 8260D	2/6/25	2/7/25 13:50	MF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: DW2-CP-00-20250204

Sampled: 2/4/2025 14:55

Sample ID: 25B0233-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	250	50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
Methyl Acetate	15	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 14:17	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: DW2-CP-00-20250204

Sampled: 2/4/2025 14:55

Sample ID: 25B0233-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MF
Tetrachloroethylene	1.5	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 14:17	MF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 14:17	MF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MF
1,2,3-Trichloropropane	ND	2.0	µg/L	1	R-05	SW-846 8260D	2/6/25	2/7/25 14:17	MF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MF
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:17	MF
Surrogates		% Recovery		Recovery Limits	Flag/Qual				
1,2-Dichloroethane-d4		104		70-130				2/7/25 14:17	
Toluene-d8		100		70-130				2/7/25 14:17	
4-Bromofluorobenzene		88.4		70-130				2/7/25 14:17	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: DW2-CP-00-20250204

Sampled: 2/4/2025 14:55

Sample ID: 25B0233-03

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	28	µg/L	548018	2.236	1	000067-63-0	78	SW-846 8260D	2/6/25	2/7/25 14:17	MF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: DW2-CP-01-20250204

Sampled: 2/4/2025 14:55

Sample ID: 25B0233-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	210	50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 14:44	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: DW2-CP-01-20250204

Sampled: 2/4/2025 14:55

Sample ID: 25B0233-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MF
Tetrachloroethylene	1.8	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 14:44	MF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 14:44	MF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MF
1,2,3-Trichloropropane	ND	2.0	µg/L	1	R-05	SW-846 8260D	2/6/25	2/7/25 14:44	MF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MF
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 14:44	MF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		103	70-130					2/7/25 14:44	
Toluene-d8		99.7	70-130					2/7/25 14:44	
4-Bromofluorobenzene		92.0	70-130					2/7/25 14:44	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: DW2-CP-01-20250204

Sampled: 2/4/2025 14:55

Sample ID: 25B0233-04

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	24	µg/L	476516	2.231	1	000067-63-0	83	SW-846 8260D	2/6/25	2/7/25 14:44	MF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: SW1-CP-00-20250204

Sampled: 2/4/2025 14:55

Sample ID: 25B0233-05

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	520	250	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
Benzene	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
Bromochloromethane	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
Bromodichloromethane	ND	2.5	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
Bromoform	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
Bromomethane	ND	10	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
2-Butanone (MEK)	ND	100	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
n-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
sec-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
tert-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
Carbon Disulfide	ND	25	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
Carbon Tetrachloride	ND	25	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
Chlorobenzene	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
Chlorodibromomethane	ND	2.5	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
Chloroethane	ND	10	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
Chloroform	ND	10	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
Chloromethane	ND	10	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
Cyclohexane	ND	25	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	25	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
1,2-Dibromoethane (EDB)	ND	2.5	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
1,2-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
1,3-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
1,4-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
Dichlorodifluoromethane (Freon 12)	ND	10	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
1,1-Dichloroethane	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
1,2-Dichloroethane	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
1,1-Dichloroethylene	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
cis-1,2-Dichloroethylene	15	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
trans-1,2-Dichloroethylene	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
1,2-Dichloropropane	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
cis-1,3-Dichloropropene	ND	2.5	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
trans-1,3-Dichloropropene	ND	2.5	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
Ethylbenzene	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
2-Hexanone (MBK)	ND	50	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
Isopropylbenzene (Cumene)	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
p-Isopropyltoluene (p-Cymene)	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
Methyl Acetate	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
Methyl tert-Butyl Ether (MTBE)	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
Methyl Cyclohexane	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
Methylene Chloride	ND	25	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
4-Methyl-2-pentanone (MIBK)	ND	50	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
Naphthalene	ND	10	µg/L	5	V-05	SW-846 8260D	2/6/25	2/7/25 19:11	MFF
n-Propylbenzene	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF
Styrene	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: SW1-CP-00-20250204

Sampled: 2/4/2025 14:55

Sample ID: 25B0233-05

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	2.5	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MF
Tetrachloroethylene	320	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MF
Toluene	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MF
1,2,3-Trichlorobenzene	ND	25	µg/L	5	V-05	SW-846 8260D	2/6/25	2/7/25 19:11	MF
1,2,4-Trichlorobenzene	ND	5.0	µg/L	5	V-05	SW-846 8260D	2/6/25	2/7/25 19:11	MF
1,1,1-Trichloroethane	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MF
1,1,2-Trichloroethane	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MF
Trichloroethylene	20	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MF
Trichlorofluoromethane (Freon 11)	ND	10	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MF
1,2,3-Trichloropropane	ND	10	µg/L	5	R-05	SW-846 8260D	2/6/25	2/7/25 19:11	MF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MF
1,2,4-Trimethylbenzene	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MF
1,3,5-Trimethylbenzene	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MF
Vinyl Chloride	ND	10	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MF
m+p Xylene	ND	10	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MF
o-Xylene	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MF
Xylenes (total)	ND	5.0	µg/L	5		SW-846 8260D	2/6/25	2/7/25 19:11	MF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		104	70-130					2/7/25 19:11	
Toluene-d8		99.0	70-130					2/7/25 19:11	
4-Bromofluorobenzene		88.2	70-130					2/7/25 19:11	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: SW1-CP-00-20250204

Sampled: 2/4/2025 14:55

Sample ID: 25B0233-05

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	150	µg/L	611673	1.009	5	000067-63-0	40	SW-846 8260D	2/6/25	2/7/25 19:11	MF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: EW5-CP-00-20250204

Sampled: 2/4/2025 14:58

Sample ID: 25B0233-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	120	50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 15:10	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: EW5-CP-00-20250204

Sampled: 2/4/2025 14:58

Sample ID: 25B0233-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 15:10	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 15:10	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Trichloroethylene	1.2	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1	R-05	SW-846 8260D	2/6/25	2/7/25 15:10	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:10	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		106	70-130					2/7/25 15:10	
Toluene-d8		102	70-130					2/7/25 15:10	
4-Bromofluorobenzene		93.1	70-130					2/7/25 15:10	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: EW5-CP-00-20250204

Sampled: 2/4/2025 14:58

Sample ID: 25B0233-06

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	13	µg/L	246146	2.125	1	000067-63-0	64	SW-846 8260D	2/6/25	2/7/25 15:10	MF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: EW14D-CP-00-20250204

Sampled: 2/4/2025 15:30

Sample ID: 25B0233-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	320	50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 15:37	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: EW14D-CP-00-20250204

Sampled: 2/4/2025 15:30

Sample ID: 25B0233-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 15:37	MF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 15:37	MF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MF
Trichloroethylene	10	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MF
1,2,3-Trichloropropane	ND	2.0	µg/L	1	R-05	SW-846 8260D	2/6/25	2/7/25 15:37	MF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MF
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 15:37	MF
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		106		70-130				2/7/25 15:37	
Toluene-d8		101		70-130				2/7/25 15:37	
4-Bromofluorobenzene		94.1		70-130				2/7/25 15:37	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: EW14D-CP-00-20250204

Sampled: 2/4/2025 15:30

Sample ID: 25B0233-07

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	32	µg/L	615928	2.234	1	000067-63-0	86	SW-846 8260D	2/6/25	2/7/25 15:37	MF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: EW11D-CP-00-20250204

Sampled: 2/4/2025 16:00

Sample ID: 25B0233-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	660	50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
1,1-Dichloroethane	2.3	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
1,1-Dichloroethylene	18	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
cis-1,2-Dichloroethylene	3.3	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 18:17	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: EW11D-CP-00-20250204

Sampled: 2/4/2025 16:00

Sample ID: 25B0233-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MF
Tetrachloroethylene	35	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 18:17	MF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 18:17	MF
1,1,1-Trichloroethane	6.5	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MF
Trichloroethylene	110	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MF
1,2,3-Trichloropropane	ND	2.0	µg/L	1	R-05	SW-846 8260D	2/6/25	2/7/25 18:17	MF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MF
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 18:17	MF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		108	70-130					2/7/25 18:17	
Toluene-d8		99.7	70-130					2/7/25 18:17	
4-Bromofluorobenzene		87.7	70-130					2/7/25 18:17	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: EW11D-CP-00-20250204

Sampled: 2/4/2025 16:00

Sample ID: 25B0233-08

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	66	µg/L	1461050	2.125	1	000067-63-0	83	SW-846 8260D	2/6/25	2/7/25 18:17	MF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: EW12D-CP-00-20250204

Sampled: 2/4/2025 16:05

Sample ID: 25B0233-09

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	660	200	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
Benzene	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
Bromochloromethane	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
Bromodichloromethane	ND	2.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
Bromoform	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
Bromomethane	ND	8.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
2-Butanone (MEK)	ND	80	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
n-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
sec-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
tert-Butylbenzene	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
Carbon Disulfide	ND	20	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
Carbon Tetrachloride	ND	20	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
Chlorobenzene	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
Chlorodibromomethane	ND	2.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
Chloroethane	ND	8.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
Chloroform	ND	8.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
Chloromethane	ND	8.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
Cyclohexane	ND	20	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
1,2-Dibromoethane (EDB)	ND	2.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
1,2-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
1,3-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
1,4-Dichlorobenzene	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
Dichlorodifluoromethane (Freon 12)	ND	8.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
1,1-Dichloroethane	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
1,2-Dichloroethane	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
1,1-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
cis-1,2-Dichloroethylene	4.3	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
trans-1,2-Dichloroethylene	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
1,2-Dichloropropane	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
cis-1,3-Dichloropropene	ND	2.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
trans-1,3-Dichloropropene	ND	2.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
Ethylbenzene	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
2-Hexanone (MBK)	ND	40	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
Isopropylbenzene (Cumene)	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
p-Isopropyltoluene (p-Cymene)	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
Methyl Acetate	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
Methyl tert-Butyl Ether (MTBE)	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
Methyl Cyclohexane	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
Methylene Chloride	ND	20	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
4-Methyl-2-pentanone (MIBK)	ND	40	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
Naphthalene	ND	8.0	µg/L	4	V-05	SW-846 8260D	2/6/25	2/7/25 18:44	MFF
n-Propylbenzene	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF
Styrene	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: EW12D-CP-00-20250204

Sampled: 2/4/2025 16:05

Sample ID: 25B0233-09

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MF
Tetrachloroethylene	15	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MF
Toluene	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MF
1,2,3-Trichlorobenzene	ND	20	µg/L	4	V-05	SW-846 8260D	2/6/25	2/7/25 18:44	MF
1,2,4-Trichlorobenzene	ND	4.0	µg/L	4	V-05	SW-846 8260D	2/6/25	2/7/25 18:44	MF
1,1,1-Trichloroethane	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MF
1,1,2-Trichloroethane	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MF
Trichloroethylene	240	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MF
Trichlorofluoromethane (Freon 11)	ND	8.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MF
1,2,3-Trichloropropane	ND	8.0	µg/L	4	R-05	SW-846 8260D	2/6/25	2/7/25 18:44	MF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MF
1,2,4-Trimethylbenzene	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MF
1,3,5-Trimethylbenzene	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MF
Vinyl Chloride	ND	8.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MF
m+p Xylene	ND	8.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MF
o-Xylene	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MF
Xylenes (total)	ND	4.0	µg/L	4		SW-846 8260D	2/6/25	2/7/25 18:44	MF
Surrogates		% Recovery		Recovery Limits	Flag/Qual				
1,2-Dichloroethane-d4		102		70-130				2/7/25 18:44	
Toluene-d8		99.5		70-130				2/7/25 18:44	
4-Bromofluorobenzene		87.6		70-130				2/7/25 18:44	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: EW12D-CP-00-20250204

Sampled: 2/4/2025 16:05

Sample ID: 25B0233-09

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			4			SW-846 8260D	2/6/25	2/7/25 18:44	MF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: EW4A-CP-00-20250204

Sampled: 2/4/2025 16:15

Sample ID: 25B0233-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	520	50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
cis-1,2-Dichloroethylene	35	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 16:04	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: EW4A-CP-00-20250204

Sampled: 2/4/2025 16:15

Sample ID: 25B0233-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MF
Tetrachloroethylene	19	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 16:04	MF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 16:04	MF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MF
Trichloroethylene	2.6	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MF
1,2,3-Trichloropropane	ND	2.0	µg/L	1	R-05	SW-846 8260D	2/6/25	2/7/25 16:04	MF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MF
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:04	MF
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		106		70-130				2/7/25 16:04	
Toluene-d8		99.5		70-130				2/7/25 16:04	
4-Bromofluorobenzene		84.9		70-130				2/7/25 16:04	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: EW4A-CP-00-20250204

Sampled: 2/4/2025 16:15

Sample ID: 25B0233-10

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	52	µg/L	1009410	2.122	1	000067-63-0	78	SW-846 8260D	2/6/25	2/7/25 16:04	MF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: EW4B-CP-00-20250204

Sampled: 2/4/2025 16:16

Sample ID: 25B0233-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	200	50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 16:31	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: EW4B-CP-00-20250204

Sampled: 2/4/2025 16:16

Sample ID: 25B0233-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Tetrachloroethylene	1.1	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 16:31	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 16:31	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Trichloroethylene	1.5	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1	R-05	SW-846 8260D	2/6/25	2/7/25 16:31	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:31	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		107	70-130					2/7/25 16:31	
Toluene-d8		100	70-130					2/7/25 16:31	
4-Bromofluorobenzene		91.9	70-130					2/7/25 16:31	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: EW4B-CP-00-20250204

Sampled: 2/4/2025 16:16

Sample ID: 25B0233-11

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	63	µg/L	1205180	2.234	1	000067-63-0	78	SW-846 8260D	2/6/25	2/7/25 16:31	MF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: EW4C-CP-00-20250204

Sampled: 2/4/2025 16:17

Sample ID: 25B0233-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	400	50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 16:57	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: EW4C-CP-00-20250204

Sampled: 2/4/2025 16:17

Sample ID: 25B0233-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MF
Tetrachloroethylene	1.6	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 16:57	MF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 16:57	MF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MF
Trichloroethylene	16	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MF
1,2,3-Trichloropropane	ND	2.0	µg/L	1	R-05	SW-846 8260D	2/6/25	2/7/25 16:57	MF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MF
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 16:57	MF
Surrogates		% Recovery		Recovery Limits	Flag/Qual				
1,2-Dichloroethane-d4		105		70-130				2/7/25 16:57	
Toluene-d8		100		70-130				2/7/25 16:57	
4-Bromofluorobenzene		89.7		70-130				2/7/25 16:57	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: EW4C-CP-00-20250204

Sampled: 2/4/2025 16:17

Sample ID: 25B0233-12

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	2/6/25	2/7/25 16:57	MF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: EW4D-CP-00-20250204

Sampled: 2/4/2025 16:18

Sample ID: 25B0233-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	250	50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 17:24	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: EW4D-CP-00-20250204

Sampled: 2/4/2025 16:18

Sample ID: 25B0233-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 17:24	MF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 17:24	MF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MF
1,2,3-Trichloropropane	ND	2.0	µg/L	1	R-05	SW-846 8260D	2/6/25	2/7/25 17:24	MF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MF
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:24	MF
Surrogates		% Recovery		Recovery Limits	Flag/Qual				
1,2-Dichloroethane-d4		107		70-130				2/7/25 17:24	
Toluene-d8		98.4		70-130				2/7/25 17:24	
4-Bromofluorobenzene		88.8		70-130				2/7/25 17:24	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: EW4D-CP-00-20250204

Sampled: 2/4/2025 16:18

Sample ID: 25B0233-13

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	22	µg/L	429231	2.234	1	000067-63-0	78	SW-846 8260D	2/6/25	2/7/25 17:24	MF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: WT01-CP-00-20250204

Sampled: 2/4/2025 16:50

Sample ID: 25B0233-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	78	50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 17:51	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: WT01-CP-00-20250204

Sampled: 2/4/2025 16:50

Sample ID: 25B0233-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 17:51	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260D	2/6/25	2/7/25 17:51	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1	R-05	SW-846 8260D	2/6/25	2/7/25 17:51	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/6/25	2/7/25 17:51	MFF
Surrogates		% Recovery		Recovery Limits	Flag/Qual				
1,2-Dichloroethane-d4		106		70-130				2/7/25 17:51	
Toluene-d8		99.3		70-130				2/7/25 17:51	
4-Bromofluorobenzene		85.9		70-130				2/7/25 17:51	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0233

Date Received: 2/6/2025

Field Sample #: WT01-CP-00-20250204

Sampled: 2/4/2025 16:50

Sample ID: 25B0233-14

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	21	µg/L	452813	2.231	1	000067-63-0	78	SW-846 8260D	2/6/25	2/7/25 17:51	MF

Sample Extraction Data

Prep Method:SW-846 5030B Analytical Method:SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25B0233-01 [DW1-CP-00-20250204]	B398352	5	5.00	02/06/25
25B0233-02 [OBS1-CP-00-20250204]	B398352	5	5.00	02/06/25
25B0233-03 [DW2-CP-00-20250204]	B398352	5	5.00	02/06/25
25B0233-04 [DW2-CP-01-20250204]	B398352	5	5.00	02/06/25
25B0233-05 [SW1-CP-00-20250204]	B398352	1	5.00	02/06/25
25B0233-06 [EW5-CP-00-20250204]	B398352	5	5.00	02/06/25
25B0233-07 [EW14D-CP-00-20250204]	B398352	5	5.00	02/06/25
25B0233-08 [EW11D-CP-00-20250204]	B398352	5	5.00	02/06/25
25B0233-09 [EW12D-CP-00-20250204]	B398352	1.25	5.00	02/06/25
25B0233-10 [EW4A-CP-00-20250204]	B398352	5	5.00	02/06/25
25B0233-11 [EW4B-CP-00-20250204]	B398352	5	5.00	02/06/25
25B0233-12 [EW4C-CP-00-20250204]	B398352	5	5.00	02/06/25
25B0233-13 [EW4D-CP-00-20250204]	B398352	5	5.00	02/06/25
25B0233-14 [WT01-CP-00-20250204]	B398352	5	5.00	02/06/25

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B398352 - SW-846 5030B

Blank (B398352-BLK1)

Prepared: 02/06/25 Analyzed: 02/07/25

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							V-05
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							V-05
1,2,4-Trichlorobenzene	ND	1.0	µg/L							V-05
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B398352 - SW-846 5030B

Blank (B398352-BLK1)

Prepared: 02/06/25 Analyzed: 02/07/25

Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							R-05
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							

Surrogate: 1,2-Dichloroethane-d4	25.7		µg/L	25.00		103	70-130			
Surrogate: Toluene-d8	24.6		µg/L	25.00		98.6	70-130			
Surrogate: 4-Bromofluorobenzene	21.9		µg/L	25.00		87.7	70-130			

LCS (B398352-BS1)

Prepared: 02/06/25 Analyzed: 02/07/25

Acetone	103	50	µg/L	100.0		103	70-160			†
Benzene	10.8	1.0	µg/L	10.00		108	70-130			
Bromochloromethane	11.6	1.0	µg/L	10.00		116	70-130			
Bromodichloromethane	10.2	0.50	µg/L	10.00		102	70-130			
Bromoform	8.11	1.0	µg/L	10.00		81.1	70-130			
Bromomethane	10.9	2.0	µg/L	10.00		109	40-160			†
2-Butanone (MEK)	104	20	µg/L	100.0		104	40-160			†
n-Butylbenzene	10.9	1.0	µg/L	10.00		109	70-130			
sec-Butylbenzene	11.4	1.0	µg/L	10.00		114	70-130			
tert-Butylbenzene	11.3	1.0	µg/L	10.00		113	70-130			
Carbon Disulfide	111	5.0	µg/L	100.0		111	70-130			
Carbon Tetrachloride	10.3	5.0	µg/L	10.00		103	70-130			
Chlorobenzene	10.0	1.0	µg/L	10.00		100	70-130			
Chlorodibromomethane	9.34	0.50	µg/L	10.00		93.4	70-130			
Chloroethane	11.2	2.0	µg/L	10.00		112	70-130			
Chloroform	10.4	2.0	µg/L	10.00		104	70-130			
Chloromethane	9.20	2.0	µg/L	10.00		92.0	40-160			†
Cyclohexane	10.6	5.0	µg/L	10.00		106	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.36	5.0	µg/L	10.00		83.6	70-130			
1,2-Dibromoethane (EDB)	10.0	0.50	µg/L	10.00		100	70-130			
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.00		101	70-130			
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.00		104	70-130			
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.00		101	70-130			
Dichlorodifluoromethane (Freon 12)	9.88	2.0	µg/L	10.00		98.8	40-160			†
1,1-Dichloroethane	10.6	1.0	µg/L	10.00		106	70-130			
1,2-Dichloroethane	10.5	1.0	µg/L	10.00		105	70-130			
1,1-Dichloroethylene	10.2	1.0	µg/L	10.00		102	70-130			
cis-1,2-Dichloroethylene	10.8	1.0	µg/L	10.00		108	70-130			
trans-1,2-Dichloroethylene	10.0	1.0	µg/L	10.00		100	70-130			
1,2-Dichloropropane	10.6	1.0	µg/L	10.00		106	70-130			
cis-1,3-Dichloropropene	10.2	0.50	µg/L	10.00		102	70-130			
trans-1,3-Dichloropropene	10.7	0.50	µg/L	10.00		107	70-130			
Ethylbenzene	10.6	1.0	µg/L	10.00		106	70-130			
2-Hexanone (MBK)	91.4	10	µg/L	100.0		91.4	70-160			†
Isopropylbenzene (Cumene)	10.3	1.0	µg/L	10.00		103	70-130			
p-Isopropyltoluene (p-Cymene)	11.6	1.0	µg/L	10.00		116	70-130			
Methyl Acetate	11.1	1.0	µg/L	10.00		111	70-130			
Methyl tert-Butyl Ether (MTBE)	10.2	1.0	µg/L	10.00		102	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B398352 - SW-846 5030B										
LCS (B398352-BS1)										
					Prepared: 02/06/25 Analyzed: 02/07/25					
Methyl Cyclohexane	11.7	1.0	µg/L	10.00		117	70-130			
Methylene Chloride	9.98	5.0	µg/L	10.00		99.8	70-130			
4-Methyl-2-pentanone (MIBK)	96.9	10	µg/L	100.0		96.9	70-160			
Naphthalene	4.15	2.0	µg/L	10.00		41.5	40-130			V-05 †
n-Propylbenzene	10.1	1.0	µg/L	10.00		101	70-130			
Styrene	10.2	1.0	µg/L	10.00		102	70-130			
1,1,2,2-Tetrachloroethane	8.64	0.50	µg/L	10.00		86.4	70-130			
Tetrachloroethylene	10.2	1.0	µg/L	10.00		102	70-130			
Toluene	10.3	1.0	µg/L	10.00		103	70-130			
1,2,3-Trichlorobenzene	7.12	5.0	µg/L	10.00		71.2	70-130			V-05
1,2,4-Trichlorobenzene	6.49	1.0	µg/L	10.00		64.9 *	70-130			V-05, L-07
1,1,1-Trichloroethane	10.5	1.0	µg/L	10.00		105	70-130			
1,1,2-Trichloroethane	10.2	1.0	µg/L	10.00		102	70-130			
Trichloroethylene	10.3	1.0	µg/L	10.00		103	70-130			
Trichlorofluoromethane (Freon 11)	9.76	2.0	µg/L	10.00		97.6	70-130			
1,2,3-Trichloropropane	10.8	2.0	µg/L	10.00		108	70-130			R-05
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7	1.0	µg/L	10.00		107	70-130			
1,2,4-Trimethylbenzene	11.4	1.0	µg/L	10.00		114	70-130			
1,3,5-Trimethylbenzene	10.3	1.0	µg/L	10.00		103	70-130			
Vinyl Chloride	10.0	2.0	µg/L	10.00		100	40-160			†
m+p Xylene	20.4	2.0	µg/L	20.00		102	70-130			
o-Xylene	10.2	1.0	µg/L	10.00		102	70-130			
Xylenes (total)	30.6	1.0	µg/L	30.00		102	0-200			
Surrogate: 1,2-Dichloroethane-d4	25.2		µg/L	25.00		101	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.00		101	70-130			
Surrogate: 4-Bromofluorobenzene	23.3		µg/L	25.00		93.3	70-130			
LCS Dup (B398352-BSD1)										
					Prepared: 02/06/25 Analyzed: 02/07/25					
Acetone	101	50	µg/L	100.0		101	70-160	1.26	25	†
Benzene	9.68	1.0	µg/L	10.00		96.8	70-130	11.4	25	
Bromochloromethane	10.8	1.0	µg/L	10.00		108	70-130	7.78	25	
Bromodichloromethane	9.38	0.50	µg/L	10.00		93.8	70-130	8.77	25	
Bromoform	7.86	1.0	µg/L	10.00		78.6	70-130	3.13	25	
Bromomethane	10.1	2.0	µg/L	10.00		101	40-160	7.69	25	†
2-Butanone (MEK)	108	20	µg/L	100.0		108	40-160	4.00	25	†
n-Butylbenzene	9.97	1.0	µg/L	10.00		99.7	70-130	8.73	25	
sec-Butylbenzene	9.85	1.0	µg/L	10.00		98.5	70-130	14.2	25	
tert-Butylbenzene	9.81	1.0	µg/L	10.00		98.1	70-130	14.4	25	
Carbon Disulfide	99.1	5.0	µg/L	100.0		99.1	70-130	11.0	25	
Carbon Tetrachloride	9.13	5.0	µg/L	10.00		91.3	70-130	11.7	25	
Chlorobenzene	9.27	1.0	µg/L	10.00		92.7	70-130	7.78	25	
Chlorodibromomethane	8.93	0.50	µg/L	10.00		89.3	70-130	4.49	25	
Chloroethane	10.5	2.0	µg/L	10.00		105	70-130	6.28	25	
Chloroform	9.50	2.0	µg/L	10.00		95.0	70-130	9.24	25	
Chloromethane	7.95	2.0	µg/L	10.00		79.5	40-160	14.6	25	†
Cyclohexane	9.50	5.0	µg/L	10.00		95.0	70-130	10.8	25	
1,2-Dibromo-3-chloropropane (DBCP)	7.64	5.0	µg/L	10.00		76.4	70-130	9.00	25	
1,2-Dibromoethane (EDB)	9.75	0.50	µg/L	10.00		97.5	70-130	2.73	25	
1,2-Dichlorobenzene	9.51	1.0	µg/L	10.00		95.1	70-130	6.02	25	
1,3-Dichlorobenzene	9.48	1.0	µg/L	10.00		94.8	70-130	9.73	25	
1,4-Dichlorobenzene	9.00	1.0	µg/L	10.00		90.0	70-130	11.1	25	
Dichlorodifluoromethane (Freon 12)	8.51	2.0	µg/L	10.00		85.1	40-160	14.9	25	†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B398352 - SW-846 5030B										
LCS Dup (B398352-BSD1)										
					Prepared: 02/06/25 Analyzed: 02/07/25					
1,1-Dichloroethane	9.78	1.0	µg/L	10.00		97.8	70-130	8.33	25	
1,2-Dichloroethane	9.95	1.0	µg/L	10.00		99.5	70-130	5.47	25	
1,1-Dichloroethylene	8.74	1.0	µg/L	10.00		87.4	70-130	15.5	25	
cis-1,2-Dichloroethylene	9.65	1.0	µg/L	10.00		96.5	70-130	11.0	25	
trans-1,2-Dichloroethylene	8.91	1.0	µg/L	10.00		89.1	70-130	11.7	25	
1,2-Dichloropropane	9.79	1.0	µg/L	10.00		97.9	70-130	8.41	25	
cis-1,3-Dichloropropene	9.51	0.50	µg/L	10.00		95.1	70-130	6.81	25	
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.00		102	70-130	4.68	25	
Ethylbenzene	9.38	1.0	µg/L	10.00		93.8	70-130	11.8	25	
2-Hexanone (MBK)	102	10	µg/L	100.0		102	70-160	11.1	25	†
Isopropylbenzene (Cumene)	9.09	1.0	µg/L	10.00		90.9	70-130	12.2	25	
p-Isopropyltoluene (p-Cymene)	10.4	1.0	µg/L	10.00		104	70-130	10.4	25	
Methyl Acetate	11.2	1.0	µg/L	10.00		112	70-130	1.08	25	
Methyl tert-Butyl Ether (MTBE)	9.71	1.0	µg/L	10.00		97.1	70-130	5.22	25	
Methyl Cyclohexane	10.2	1.0	µg/L	10.00		102	70-130	13.3	25	
Methylene Chloride	9.00	5.0	µg/L	10.00		90.0	70-130	10.3	25	
4-Methyl-2-pentanone (MIBK)	102	10	µg/L	100.0		102	70-160	4.87	25	†
Naphthalene	4.60	2.0	µg/L	10.00		46.0	40-130	10.3	25	V-05 †
n-Propylbenzene	8.86	1.0	µg/L	10.00		88.6	70-130	13.4	25	
Styrene	9.26	1.0	µg/L	10.00		92.6	70-130	10.1	25	
1,1,2,2-Tetrachloroethane	8.95	0.50	µg/L	10.00		89.5	70-130	3.52	25	
Tetrachloroethylene	8.96	1.0	µg/L	10.00		89.6	70-130	12.7	25	
Toluene	9.59	1.0	µg/L	10.00		95.9	70-130	7.04	25	
1,2,3-Trichlorobenzene	7.44	5.0	µg/L	10.00		74.4	70-130	4.40	25	V-05
1,2,4-Trichlorobenzene	7.23	1.0	µg/L	10.00		72.3	70-130	10.8	25	V-05
1,1,1-Trichloroethane	9.36	1.0	µg/L	10.00		93.6	70-130	11.3	25	
1,1,2-Trichloroethane	9.54	1.0	µg/L	10.00		95.4	70-130	6.20	25	
Trichloroethylene	9.45	1.0	µg/L	10.00		94.5	70-130	8.70	25	
Trichlorofluoromethane (Freon 11)	7.99	2.0	µg/L	10.00		79.9	70-130	19.9	25	
1,2,3-Trichloropropane	8.06	2.0	µg/L	10.00		80.6	70-130	29.2 *	25	R-05
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.90	1.0	µg/L	10.00		89.0	70-130	18.7	25	
1,2,4-Trimethylbenzene	10.1	1.0	µg/L	10.00		101	70-130	12.1	25	
1,3,5-Trimethylbenzene	9.23	1.0	µg/L	10.00		92.3	70-130	10.8	25	
Vinyl Chloride	8.98	2.0	µg/L	10.00		89.8	40-160	10.7	25	†
m+p Xylene	18.3	2.0	µg/L	20.00		91.4	70-130	10.8	25	
o-Xylene	9.23	1.0	µg/L	10.00		92.3	70-130	10.2	25	
Xylenes (total)	27.5	1.0	µg/L	30.00		91.7	0-200	10.6		
Surrogate: 1,2-Dichloroethane-d4	25.0		µg/L	25.00		100	70-130			
Surrogate: Toluene-d8	25.3		µg/L	25.00		101	70-130			
Surrogate: 4-Bromofluorobenzene	24.4		µg/L	25.00		97.5	70-130			

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
Z-01	TIC quality is less than method required 80. Analyst believes it to be a valid hit.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

Pace Analytical Services, LLC - East Longmeadow, Ma, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2026
NY	New York State Department of Health	10899 NELAP	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2026
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2025

February 11, 2025

Payson Long
NYDEC_Ramboll US Consulting, Inc. - Syracuse
333 West Washington Street, PO Box 4873
Syracuse, NY 13202

Project Location: Old Bethpage, New York
Client Job Number:
Project Number: 130015
Laboratory Work Order Number: 25B0234

Enclosed are results of analyses for samples as received by the laboratory on February 6, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

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Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

NYDEC_Ramboll US Consulting, Inc. - Syracuse
333 West Washington Street, PO Box 4873
Syracuse, NY 13202
ATTN: Payson Long

REPORT DATE: 2/11/2025

PURCHASE ORDER NUMBER: 151811

PROJECT NUMBER: 130015

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25B0234

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: Old Bethpage, New York

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW6B-CP-00-20250205	25B0234-01	Ground Water		SW-846 8260D	
MW6C-CP-00-20250205	25B0234-02	Ground Water		SW-846 8260D	
MW6D-CP-00-20250205	25B0234-03	Ground Water		SW-846 8260D	
MW6D-CP-01-20250205	25B0234-04	Ground Water		SW-846 8260D	
MW6E-CP-00-20250205	25B0234-05	Ground Water		SW-846 8260D	
MW6F-CP-00-20250205	25B0234-06	Ground Water		SW-846 8260D	
MW8A-CP-00-20250205	25B0234-07	Ground Water		SW-846 8260D	
MW8B-CP-00-20250205	25B0234-08	Ground Water		SW-846 8260D	
MW8C-CP-00-20250205	25B0234-09	Ground Water		SW-846 8260D	
MW11A-CP-00-20250205	25B0234-10	Ground Water		SW-846 8260D	
MW11B-CP-00-20250205	25B0234-11	Ground Water		SW-846 8260D	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8260D

Qualifications:

Z-01

Library match is <80%, but peak is valid based on analyst interpretation.

Analyte & Samples(s) Qualified:

Isopropyl alcohol

25B0234-03[MW6D-CP-00-20250205], 25B0234-04[MW6D-CP-01-20250205], 25B0234-05[MW6E-CP-00-20250205], 25B0234-07[MW8A-CP-00-20250205],
25B0234-08[MW8B-CP-00-20250205], 25B0234-09[MW8C-CP-00-20250205], 25B0234-10[MW 11A-CP-00-20250205], 25B0234-11[MW11B-CP-00-20250205]

The results of analyses reported only relate to samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW6B-CP-00-20250205

Sampled: 2/5/2025 07:30

Sample ID: 25B0234-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	95	50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Chlorobenzene	3.2	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
1,4-Dichlorobenzene	1.2	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Isopropylbenzene (Cumene)	1.4	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW6B-CP-00-20250205

Sampled: 2/5/2025 07:30

Sample ID: 25B0234-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 10:41	LBD
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		85.4		70-130				2/7/25 10:41	
Toluene-d8		99.0		70-130				2/7/25 10:41	
4-Bromofluorobenzene		101		70-130				2/7/25 10:41	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW6B-CP-00-20250205

Sampled: 2/5/2025 07:30

Sample ID: 25B0234-01

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	80	µg/L	1053410	2.016	1	000067-63-0	83	SW-846 8260D	2/7/25	2/7/25 10:41	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW6C-CP-00-20250205

Sampled: 2/5/2025 07:31

Sample ID: 25B0234-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	69	50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Chlorobenzene	1.5	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
1,4-Dichlorobenzene	1.1	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW6C-CP-00-20250205

Sampled: 2/5/2025 07:31

Sample ID: 25B0234-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:07	LBD
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		87.8		70-130				2/7/25 11:07	
Toluene-d8		97.1		70-130				2/7/25 11:07	
4-Bromofluorobenzene		99.7		70-130				2/7/25 11:07	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW6C-CP-00-20250205

Sampled: 2/5/2025 07:31

Sample ID: 25B0234-02

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	46	µg/L	610121	2.016	1	000067-63-0	86	SW-846 8260D	2/7/25	2/7/25 11:07	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW6D-CP-00-20250205

Sampled: 2/5/2025 07:32

Sample ID: 25B0234-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
1,4-Dichlorobenzene	1.2	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Isopropylbenzene (Cumene)	1.5	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW6D-CP-00-20250205

Sampled: 2/5/2025 07:32

Sample ID: 25B0234-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:33	LBD
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		86.6		70-130				2/7/25 11:33	
Toluene-d8		97.6		70-130				2/7/25 11:33	
4-Bromofluorobenzene		100		70-130				2/7/25 11:33	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW6D-CP-00-20250205

Sampled: 2/5/2025 07:32

Sample ID: 25B0234-03

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	43	µg/L	580230	2.019	1	000067-63-0	78	SW-846 8260D	2/7/25	2/7/25 11:33	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW6D-CP-01-20250205

Sampled: 2/5/2025 07:32

Sample ID: 25B0234-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
1,4-Dichlorobenzene	1.2	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Isopropylbenzene (Cumene)	1.5	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW6D-CP-01-20250205

Sampled: 2/5/2025 07:32

Sample ID: 25B0234-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 11:59	LBD
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		85.4		70-130				2/7/25 11:59	
Toluene-d8		97.7		70-130				2/7/25 11:59	
4-Bromofluorobenzene		99.3		70-130				2/7/25 11:59	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW6D-CP-01-20250205

Sampled: 2/5/2025 07:32

Sample ID: 25B0234-04

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	40	µg/L	524161	2.016	1	000067-63-0	78	SW-846 8260D	2/7/25	2/7/25 11:59	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW6E-CP-00-20250205

Sampled: 2/5/2025 07:33

Sample ID: 25B0234-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	100	50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Chlorobenzene	2.3	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW6E-CP-00-20250205

Sampled: 2/5/2025 07:33

Sample ID: 25B0234-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:25	LBD
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		88.0		70-130				2/7/25 12:25	
Toluene-d8		98.0		70-130				2/7/25 12:25	
4-Bromofluorobenzene		101		70-130				2/7/25 12:25	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW6E-CP-00-20250205

Sampled: 2/5/2025 07:33

Sample ID: 25B0234-05

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	47	µg/L	592070	2.016	1	000067-63-0	78	SW-846 8260D	2/7/25	2/7/25 12:25	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW6F-CP-00-20250205

Sampled: 2/5/2025 07:34

Sample ID: 25B0234-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	510	50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW6F-CP-00-20250205

Sampled: 2/5/2025 07:34

Sample ID: 25B0234-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 12:51	LBD
Surrogates		% Recovery		Recovery Limits	Flag/Qual				
1,2-Dichloroethane-d4		88.0		70-130				2/7/25 12:51	
Toluene-d8		98.2		70-130				2/7/25 12:51	
4-Bromofluorobenzene		101		70-130				2/7/25 12:51	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW6F-CP-00-20250205

Sampled: 2/5/2025 07:34

Sample ID: 25B0234-06

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	92	µg/L	1218830	2.016	1	000067-63-0	83	SW-846 8260D	2/7/25	2/7/25 12:51	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW8A-CP-00-20250205

Sampled: 2/5/2025 07:15

Sample ID: 25B0234-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	210	50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW8A-CP-00-20250205

Sampled: 2/5/2025 07:15

Sample ID: 25B0234-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Tetrachloroethylene	7.2	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:17	LBD
Surrogates		% Recovery		Recovery Limits	Flag/Qual				
1,2-Dichloroethane-d4		88.2		70-130				2/7/25 13:17	
Toluene-d8		96.8		70-130				2/7/25 13:17	
4-Bromofluorobenzene		99.9		70-130				2/7/25 13:17	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW8A-CP-00-20250205

Sampled: 2/5/2025 07:15

Sample ID: 25B0234-07

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	68	µg/L	851029	2.016	1	000067-63-0	78	SW-846 8260D	2/7/25	2/7/25 13:17	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW8B-CP-00-20250205

Sampled: 2/5/2025 07:16

Sample ID: 25B0234-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	200	50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW8B-CP-00-20250205

Sampled: 2/5/2025 07:16

Sample ID: 25B0234-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 13:43	LBD
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		88.6	70-130					2/7/25 13:43	
Toluene-d8		97.4	70-130					2/7/25 13:43	
4-Bromofluorobenzene		101	70-130					2/7/25 13:43	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW8B-CP-00-20250205

Sampled: 2/5/2025 07:16

Sample ID: 25B0234-08

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	130	µg/L	1692800	2.016	1	000067-63-0	78	SW-846 8260D	2/7/25	2/7/25 13:43	LBD



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW8C-CP-00-20250205

Sampled: 2/5/2025 07:17

Sample ID: 25B0234-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	250	50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW8C-CP-00-20250205

Sampled: 2/5/2025 07:17

Sample ID: 25B0234-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:10	LBD
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		84.8		70-130				2/7/25 14:10	
Toluene-d8		97.5		70-130				2/7/25 14:10	
4-Bromofluorobenzene		101		70-130				2/7/25 14:10	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW8C-CP-00-20250205

Sampled: 2/5/2025 07:17

Sample ID: 25B0234-09

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	110	µg/L	1516630	2.013	1	000067-63-0	78	SW-846 8260D	2/7/25	2/7/25 14:10	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW11A-CP-00-20250205

Sampled: 2/5/2025 10:25

Sample ID: 25B0234-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	170	50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Dichlorodifluoromethane (Freon 12)	3.3	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
1,1-Dichloroethane	8.2	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
cis-1,2-Dichloroethylene	68	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW11A-CP-00-20250205

Sampled: 2/5/2025 10:25

Sample ID: 25B0234-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Tetrachloroethylene	7.4	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Trichloroethylene	7.0	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:31	LBD
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		85.5	70-130					2/7/25 18:31	
Toluene-d8		97.4	70-130					2/7/25 18:31	
4-Bromofluorobenzene		99.4	70-130					2/7/25 18:31	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW11A-CP-00-20250205

Sampled: 2/5/2025 10:25

Sample ID: 25B0234-10

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	120	µg/L	1495470	2.01	1	000067-63-0	78	SW-846 8260D	2/7/25	2/7/25 18:31	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW11B-CP-00-20250205

Sampled: 2/5/2025 10:27

Sample ID: 25B0234-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	98	50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Benzene	1.7	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Dichlorodifluoromethane (Freon 12)	2.8	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
1,1-Dichloroethane	17	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
1,2-Dichloroethane	1.6	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
1,1-Dichloroethylene	2.0	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
cis-1,2-Dichloroethylene	30	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW11B-CP-00-20250205

Sampled: 2/5/2025 10:27

Sample ID: 25B0234-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Tetrachloroethylene	5.9	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
1,1,1-Trichloroethane	2.7	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Trichloroethylene	6.1	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Vinyl Chloride	2.5	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 14:36	LBD
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		86.5	70-130					2/7/25 14:36	
Toluene-d8		98.2	70-130					2/7/25 14:36	
4-Bromofluorobenzene		99.9	70-130					2/7/25 14:36	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0234

Date Received: 2/6/2025

Field Sample #: MW11B-CP-00-20250205

Sampled: 2/5/2025 10:27

Sample ID: 25B0234-11

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	75	µg/L	945478	2.013	1	000067-63-0	78	SW-846 8260D	2/7/25	2/7/25 14:36	LBD

Sample Extraction Data

Prep Method:SW-846 5030B Analytical Method:SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25B0234-01 [MW6B-CP-00-20250205]	B398412	5	5.00	02/07/25
25B0234-02 [MW6C-CP-00-20250205]	B398412	5	5.00	02/07/25
25B0234-03 [MW6D-CP-00-20250205]	B398412	5	5.00	02/07/25
25B0234-04 [MW6D-CP-01-20250205]	B398412	5	5.00	02/07/25
25B0234-05 [MW6E-CP-00-20250205]	B398412	5	5.00	02/07/25
25B0234-06 [MW6F-CP-00-20250205]	B398412	5	5.00	02/07/25
25B0234-07 [MW8A-CP-00-20250205]	B398412	5	5.00	02/07/25
25B0234-08 [MW8B-CP-00-20250205]	B398412	5	5.00	02/07/25
25B0234-09 [MW8C-CP-00-20250205]	B398412	5	5.00	02/07/25
25B0234-10 [MW11A-CP-00-20250205]	B398412	5	5.00	02/07/25
25B0234-11 [MW11B-CP-00-20250205]	B398412	5	5.00	02/07/25

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B398412 - SW-846 5030B

Blank (B398412-BLK1)

Prepared & Analyzed: 02/07/25

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B398412 - SW-846 5030B										
Blank (B398412-BLK1)										
Prepared & Analyzed: 02/07/25										
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	21.9		µg/L	25.00		87.5	70-130			
Surrogate: Toluene-d8	24.4		µg/L	25.00		97.7	70-130			
Surrogate: 4-Bromofluorobenzene	24.9		µg/L	25.00		99.6	70-130			
LCS (B398412-BS1)										
Prepared & Analyzed: 02/07/25										
Acetone	84.8	50	µg/L	100.0		84.8	70-160			†
Benzene	9.26	1.0	µg/L	10.00		92.6	70-130			
Bromochloromethane	9.97	1.0	µg/L	10.00		99.7	70-130			
Bromodichloromethane	10.1	0.50	µg/L	10.00		101	70-130			
Bromoform	10.4	1.0	µg/L	10.00		104	70-130			
Bromomethane	10.4	2.0	µg/L	10.00		104	40-160			†
2-Butanone (MEK)	86.0	20	µg/L	100.0		86.0	40-160			†
n-Butylbenzene	9.36	1.0	µg/L	10.00		93.6	70-130			
sec-Butylbenzene	9.47	1.0	µg/L	10.00		94.7	70-130			
tert-Butylbenzene	9.62	1.0	µg/L	10.00		96.2	70-130			
Carbon Disulfide	92.7	5.0	µg/L	100.0		92.7	70-130			
Carbon Tetrachloride	8.35	5.0	µg/L	10.00		83.5	70-130			
Chlorobenzene	10.5	1.0	µg/L	10.00		105	70-130			
Chlorodibromomethane	10.4	0.50	µg/L	10.00		104	70-130			
Chloroethane	9.07	2.0	µg/L	10.00		90.7	70-130			
Chloroform	9.06	2.0	µg/L	10.00		90.6	70-130			
Chloromethane	8.61	2.0	µg/L	10.00		86.1	40-160			†
Cyclohexane	9.11	5.0	µg/L	10.00		91.1	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.45	5.0	µg/L	10.00		84.5	70-130			
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.00		104	70-130			
1,2-Dichlorobenzene	9.88	1.0	µg/L	10.00		98.8	70-130			
1,3-Dichlorobenzene	10.0	1.0	µg/L	10.00		100	70-130			
1,4-Dichlorobenzene	9.95	1.0	µg/L	10.00		99.5	70-130			
Dichlorodifluoromethane (Freon 12)	8.94	2.0	µg/L	10.00		89.4	40-160			†
1,1-Dichloroethane	9.40	1.0	µg/L	10.00		94.0	70-130			
1,2-Dichloroethane	10.1	1.0	µg/L	10.00		101	70-130			
1,1-Dichloroethylene	9.06	1.0	µg/L	10.00		90.6	70-130			
cis-1,2-Dichloroethylene	9.27	1.0	µg/L	10.00		92.7	70-130			
trans-1,2-Dichloroethylene	8.92	1.0	µg/L	10.00		89.2	70-130			
1,2-Dichloropropane	10.3	1.0	µg/L	10.00		103	70-130			
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.00		101	70-130			
trans-1,3-Dichloropropene	9.92	0.50	µg/L	10.00		99.2	70-130			
Ethylbenzene	10.1	1.0	µg/L	10.00		101	70-130			
2-Hexanone (MBK)	98.3	10	µg/L	100.0		98.3	70-160			†
Isopropylbenzene (Cumene)	10.2	1.0	µg/L	10.00		102	70-130			
p-Isopropyltoluene (p-Cymene)	9.68	1.0	µg/L	10.00		96.8	70-130			
Methyl Acetate	8.36	1.0	µg/L	10.00		83.6	70-130			
Methyl tert-Butyl Ether (MTBE)	9.31	1.0	µg/L	10.00		93.1	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B398412 - SW-846 5030B										
LCS (B398412-BS1)										
Prepared & Analyzed: 02/07/25										
Methyl Cyclohexane	9.99	1.0	µg/L	10.00		99.9	70-130			
Methylene Chloride	9.00	5.0	µg/L	10.00		90.0	70-130			
4-Methyl-2-pentanone (MIBK)	101	10	µg/L	100.0		101	70-160			†
Naphthalene	9.57	2.0	µg/L	10.00		95.7	40-130			†
n-Propylbenzene	10.0	1.0	µg/L	10.00		100	70-130			
Styrene	10.4	1.0	µg/L	10.00		104	70-130			
1,1,2,2-Tetrachloroethane	9.92	0.50	µg/L	10.00		99.2	70-130			
Tetrachloroethylene	11.0	1.0	µg/L	10.00		110	70-130			
Toluene	10.2	1.0	µg/L	10.00		102	70-130			
1,2,3-Trichlorobenzene	10.2	5.0	µg/L	10.00		102	70-130			
1,2,4-Trichlorobenzene	10.3	1.0	µg/L	10.00		103	70-130			
1,1,1-Trichloroethane	9.08	1.0	µg/L	10.00		90.8	70-130			
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.00		105	70-130			
Trichloroethylene	10.1	1.0	µg/L	10.00		101	70-130			
Trichlorofluoromethane (Freon 11)	8.99	2.0	µg/L	10.00		89.9	70-130			
1,2,3-Trichloropropane	10.5	2.0	µg/L	10.00		105	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.13	1.0	µg/L	10.00		91.3	70-130			
1,2,4-Trimethylbenzene	9.70	1.0	µg/L	10.00		97.0	70-130			
1,3,5-Trimethylbenzene	10.2	1.0	µg/L	10.00		102	70-130			
Vinyl Chloride	9.09	2.0	µg/L	10.00		90.9	40-160			†
m+p Xylene	20.0	2.0	µg/L	20.00		100	70-130			
o-Xylene	10.2	1.0	µg/L	10.00		102	70-130			
Xylenes (total)	30.2	1.0	µg/L	30.00		101	0-200			
Surrogate: 1,2-Dichloroethane-d4	22.2		µg/L	25.00		88.6	70-130			
Surrogate: Toluene-d8	25.0		µg/L	25.00		100	70-130			
Surrogate: 4-Bromofluorobenzene	25.1		µg/L	25.00		100	70-130			
LCS Dup (B398412-BSD1)										
Prepared & Analyzed: 02/07/25										
Acetone	87.6	50	µg/L	100.0		87.6	70-160	3.31	25	†
Benzene	9.77	1.0	µg/L	10.00		97.7	70-130	5.36	25	
Bromochloromethane	10.0	1.0	µg/L	10.00		100	70-130	0.799	25	
Bromodichloromethane	10.7	0.50	µg/L	10.00		107	70-130	6.15	25	
Bromoform	11.0	1.0	µg/L	10.00		110	70-130	5.15	25	
Bromomethane	12.1	2.0	µg/L	10.00		121	40-160	14.7	25	†
2-Butanone (MEK)	87.6	20	µg/L	100.0		87.6	40-160	1.85	25	†
n-Butylbenzene	10.0	1.0	µg/L	10.00		100	70-130	7.11	25	
sec-Butylbenzene	10.0	1.0	µg/L	10.00		100	70-130	5.84	25	
tert-Butylbenzene	10.2	1.0	µg/L	10.00		102	70-130	6.05	25	
Carbon Disulfide	98.3	5.0	µg/L	100.0		98.3	70-130	5.80	25	
Carbon Tetrachloride	9.03	5.0	µg/L	10.00		90.3	70-130	7.83	25	
Chlorobenzene	11.1	1.0	µg/L	10.00		111	70-130	5.39	25	
Chlorodibromomethane	10.2	0.50	µg/L	10.00		102	70-130	1.85	25	
Chloroethane	9.78	2.0	µg/L	10.00		97.8	70-130	7.53	25	
Chloroform	9.66	2.0	µg/L	10.00		96.6	70-130	6.41	25	
Chloromethane	9.27	2.0	µg/L	10.00		92.7	40-160	7.38	25	†
Cyclohexane	9.56	5.0	µg/L	10.00		95.6	70-130	4.82	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.98	5.0	µg/L	10.00		89.8	70-130	6.08	25	
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.00		106	70-130	1.81	25	
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.00		104	70-130	4.84	25	
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.00		106	70-130	5.73	25	
1,4-Dichlorobenzene	10.3	1.0	µg/L	10.00		103	70-130	3.55	25	
Dichlorodifluoromethane (Freon 12)	9.41	2.0	µg/L	10.00		94.1	40-160	5.12	25	†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B398412 - SW-846 5030B										
LCS Dup (B398412-BSD1)										
Prepared & Analyzed: 02/07/25										
1,1-Dichloroethane	9.65	1.0	µg/L	10.00		96.5	70-130	2.62	25	
1,2-Dichloroethane	10.2	1.0	µg/L	10.00		102	70-130	0.493	25	
1,1-Dichloroethylene	9.57	1.0	µg/L	10.00		95.7	70-130	5.48	25	
cis-1,2-Dichloroethylene	9.81	1.0	µg/L	10.00		98.1	70-130	5.66	25	
trans-1,2-Dichloroethylene	9.50	1.0	µg/L	10.00		95.0	70-130	6.30	25	
1,2-Dichloropropane	10.8	1.0	µg/L	10.00		108	70-130	4.36	25	
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.00		105	70-130	3.30	25	
trans-1,3-Dichloropropene	9.91	0.50	µg/L	10.00		99.1	70-130	0.101	25	
Ethylbenzene	10.7	1.0	µg/L	10.00		107	70-130	5.19	25	
2-Hexanone (MBK)	100	10	µg/L	100.0		100	70-160	1.76	25	†
Isopropylbenzene (Cumene)	10.9	1.0	µg/L	10.00		109	70-130	6.43	25	
p-Isopropyltoluene (p-Cymene)	10.3	1.0	µg/L	10.00		103	70-130	6.01	25	
Methyl Acetate	7.74	1.0	µg/L	10.00		77.4	70-130	7.70	25	
Methyl tert-Butyl Ether (MTBE)	9.54	1.0	µg/L	10.00		95.4	70-130	2.44	25	
Methyl Cyclohexane	10.5	1.0	µg/L	10.00		105	70-130	4.79	25	
Methylene Chloride	9.45	5.0	µg/L	10.00		94.5	70-130	4.88	25	
4-Methyl-2-pentanone (MIBK)	104	10	µg/L	100.0		104	70-160	2.52	25	†
Naphthalene	9.88	2.0	µg/L	10.00		98.8	40-130	3.19	25	†
n-Propylbenzene	10.7	1.0	µg/L	10.00		107	70-130	6.46	25	
Styrene	10.9	1.0	µg/L	10.00		109	70-130	4.99	25	
1,1,2,2-Tetrachloroethane	10.3	0.50	µg/L	10.00		103	70-130	3.37	25	
Tetrachloroethylene	11.3	1.0	µg/L	10.00		113	70-130	2.59	25	
Toluene	10.6	1.0	µg/L	10.00		106	70-130	4.05	25	
1,2,3-Trichlorobenzene	10.6	5.0	µg/L	10.00		106	70-130	4.71	25	
1,2,4-Trichlorobenzene	10.6	1.0	µg/L	10.00		106	70-130	2.67	25	
1,1,1-Trichloroethane	9.70	1.0	µg/L	10.00		97.0	70-130	6.60	25	
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.00		106	70-130	1.70	25	
Trichloroethylene	10.9	1.0	µg/L	10.00		109	70-130	7.41	25	
Trichlorofluoromethane (Freon 11)	9.32	2.0	µg/L	10.00		93.2	70-130	3.60	25	
1,2,3-Trichloropropane	11.1	2.0	µg/L	10.00		111	70-130	5.66	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.50	1.0	µg/L	10.00		95.0	70-130	3.97	25	
1,2,4-Trimethylbenzene	10.2	1.0	µg/L	10.00		102	70-130	5.22	25	
1,3,5-Trimethylbenzene	11.0	1.0	µg/L	10.00		110	70-130	7.28	25	
Vinyl Chloride	9.57	2.0	µg/L	10.00		95.7	40-160	5.14	25	†
m+p Xylene	21.0	2.0	µg/L	20.00		105	70-130	4.87	25	
o-Xylene	10.7	1.0	µg/L	10.00		107	70-130	5.46	25	
Xylenes (total)	31.8	1.0	µg/L	30.00		106	0-200	5.07		
Surrogate: 1,2-Dichloroethane-d4	21.9		µg/L	25.00		87.8	70-130			
Surrogate: Toluene-d8	25.0		µg/L	25.00		100	70-130			
Surrogate: 4-Bromofluorobenzene	25.6		µg/L	25.00		103	70-130			



Pace Analytical Services, LLC - East Longmeadow, Ma

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QUALITY CONTROL

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B398412 - SW-846 5030B

Blank (B398412-BLK1)

Prepared & Analyzed: 02/07/25

No TICs Found	0.0		µg/L							
---------------	-----	--	------	--	--	--	--	--	--	--

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
Z-01	Library match is <80%, but peak is valid based on analyst interpretation.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

Pace Analytical Services, LLC - East Longmeadow, Ma, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2026
NY	New York State Department of Health	10899 NELAP	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2026
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2025



Sampler(s): Rebecca Britt
 (Signature) *Rebecca Britt*

Project Number: 25B0234

Lab: Michael Grifasi
 Address: 333 West Washington Street
 Syracuse, New York 13221-4873
 Phone: (315) 956-6100
 E-mail: michael.grifasi@ramboll.com
 Project: NYSDEC Claremont Polychemical Site Q1 Sampling
 Location: Old Bethpage, New York

Holding Time: 7:30 AM
 Package Requirement: Level 2 and Level 3
 EDD Format: EQUIS 4-file

Unique Field Sample ID (sys_sample_code)	Sample Identification		Date	Time	Sample Type (See Key)	Sample Matrix (See Key)	Number of Containers	Grab [g] or Composite [C]	Field Filtered? (Y / N)	Preservatives: (see key at bottom)	Analysis Required	Lab Sample ID:
	Sample Location	Time										
1	MW6B-CP-00-20250205	MW-6B	2/5/2025	7:30	N	WG	3	G	N	X		
2	MW6C-CP-00-20250205	MW-6C	2/5/2025	7:31	N	WG	3	G	N	X		
3	MW6D-CP-00-20250205	MW-6D	2/5/2025	7:32	N	WG	3	G	N	X		
4	MW6D-CP-01-20250205	MW-6D	2/5/2025	7:32	FD	WG	3	G	N	X		
5	MW6E-CP-00-20250205	MW-6E	2/5/2025	7:33	N	WG	3	G	N	X		
6	MW6F-CP-00-20250205	MW-6F	2/5/2025	7:34	N	WG	3	G	N	X		
7	MW8A-CP-00-20250205	MW-8A	2/5/2025	7:15	N	WG	3	G	N	X		
8	MW8B-CP-00-20250205	MW-8B	2/5/2025	7:16	N	WG	3	G	N	X		
9	MW8C-CP-00-20250205	MW-8C	2/5/2025	7:17	N	WG	3	G	N	X		
10	MW11A-CP-00-20250205	MW-11A	2/5/2025	10:25	N	WG	3	G	N	X		
11	MW11B-CP-00-20250205	MW-11B	2/5/2025	10:27	N	WG	3	G	N	X		
12												
13												
14												

Special Instructions: 2 coolers, 1 for DRAs samples

Use the top boxes if the samples are to be shipped via courier (e.g., Fed Ex)

Relinquished by: *Michael Grifasi* Ramboll

Of: _____

Ref: _____

Off: _____

Co: _____

Tr: _____

By: _____

Name: MO A Pace

g #: _____

Type: _____

Matrix: _____

Preservative Code: _____

Condition: _____

Date: 2-5-25

Time: 11:36

Courier Name: MO A Pace

Tracking #: _____

Received By: _____

Date: 2/5/25


Time: 18:00

Custody Seals Intact? (if so, indicate the #, date, and time of the seal)

Cooler Temperature: 0.5 (W)

Other comments or notes regarding condition of samples as received:

N = Normal env. sample, FD = field duplicate, EB = Equipment Blank, TB = Trip Blank, MS = Lab Matrix Spike, Other (Specify): FRB = Field Reagent Blank
 SE = Sediment, SO = Soil, WG = Groundwater, WO = Water Quality, WS = Surface Water, WW = Waste Water, WP = Potable Water, AA = Ambient Air, Other (Specify):
 Preservative Code: 0 = none, 1 = HCL, 2 = HNO3, 3 = H2SO4, 4 = NaOH, 5 = Zn Acetate, 6 = MeOH, 7 = NaHSO4, 8 = Na2PO4, 9 = BenzalkoniumCl, 10 = other

	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	Sample					
																				Soils Jars <small>(Circle Amb/Clear)</small>					
																					16oz Amb/Clear	Soils Jars <small>(Circle Amb/Clear)</small>			
																							8oz Amb/Clear		
																							4oz Amb/Clear		
																							2oz Amb/Clear		
																						Unpreserved	Ambers		
																						HCL		1 Liter	
																						Sulfuric		250ml	
																						Sulfuric			
																						Phosphoric	100ml		
																						HCl			
																						Unpreserved	1 Liter		
																						Unpreserved			
																						Sulfuric	500ml		
																						Unpreserved			
																						Sulfuric	Plastics 250ml		
																						Unpreserved			
																						Trizma			
																						Sulfuric			
																						Nitric			
																						NaOH			
																						Ammonium Acetate			
																						NaOH/Zinc			
																						Unpreserved	VOA Vials		
																						HCl			
																						MeOH			
																						D.I. Water			
																						BiSulfate			
																							Col/Bact	Other / Fill in	

February 19, 2025

Payson Long
NYDEC_Ramboll US Consulting, Inc. - Syracuse
333 West Washington Street, PO Box 4873
Syracuse, NY 13202

Project Location: Old Bethpage, NY
Client Job Number:
Project Number: 130015
Laboratory Work Order Number: 25B0235

Enclosed are results of analyses for samples as received by the laboratory on February 6, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

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NYDEC_Ramboll US Consulting, Inc. - Syracuse
333 West Washington Street, PO Box 4873
Syracuse, NY 13202
ATTN: Payson Long

REPORT DATE: 2/19/2025

PURCHASE ORDER NUMBER: 151811

PROJECT NUMBER: 130015

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25B0235

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: Old Bethpage, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TB-CPC-QC-20250204	25B0235-01	Trip Blank Water		SW-846 8260D	
MW-CPC-39-23-374-20250204-00	25B0235-02	Ground Water		Draft Method 1633 SW-846 8260D SW-846 8270E	
MW7BR-CP-00-20250204	25B0235-03	Ground Water		SW-846 8260D	
BP3A-CP-00-20250204	25B0235-04	Ground Water		SW-846 8260D	
BP3B-CP-00-20250204	25B0235-05	Ground Water		SW-846 8260D	
BP3C-CP-00-20250204	25B0235-06	Ground Water		SW-846 8260D	
MW10D-CP-00-20250204	25B0235-07	Ground Water		SW-846 8260D	
EW2A-CP-00-20250204	25B0235-08	Ground Water		SW-846 8260D	
EW2B-CP-00-20250204	25B0235-09	Ground Water		SW-846 8260D	
EW2C-CP-00-20250204	25B0235-10	Ground Water		SW-846 8260D	
EW2D-CP-00-20250204	25B0235-11	Ground Water		SW-846 8260D	
MW5B-CP-00-20250204	25B0235-12	Ground Water		SW-846 8260D	
MW9B-CP-00-20250204	25B0235-13	Ground Water		SW-846 8260D	
MW9C-CP-00-20250204	25B0235-14	Ground Water		SW-846 8260D	



CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Draft Method 1633

Qualifications:

PF-17
Extracted Internal Standard recovery is outside of control limits. Data is not significantly affected since associated analyte is not detected and bias is on the high side.

Analyte & Samples(s) Qualified:

11Cl-PF3OUdS (F53B Major)

B398893-BLK1

13C5-PFHxA

B398893-BLK1

13C6-PFDA

B398893-BLK1

13C7-PFUnA

B398893-BLK1

13C8-PFOA

B398893-BLK1

13C8-PFOS

B398893-BLK1

2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FT

B398893-BLK1

9Cl-PF3ONS (F53B Minor)

B398893-BLK1

D5-NEtFOSAA

B398893-BLK1

N-EtFOSAA (NEtFOSAA)

B398893-BLK1

Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)

B398893-BLK1

Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)

B398893-BLK1

Perfluorodecanesulfonic acid (PFDS)

B398893-BLK1

Perfluorodecanoic acid (PFDA)

B398893-BLK1

Perfluorododecanesulfonic acid (PFDoS)

B398893-BLK1

Perfluoroheptanesulfonic acid (PFHpS)

B398893-BLK1

Perfluorohexanoic acid (PFHxA)

B398893-BLK1

Perfluorononanesulfonic acid (PFNS)

B398893-BLK1

Perfluorooctanesulfonic acid (PFOS)

B398893-BLK1

Perfluorooctanoic acid (PFOA)

B398893-BLK1

Perfluoroundecanoic acid (PFUnA)

B398893-BLK1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FT)

S118122-CCV3

SW-846 8260D

Qualifications:

**RL-11**

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

25B0235-07[MW10D-CP-00-20250204]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:**Bromomethane**

25B0235-10[EW2C-CP-00-20250204], 25B0235-11[EW2D-CP-00-20250204], 25B0235-12[MW5B-CP-00-20250204], 25B0235-13[MW9B-CP-00-20250204],
25B0235-14[MW9C-CP-00-20250204], B398413-BLK1, B398413-BS1, B398413-BSD1, S117847-CCV1

Chloromethane

25B0235-10[EW2C-CP-00-20250204], 25B0235-11[EW2D-CP-00-20250204], 25B0235-12[MW5B-CP-00-20250204], 25B0235-13[MW9B-CP-00-20250204],
25B0235-14[MW9C-CP-00-20250204], B398413-BLK1, B398413-BS1, B398413-BSD1, S117847-CCV1

Z-01

Library match is <80%, but peak is valid based on analyst interpretation.

Analyte & Samples(s) Qualified:**Isopropyl alcohol**

25B0235-03[MW7BR-CP-00-20250204], 25B0235-04[BP3A-CP-00-20250204], 25B0235-05[BP3B-CP-00-20250204], 25B0235-06[BP3C-CP-00-20250204],
25B0235-08[EW2A-CP-00-20250204]

Z-01a

TIC quality is less than method required 80. Analyst believes it to be a valid hit.

Analyte & Samples(s) Qualified:**Isopropyl alcohol**

25B0235-11[EW2D-CP-00-20250204], 25B0235-12[MW5B-CP-00-20250204], 25B0235-14[MW9C-CP-00-20250204]

The results of analyses reported only relate to samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: TB-CPC-QC-20250204

Sampled: 2/4/2025 08:00

Sample ID: 25B0235-01

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: TB-CPC-QC-20250204

Sampled: 2/4/2025 08:00

Sample ID: 25B0235-01

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:02	LBD
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		87.8	70-130				2/7/25	15:02	
Toluene-d8		98.1	70-130				2/7/25	15:02	
4-Bromofluorobenzene		98.8	70-130				2/7/25	15:02	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: TB-CPC-QC-20250204

Sampled: 2/4/2025 08:00

Sample ID: 25B0235-01

Sample Matrix: Trip Blank Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	2/7/25	2/7/25 15:02	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: MW-CPC-39-23-374-20250204-00

Sampled: 2/4/2025 09:25

Sample ID: 25B0235-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: MW-CPC-39-23-374-20250204-00

Sampled: 2/4/2025 09:25

Sample ID: 25B0235-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:28	LBD
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		86.9	70-130					2/7/25 15:28	
Toluene-d8		97.6	70-130					2/7/25 15:28	
4-Bromofluorobenzene		99.6	70-130					2/7/25 15:28	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: MW-CPC-39-23-374-20250204-00

Sampled: 2/4/2025 09:25

Sample ID: 25B0235-02

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	2/7/25	2/7/25 15:28	LBD



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: MW-CPC-39-23-374-20250204-00

Sampled: 2/4/2025 09:25

Sample ID: 25B0235-02

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	µg/L	1		SW-846 8270E	2/6/25	2/12/25 0:00	GJB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,4-Dioxane-d8	30.6	15-110			2/12/25 0:00				

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: MW-CPC-39-23-374-20250204-00

Sampled: 2/4/2025 09:25

Sample ID: 25B0235-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	6.2	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
Perfluoropentanoic acid (PFPeA)	ND	3.1	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.5	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.5	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
Perfluorooctanoic acid (PFOA)	ND	1.5	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
Perfluorononanoic acid (PFNA)	ND	1.5	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
Perfluorodecanoic acid (PFDA)	ND	1.5	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.5	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.5	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
Perfluorotridecanoic acid (PFTrDA)	ND	1.5	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
Perfluorotetradecanoic acid (PFTeDA)	ND	1.5	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.5	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.5	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.5	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.5	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.5	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
Perfluorononanesulfonic acid (PFNS)	ND	1.5	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
Perfluorodecanesulfonic acid (PFDS)	ND	1.5	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
Perfluorododecanesulfonic acid (PFDoS)	ND	1.5	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	6.2	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	6.2	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	6.2	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
Perfluorooctanesulfonamide (PFOSA)	ND	1.5	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	1.5	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.5	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
N-MeFOSAA (NMeFOSAA)	ND	1.5	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
N-EtFOSAA (NEtFOSAA)	ND	1.5	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	15	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	15	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	6.2	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	6.2	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
9Cl-PF3ONS (F53B Minor)	ND	6.2	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
11Cl-PF3OUdS (F53B Major)	ND	6.2	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
3-Perfluoropropyl propanoic acid (FPPrPA) (3:3FTCA)	ND	7.7	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	ND	39	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
3-Perfluoroheptyl propanoic acid (FHPrPA) (7:3FTCA)	ND	39	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.1	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	3.1	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: MW-CPC-39-23-374-20250204-00

Sampled: 2/4/2025 09:25

Sample ID: 25B0235-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	3.1	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.1	ng/L	1		Draft Method 1633	2/14/25	2/17/25 16:33	QNW
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
13C4-PFBA	92.8	5-130			2/17/25 16:33				
13C5-PFPeA	90.1	40-130			2/17/25 16:33				
13C5-PFHxA	96.1	40-130			2/17/25 16:33				
13C4-PFHpA	90.4	40-130			2/17/25 16:33				
13C8-PFOA	115	40-130			2/17/25 16:33				
13C9-PFNA	94.2	40-130			2/17/25 16:33				
13C6-PFDA	94.9	40-130			2/17/25 16:33				
13C7-PFUnA	99.3	30-130			2/17/25 16:33				
13C2-PFD _o A	88.0	10-130			2/17/25 16:33				
13C2-PFTeDA	83.8	10-130			2/17/25 16:33				
13C3-PFBS	94.7	40-135			2/17/25 16:33				
13C3-PFHxS	95.1	40-130			2/17/25 16:33				
13C8-PFOS	94.2	40-130			2/17/25 16:33				
13C2-4:2FTS	98.4	40-200			2/17/25 16:33				
13C2-6:2FTS	91.9	40-200			2/17/25 16:33				
13C2-8:2FTS	82.9	40-300			2/17/25 16:33				
13C8-PFOSA	86.4	40-130			2/17/25 16:33				
D3-NMeFOSA	77.9	10-130			2/17/25 16:33				
D5-NEtFOSA	75.9	10-130			2/17/25 16:33				
D3-NMeFOSAA	94.3	40-170			2/17/25 16:33				
D5-NEtFOSAA	89.7	25-135			2/17/25 16:33				
D7-NMeFOSE	78.5	10-130			2/17/25 16:33				
D9-NEtFOSE	76.0	10-130			2/17/25 16:33				
13C3-HFPO-DA	89.7	40-130			2/17/25 16:33				

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: MW7BR-CP-00-20250204

Sampled: 2/4/2025 11:55

Sample ID: 25B0235-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	320	50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: MW7BR-CP-00-20250204

Sampled: 2/4/2025 11:55

Sample ID: 25B0235-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Tetrachloroethylene	1.3	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Trichloroethylene	35	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 15:54	LBD
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		86.9		70-130				2/7/25 15:54	
Toluene-d8		97.3		70-130				2/7/25 15:54	
4-Bromofluorobenzene		99.2		70-130				2/7/25 15:54	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: MW7BR-CP-00-20250204

Sampled: 2/4/2025 11:55

Sample ID: 25B0235-03

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	33	µg/L	418524	2.013	1	000067-63-0	78	SW-846 8260D	2/7/25	2/7/25 15:54	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: BP3A-CP-00-20250204

Sampled: 2/4/2025 12:10

Sample ID: 25B0235-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	53	50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: BP3A-CP-00-20250204

Sampled: 2/4/2025 12:10

Sample ID: 25B0235-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:20	LBD
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		87.0	70-130					2/7/25 16:20	
Toluene-d8		97.4	70-130					2/7/25 16:20	
4-Bromofluorobenzene		100	70-130					2/7/25 16:20	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: BP3A-CP-00-20250204

Sampled: 2/4/2025 12:10

Sample ID: 25B0235-04

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	63	µg/L	805137	2.01	1	000067-63-0	78	SW-846 8260D	2/7/25	2/7/25 16:20	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: BP3B-CP-00-20250204

Sampled: 2/4/2025 12:12

Sample ID: 25B0235-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	240	50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
1,1-Dichloroethane	1.6	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
cis-1,2-Dichloroethylene	5.6	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: BP3B-CP-00-20250204

Sampled: 2/4/2025 12:12

Sample ID: 25B0235-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Tetrachloroethylene	6.4	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 16:46	LBD
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		88.2		70-130				2/7/25 16:46	
Toluene-d8		97.2		70-130				2/7/25 16:46	
4-Bromofluorobenzene		100		70-130				2/7/25 16:46	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: BP3B-CP-00-20250204

Sampled: 2/4/2025 12:12

Sample ID: 25B0235-05

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	34	µg/L	419197	2.013	1	000067-63-0	78	SW-846 8260D	2/7/25	2/7/25 16:46	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: BP3C-CP-00-20250204

Sampled: 2/4/2025 12:15

Sample ID: 25B0235-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	72	50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
cis-1,2-Dichloroethylene	3.8	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: BP3C-CP-00-20250204

Sampled: 2/4/2025 12:15

Sample ID: 25B0235-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Tetrachloroethylene	9.1	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:13	LBD
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		88.2		70-130				2/7/25 17:13	
Toluene-d8		97.2		70-130				2/7/25 17:13	
4-Bromofluorobenzene		99.3		70-130				2/7/25 17:13	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: BP3C-CP-00-20250204

Sampled: 2/4/2025 12:15

Sample ID: 25B0235-06

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	72	µg/L	940928	2.01	1	000067-63-0	78	SW-846 8260D	2/7/25	2/7/25 17:13	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: MW10D-CP-00-20250204

Sampled: 2/4/2025 13:30

Sample ID: 25B0235-07

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	360	100	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Benzene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Bromochloromethane	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Bromodichloromethane	ND	1.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Bromoform	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Bromomethane	ND	4.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
2-Butanone (MEK)	ND	40	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
n-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
sec-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
tert-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Carbon Disulfide	ND	10	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Carbon Tetrachloride	ND	10	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Chlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Chlorodibromomethane	ND	1.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Chloroethane	ND	4.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Chloroform	ND	4.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Chloromethane	ND	4.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Cyclohexane	ND	10	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Dichlorodifluoromethane (Freon 12)	ND	4.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
1,1-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
1,2-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
1,1-Dichloroethylene	4.7	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
cis-1,2-Dichloroethylene	5.0	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
1,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
cis-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Ethylbenzene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
2-Hexanone (MBK)	ND	20	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Isopropylbenzene (Cumene)	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
p-Isopropyltoluene (p-Cymene)	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Methyl Acetate	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Methyl Cyclohexane	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Methylene Chloride	ND	10	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
4-Methyl-2-pentanone (MIBK)	ND	20	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Naphthalene	ND	4.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
n-Propylbenzene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Styrene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: MW10D-CP-00-20250204

Sampled: 2/4/2025 13:30

Sample ID: 25B0235-07

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Tetrachloroethylene	16	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Toluene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
1,2,3-Trichlorobenzene	ND	10	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
1,1,1-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Trichloroethylene	140	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Trichlorofluoromethane (Freon 11)	ND	4.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
1,2,3-Trichloropropane	ND	4.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
1,2,4-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
1,3,5-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Vinyl Chloride	ND	4.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
m+p Xylene	ND	4.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
o-Xylene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Xylenes (total)	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/7/25 18:57	LBD
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		85.4		70-130				2/7/25 18:57	
Toluene-d8		99.0		70-130				2/7/25 18:57	
4-Bromofluorobenzene		99.1		70-130				2/7/25 18:57	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: MW10D-CP-00-20250204

Sampled: 2/4/2025 13:30

Sample ID: 25B0235-07

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	47	µg/L	288402	2.01	2	000067-63-0	90	SW-846 8260D	2/7/25	2/7/25 18:57	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: EW2A-CP-00-20250204

Sampled: 2/4/2025 14:00

Sample ID: 25B0235-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	340	50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: EW2A-CP-00-20250204

Sampled: 2/4/2025 14:00

Sample ID: 25B0235-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 17:39	LBD
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		89.1		70-130				2/7/25 17:39	
Toluene-d8		97.8		70-130				2/7/25 17:39	
4-Bromofluorobenzene		99.6		70-130				2/7/25 17:39	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: EW2A-CP-00-20250204

Sampled: 2/4/2025 14:00

Sample ID: 25B0235-08

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	6.2	µg/L	77371	2.01	1	000067-63-0	64	SW-846 8260D	2/7/25	2/7/25 17:39	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: EW2B-CP-00-20250204

Sampled: 2/4/2025 14:01

Sample ID: 25B0235-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: EW2B-CP-00-20250204

Sampled: 2/4/2025 14:01

Sample ID: 25B0235-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 18:05	LBD
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		86.9		70-130				2/7/25 18:05	
Toluene-d8		98.2		70-130				2/7/25 18:05	
4-Bromofluorobenzene		98.5		70-130				2/7/25 18:05	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: EW2B-CP-00-20250204

Sampled: 2/4/2025 14:01

Sample ID: 25B0235-09

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	8.5	µg/L	106042	2.01	1	000067-63-0	80	SW-846 8260D	2/7/25	2/7/25 18:05	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: EW2C-CP-00-20250204

Sampled: 2/4/2025 14:02

Sample ID: 25B0235-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	460	50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/7/25 22:49	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: EW2C-CP-00-20250204

Sampled: 2/4/2025 14:02

Sample ID: 25B0235-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Trichloroethylene	1.9	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 22:49	EEH
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		98.8	70-130					2/7/25 22:49	
Toluene-d8		95.8	70-130					2/7/25 22:49	
4-Bromofluorobenzene		98.2	70-130					2/7/25 22:49	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: EW2C-CP-00-20250204

Sampled: 2/4/2025 14:02

Sample ID: 25B0235-10

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	2/7/25	2/7/25 22:49	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: EW2D-CP-00-20250204

Sampled: 2/4/2025 14:03

Sample ID: 25B0235-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	140	50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/7/25 23:15	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: EW2D-CP-00-20250204

Sampled: 2/4/2025 14:03

Sample ID: 25B0235-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:15	EEH
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		100		70-130				2/7/25 23:15	
Toluene-d8		97.6		70-130				2/7/25 23:15	
4-Bromofluorobenzene		99.7		70-130				2/7/25 23:15	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: EW2D-CP-00-20250204

Sampled: 2/4/2025 14:03

Sample ID: 25B0235-11

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	68	µg/L	1248910	1.618	1	000067-63-0	78	SW-846 8260D	2/7/25	2/7/25 23:15	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: MW5B-CP-00-20250204

Sampled: 2/4/2025 14:30

Sample ID: 25B0235-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	400	50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/7/25 23:40	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: MW5B-CP-00-20250204

Sampled: 2/4/2025 14:30

Sample ID: 25B0235-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/7/25 23:40	EEH
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		98.4		70-130				2/7/25 23:40	
Toluene-d8		99.2		70-130				2/7/25 23:40	
4-Bromofluorobenzene		99.8		70-130				2/7/25 23:40	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: MW5B-CP-00-20250204

Sampled: 2/4/2025 14:30

Sample ID: 25B0235-12

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	51	µg/L	917348	1.618	1	000067-63-0	64	SW-846 8260D	2/7/25	2/7/25 23:40	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: MW9B-CP-00-20250204

Sampled: 2/4/2025 11:05

Sample ID: 25B0235-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	860	50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 0:06	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: MW9B-CP-00-20250204

Sampled: 2/4/2025 11:05

Sample ID: 25B0235-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:06	EEH
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		101		70-130				2/8/25 0:06	
Toluene-d8		97.7		70-130				2/8/25 0:06	
4-Bromofluorobenzene		99.5		70-130				2/8/25 0:06	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: MW9B-CP-00-20250204

Sampled: 2/4/2025 11:05

Sample ID: 25B0235-13

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	2/7/25	2/8/25 0:06	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: MW9C-CP-00-20250204

Sampled: 2/4/2025 11:07

Sample ID: 25B0235-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	110	50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 0:31	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: MW9C-CP-00-20250204

Sampled: 2/4/2025 11:07

Sample ID: 25B0235-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:31	EEH
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		101		70-130				2/8/25 0:31	
Toluene-d8		94.7		70-130				2/8/25 0:31	
4-Bromofluorobenzene		99.7		70-130				2/8/25 0:31	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, NY

Sample Description:

Work Order: 25B0235

Date Received: 2/6/2025

Field Sample #: MW9C-CP-00-20250204

Sampled: 2/4/2025 11:07

Sample ID: 25B0235-14

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	25	µg/L	450573	1.62	1	000067-63-0	78	SW-846 8260D	2/7/25	2/8/25 0:31	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method:EPA 1633 Analytical Method:Draft Method 1633

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25B0235-02RE1 [MW-CPC-39-23-374-20250204-00]	B398893	518	4.00	02/14/25

Prep Method:SW-846 5030B Analytical Method:SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25B0235-01 [TB-CPC-QC-20250204]	B398412	5	5.00	02/07/25
25B0235-02 [MW-CPC-39-23-374-20250204-00]	B398412	5	5.00	02/07/25
25B0235-03 [MW7BR-CP-00-20250204]	B398412	5	5.00	02/07/25
25B0235-04 [BP3A-CP-00-20250204]	B398412	5	5.00	02/07/25
25B0235-05 [BP3B-CP-00-20250204]	B398412	5	5.00	02/07/25
25B0235-06 [BP3C-CP-00-20250204]	B398412	5	5.00	02/07/25
25B0235-07 [MW10D-CP-00-20250204]	B398412	2.5	5.00	02/07/25
25B0235-08 [EW2A-CP-00-20250204]	B398412	5	5.00	02/07/25
25B0235-09 [EW2B-CP-00-20250204]	B398412	5	5.00	02/07/25

Prep Method:SW-846 5030B Analytical Method:SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25B0235-10 [EW2C-CP-00-20250204]	B398413	5	5.00	02/07/25
25B0235-11 [EW2D-CP-00-20250204]	B398413	5	5.00	02/07/25
25B0235-12 [MW5B-CP-00-20250204]	B398413	5	5.00	02/07/25
25B0235-13 [MW9B-CP-00-20250204]	B398413	5	5.00	02/07/25
25B0235-14 [MW9C-CP-00-20250204]	B398413	5	5.00	02/07/25

Prep Method:SW-846 3510C Analytical Method:SW-846 8270E

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25B0235-02 [MW-CPC-39-23-374-20250204-00]	B398373	990	1.00	02/06/25

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B398412 - SW-846 5030B

Blank (B398412-BLK1)

Prepared & Analyzed: 02/07/25

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B398412 - SW-846 5030B										
Blank (B398412-BLK1)										
Prepared & Analyzed: 02/07/25										
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	21.9		µg/L	25.00		87.5	70-130			
Surrogate: Toluene-d8	24.4		µg/L	25.00		97.7	70-130			
Surrogate: 4-Bromofluorobenzene	24.9		µg/L	25.00		99.6	70-130			
LCS (B398412-BS1)										
Prepared & Analyzed: 02/07/25										
Acetone	84.8	50	µg/L	100.0		84.8	70-160			†
Benzene	9.26	1.0	µg/L	10.00		92.6	70-130			
Bromochloromethane	9.97	1.0	µg/L	10.00		99.7	70-130			
Bromodichloromethane	10.1	0.50	µg/L	10.00		101	70-130			
Bromoform	10.4	1.0	µg/L	10.00		104	70-130			
Bromomethane	10.4	2.0	µg/L	10.00		104	40-160			†
2-Butanone (MEK)	86.0	20	µg/L	100.0		86.0	40-160			†
n-Butylbenzene	9.36	1.0	µg/L	10.00		93.6	70-130			
sec-Butylbenzene	9.47	1.0	µg/L	10.00		94.7	70-130			
tert-Butylbenzene	9.62	1.0	µg/L	10.00		96.2	70-130			
Carbon Disulfide	92.7	5.0	µg/L	100.0		92.7	70-130			
Carbon Tetrachloride	8.35	5.0	µg/L	10.00		83.5	70-130			
Chlorobenzene	10.5	1.0	µg/L	10.00		105	70-130			
Chlorodibromomethane	10.4	0.50	µg/L	10.00		104	70-130			
Chloroethane	9.07	2.0	µg/L	10.00		90.7	70-130			
Chloroform	9.06	2.0	µg/L	10.00		90.6	70-130			
Chloromethane	8.61	2.0	µg/L	10.00		86.1	40-160			†
Cyclohexane	9.11	5.0	µg/L	10.00		91.1	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.45	5.0	µg/L	10.00		84.5	70-130			
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.00		104	70-130			
1,2-Dichlorobenzene	9.88	1.0	µg/L	10.00		98.8	70-130			
1,3-Dichlorobenzene	10.0	1.0	µg/L	10.00		100	70-130			
1,4-Dichlorobenzene	9.95	1.0	µg/L	10.00		99.5	70-130			
Dichlorodifluoromethane (Freon 12)	8.94	2.0	µg/L	10.00		89.4	40-160			†
1,1-Dichloroethane	9.40	1.0	µg/L	10.00		94.0	70-130			
1,2-Dichloroethane	10.1	1.0	µg/L	10.00		101	70-130			
1,1-Dichloroethylene	9.06	1.0	µg/L	10.00		90.6	70-130			
cis-1,2-Dichloroethylene	9.27	1.0	µg/L	10.00		92.7	70-130			
trans-1,2-Dichloroethylene	8.92	1.0	µg/L	10.00		89.2	70-130			
1,2-Dichloropropane	10.3	1.0	µg/L	10.00		103	70-130			
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.00		101	70-130			
trans-1,3-Dichloropropene	9.92	0.50	µg/L	10.00		99.2	70-130			
Ethylbenzene	10.1	1.0	µg/L	10.00		101	70-130			
2-Hexanone (MBK)	98.3	10	µg/L	100.0		98.3	70-160			†
Isopropylbenzene (Cumene)	10.2	1.0	µg/L	10.00		102	70-130			
p-Isopropyltoluene (p-Cymene)	9.68	1.0	µg/L	10.00		96.8	70-130			
Methyl Acetate	8.36	1.0	µg/L	10.00		83.6	70-130			
Methyl tert-Butyl Ether (MTBE)	9.31	1.0	µg/L	10.00		93.1	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B398412 - SW-846 5030B										
LCS (B398412-BS1)										
Prepared & Analyzed: 02/07/25										
Methyl Cyclohexane	9.99	1.0	µg/L	10.00		99.9	70-130			
Methylene Chloride	9.00	5.0	µg/L	10.00		90.0	70-130			
4-Methyl-2-pentanone (MIBK)	101	10	µg/L	100.0		101	70-160			†
Naphthalene	9.57	2.0	µg/L	10.00		95.7	40-130			†
n-Propylbenzene	10.0	1.0	µg/L	10.00		100	70-130			
Styrene	10.4	1.0	µg/L	10.00		104	70-130			
1,1,2,2-Tetrachloroethane	9.92	0.50	µg/L	10.00		99.2	70-130			
Tetrachloroethylene	11.0	1.0	µg/L	10.00		110	70-130			
Toluene	10.2	1.0	µg/L	10.00		102	70-130			
1,2,3-Trichlorobenzene	10.2	5.0	µg/L	10.00		102	70-130			
1,2,4-Trichlorobenzene	10.3	1.0	µg/L	10.00		103	70-130			
1,1,1-Trichloroethane	9.08	1.0	µg/L	10.00		90.8	70-130			
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.00		105	70-130			
Trichloroethylene	10.1	1.0	µg/L	10.00		101	70-130			
Trichlorofluoromethane (Freon 11)	8.99	2.0	µg/L	10.00		89.9	70-130			
1,2,3-Trichloropropane	10.5	2.0	µg/L	10.00		105	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.13	1.0	µg/L	10.00		91.3	70-130			
1,2,4-Trimethylbenzene	9.70	1.0	µg/L	10.00		97.0	70-130			
1,3,5-Trimethylbenzene	10.2	1.0	µg/L	10.00		102	70-130			
Vinyl Chloride	9.09	2.0	µg/L	10.00		90.9	40-160			†
m+p Xylene	20.0	2.0	µg/L	20.00		100	70-130			
o-Xylene	10.2	1.0	µg/L	10.00		102	70-130			
Xylenes (total)	30.2	1.0	µg/L	30.00		101	0-200			
Surrogate: 1,2-Dichloroethane-d4	22.2		µg/L	25.00		88.6	70-130			
Surrogate: Toluene-d8	25.0		µg/L	25.00		100	70-130			
Surrogate: 4-Bromofluorobenzene	25.1		µg/L	25.00		100	70-130			
LCS Dup (B398412-BSD1)										
Prepared & Analyzed: 02/07/25										
Acetone	87.6	50	µg/L	100.0		87.6	70-160	3.31	25	†
Benzene	9.77	1.0	µg/L	10.00		97.7	70-130	5.36	25	
Bromochloromethane	10.0	1.0	µg/L	10.00		100	70-130	0.799	25	
Bromodichloromethane	10.7	0.50	µg/L	10.00		107	70-130	6.15	25	
Bromoform	11.0	1.0	µg/L	10.00		110	70-130	5.15	25	
Bromomethane	12.1	2.0	µg/L	10.00		121	40-160	14.7	25	†
2-Butanone (MEK)	87.6	20	µg/L	100.0		87.6	40-160	1.85	25	†
n-Butylbenzene	10.0	1.0	µg/L	10.00		100	70-130	7.11	25	
sec-Butylbenzene	10.0	1.0	µg/L	10.00		100	70-130	5.84	25	
tert-Butylbenzene	10.2	1.0	µg/L	10.00		102	70-130	6.05	25	
Carbon Disulfide	98.3	5.0	µg/L	100.0		98.3	70-130	5.80	25	
Carbon Tetrachloride	9.03	5.0	µg/L	10.00		90.3	70-130	7.83	25	
Chlorobenzene	11.1	1.0	µg/L	10.00		111	70-130	5.39	25	
Chlorodibromomethane	10.2	0.50	µg/L	10.00		102	70-130	1.85	25	
Chloroethane	9.78	2.0	µg/L	10.00		97.8	70-130	7.53	25	
Chloroform	9.66	2.0	µg/L	10.00		96.6	70-130	6.41	25	
Chloromethane	9.27	2.0	µg/L	10.00		92.7	40-160	7.38	25	†
Cyclohexane	9.56	5.0	µg/L	10.00		95.6	70-130	4.82	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.98	5.0	µg/L	10.00		89.8	70-130	6.08	25	
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.00		106	70-130	1.81	25	
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.00		104	70-130	4.84	25	
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.00		106	70-130	5.73	25	
1,4-Dichlorobenzene	10.3	1.0	µg/L	10.00		103	70-130	3.55	25	
Dichlorodifluoromethane (Freon 12)	9.41	2.0	µg/L	10.00		94.1	40-160	5.12	25	†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B398412 - SW-846 5030B

LCS Dup (B398412-BSD1)

Prepared & Analyzed: 02/07/25

1,1-Dichloroethane	9.65	1.0	µg/L	10.00		96.5	70-130	2.62	25	
1,2-Dichloroethane	10.2	1.0	µg/L	10.00		102	70-130	0.493	25	
1,1-Dichloroethylene	9.57	1.0	µg/L	10.00		95.7	70-130	5.48	25	
cis-1,2-Dichloroethylene	9.81	1.0	µg/L	10.00		98.1	70-130	5.66	25	
trans-1,2-Dichloroethylene	9.50	1.0	µg/L	10.00		95.0	70-130	6.30	25	
1,2-Dichloropropane	10.8	1.0	µg/L	10.00		108	70-130	4.36	25	
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.00		105	70-130	3.30	25	
trans-1,3-Dichloropropene	9.91	0.50	µg/L	10.00		99.1	70-130	0.101	25	
Ethylbenzene	10.7	1.0	µg/L	10.00		107	70-130	5.19	25	
2-Hexanone (MBK)	100	10	µg/L	100.0		100	70-160	1.76	25	†
Isopropylbenzene (Cumene)	10.9	1.0	µg/L	10.00		109	70-130	6.43	25	
p-Isopropyltoluene (p-Cymene)	10.3	1.0	µg/L	10.00		103	70-130	6.01	25	
Methyl Acetate	7.74	1.0	µg/L	10.00		77.4	70-130	7.70	25	
Methyl tert-Butyl Ether (MTBE)	9.54	1.0	µg/L	10.00		95.4	70-130	2.44	25	
Methyl Cyclohexane	10.5	1.0	µg/L	10.00		105	70-130	4.79	25	
Methylene Chloride	9.45	5.0	µg/L	10.00		94.5	70-130	4.88	25	
4-Methyl-2-pentanone (MIBK)	104	10	µg/L	100.0		104	70-160	2.52	25	†
Naphthalene	9.88	2.0	µg/L	10.00		98.8	40-130	3.19	25	†
n-Propylbenzene	10.7	1.0	µg/L	10.00		107	70-130	6.46	25	
Styrene	10.9	1.0	µg/L	10.00		109	70-130	4.99	25	
1,1,2,2-Tetrachloroethane	10.3	0.50	µg/L	10.00		103	70-130	3.37	25	
Tetrachloroethylene	11.3	1.0	µg/L	10.00		113	70-130	2.59	25	
Toluene	10.6	1.0	µg/L	10.00		106	70-130	4.05	25	
1,2,3-Trichlorobenzene	10.6	5.0	µg/L	10.00		106	70-130	4.71	25	
1,2,4-Trichlorobenzene	10.6	1.0	µg/L	10.00		106	70-130	2.67	25	
1,1,1-Trichloroethane	9.70	1.0	µg/L	10.00		97.0	70-130	6.60	25	
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.00		106	70-130	1.70	25	
Trichloroethylene	10.9	1.0	µg/L	10.00		109	70-130	7.41	25	
Trichlorofluoromethane (Freon 11)	9.32	2.0	µg/L	10.00		93.2	70-130	3.60	25	
1,2,3-Trichloropropane	11.1	2.0	µg/L	10.00		111	70-130	5.66	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.50	1.0	µg/L	10.00		95.0	70-130	3.97	25	
1,2,4-Trimethylbenzene	10.2	1.0	µg/L	10.00		102	70-130	5.22	25	
1,3,5-Trimethylbenzene	11.0	1.0	µg/L	10.00		110	70-130	7.28	25	
Vinyl Chloride	9.57	2.0	µg/L	10.00		95.7	40-160	5.14	25	†
m+p Xylene	21.0	2.0	µg/L	20.00		105	70-130	4.87	25	
o-Xylene	10.7	1.0	µg/L	10.00		107	70-130	5.46	25	
Xylenes (total)	31.8	1.0	µg/L	30.00		106	0-200	5.07		
Surrogate: 1,2-Dichloroethane-d4	21.9		µg/L	25.00		87.8	70-130			
Surrogate: Toluene-d8	25.0		µg/L	25.00		100	70-130			
Surrogate: 4-Bromofluorobenzene	25.6		µg/L	25.00		103	70-130			

Batch B398413 - SW-846 5030B

Blank (B398413-BLK1)

Prepared & Analyzed: 02/07/25

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							V-05
n-Butylbenzene	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B398413 - SW-846 5030B

Blank (B398413-BLK1)

Prepared & Analyzed: 02/07/25

sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							V-05
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B398413 - SW-846 5030B										
Blank (B398413-BLK1)										
Prepared & Analyzed: 02/07/25										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	25.2		µg/L	25.00		101	70-130			
Surrogate: Toluene-d8	24.8		µg/L	25.00		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	24.9		µg/L	25.00		99.6	70-130			
LCS (B398413-BS1)										
Prepared & Analyzed: 02/07/25										
Acetone	90.4	50	µg/L	100.0		90.4	70-160			†
Benzene	9.53	1.0	µg/L	10.00		95.3	70-130			
Bromochloromethane	9.03	1.0	µg/L	10.00		90.3	70-130			
Bromodichloromethane	10.7	0.50	µg/L	10.00		107	70-130			
Bromoform	11.6	1.0	µg/L	10.00		116	70-130			
Bromomethane	7.80	2.0	µg/L	10.00		78.0	40-160			V-05 †
2-Butanone (MEK)	96.3	20	µg/L	100.0		96.3	40-160			†
n-Butylbenzene	10.4	1.0	µg/L	10.00		104	70-130			
sec-Butylbenzene	10.7	1.0	µg/L	10.00		107	70-130			
tert-Butylbenzene	11.0	1.0	µg/L	10.00		110	70-130			
Carbon Disulfide	98.5	5.0	µg/L	100.0		98.5	70-130			
Carbon Tetrachloride	10.9	5.0	µg/L	10.00		109	70-130			
Chlorobenzene	10.7	1.0	µg/L	10.00		107	70-130			
Chlorodibromomethane	11.2	0.50	µg/L	10.00		112	70-130			
Chloroethane	8.80	2.0	µg/L	10.00		88.0	70-130			
Chloroform	9.83	2.0	µg/L	10.00		98.3	70-130			
Chloromethane	7.92	2.0	µg/L	10.00		79.2	40-160			V-05 †
Cyclohexane	9.32	5.0	µg/L	10.00		93.2	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	11.9	5.0	µg/L	10.00		119	70-130			
1,2-Dibromoethane (EDB)	11.1	0.50	µg/L	10.00		111	70-130			
1,2-Dichlorobenzene	11.3	1.0	µg/L	10.00		113	70-130			
1,3-Dichlorobenzene	11.0	1.0	µg/L	10.00		110	70-130			
1,4-Dichlorobenzene	10.8	1.0	µg/L	10.00		108	70-130			
Dichlorodifluoromethane (Freon 12)	9.69	2.0	µg/L	10.00		96.9	40-160			†
1,1-Dichloroethane	9.60	1.0	µg/L	10.00		96.0	70-130			
1,2-Dichloroethane	9.72	1.0	µg/L	10.00		97.2	70-130			
1,1-Dichloroethylene	9.52	1.0	µg/L	10.00		95.2	70-130			
cis-1,2-Dichloroethylene	9.61	1.0	µg/L	10.00		96.1	70-130			
trans-1,2-Dichloroethylene	9.53	1.0	µg/L	10.00		95.3	70-130			
1,2-Dichloropropane	9.55	1.0	µg/L	10.00		95.5	70-130			
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.00		101	70-130			
trans-1,3-Dichloropropene	10.3	0.50	µg/L	10.00		103	70-130			
Ethylbenzene	10.8	1.0	µg/L	10.00		108	70-130			
2-Hexanone (MBK)	104	10	µg/L	100.0		104	70-160			†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.00		104	70-130			
p-Isopropyltoluene (p-Cymene)	10.6	1.0	µg/L	10.00		106	70-130			
Methyl Acetate	8.83	1.0	µg/L	10.00		88.3	70-130			
Methyl tert-Butyl Ether (MTBE)	9.51	1.0	µg/L	10.00		95.1	70-130			
Methyl Cyclohexane	9.81	1.0	µg/L	10.00		98.1	70-130			
Methylene Chloride	8.82	5.0	µg/L	10.00		88.2	70-130			
4-Methyl-2-pentanone (MIBK)	107	10	µg/L	100.0		107	70-160			†
Naphthalene	11.5	2.0	µg/L	10.00		115	40-130			†
n-Propylbenzene	9.95	1.0	µg/L	10.00		99.5	70-130			
Styrene	10.1	1.0	µg/L	10.00		101	70-130			
1,1,2,2-Tetrachloroethane	10.7	0.50	µg/L	10.00		107	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B398413 - SW-846 5030B										
LCS (B398413-BS1)										
Prepared & Analyzed: 02/07/25										
Tetrachloroethylene	10.8	1.0	µg/L	10.00		108	70-130			
Toluene	10.4	1.0	µg/L	10.00		104	70-130			
1,2,3-Trichlorobenzene	12.0	5.0	µg/L	10.00		120	70-130			
1,2,4-Trichlorobenzene	11.2	1.0	µg/L	10.00		112	70-130			
1,1,1-Trichloroethane	10.8	1.0	µg/L	10.00		108	70-130			
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.00		105	70-130			
Trichloroethylene	10.8	1.0	µg/L	10.00		108	70-130			
Trichlorofluoromethane (Freon 11)	11.2	2.0	µg/L	10.00		112	70-130			
1,2,3-Trichloropropane	11.3	2.0	µg/L	10.00		113	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	1.0	µg/L	10.00		100	70-130			
1,2,4-Trimethylbenzene	10.8	1.0	µg/L	10.00		108	70-130			
1,3,5-Trimethylbenzene	10.4	1.0	µg/L	10.00		104	70-130			
Vinyl Chloride	8.69	2.0	µg/L	10.00		86.9	40-160			†
m+p Xylene	21.4	2.0	µg/L	20.00		107	70-130			
o-Xylene	10.5	1.0	µg/L	10.00		105	70-130			
Xylenes (total)	32.0	1.0	µg/L	30.00		107	0-200			
Surrogate: 1,2-Dichloroethane-d4	24.2		µg/L	25.00		96.8	70-130			
Surrogate: Toluene-d8	24.8		µg/L	25.00		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	24.5		µg/L	25.00		98.0	70-130			
LCS Dup (B398413-BSD1)										
Prepared & Analyzed: 02/07/25										
Acetone	94.4	50	µg/L	100.0		94.4	70-160	4.31	25	†
Benzene	9.59	1.0	µg/L	10.00		95.9	70-130	0.628	25	
Bromochloromethane	9.07	1.0	µg/L	10.00		90.7	70-130	0.442	25	
Bromodichloromethane	10.6	0.50	µg/L	10.00		106	70-130	1.51	25	
Bromoform	11.3	1.0	µg/L	10.00		113	70-130	2.70	25	
Bromomethane	7.92	2.0	µg/L	10.00		79.2	40-160	1.53	25	V-05 †
2-Butanone (MEK)	99.0	20	µg/L	100.0		99.0	40-160	2.78	25	†
n-Butylbenzene	9.73	1.0	µg/L	10.00		97.3	70-130	6.37	25	
sec-Butylbenzene	10.0	1.0	µg/L	10.00		100	70-130	6.36	25	
tert-Butylbenzene	10.3	1.0	µg/L	10.00		103	70-130	6.21	25	
Carbon Disulfide	95.9	5.0	µg/L	100.0		95.9	70-130	2.70	25	
Carbon Tetrachloride	10.8	5.0	µg/L	10.00		108	70-130	1.01	25	
Chlorobenzene	10.6	1.0	µg/L	10.00		106	70-130	0.844	25	
Chlorodibromomethane	10.9	0.50	µg/L	10.00		109	70-130	2.98	25	
Chloroethane	8.01	2.0	µg/L	10.00		80.1	70-130	9.40	25	
Chloroform	9.73	2.0	µg/L	10.00		97.3	70-130	1.02	25	
Chloromethane	7.41	2.0	µg/L	10.00		74.1	40-160	6.65	25	V-05 †
Cyclohexane	9.14	5.0	µg/L	10.00		91.4	70-130	1.95	25	
1,2-Dibromo-3-chloropropane (DBCP)	12.0	5.0	µg/L	10.00		120	70-130	1.51	25	
1,2-Dibromoethane (EDB)	10.7	0.50	µg/L	10.00		107	70-130	4.13	25	
1,2-Dichlorobenzene	10.5	1.0	µg/L	10.00		105	70-130	6.79	25	
1,3-Dichlorobenzene	10.0	1.0	µg/L	10.00		100	70-130	9.42	25	
1,4-Dichlorobenzene	9.98	1.0	µg/L	10.00		99.8	70-130	8.08	25	
Dichlorodifluoromethane (Freon 12)	9.41	2.0	µg/L	10.00		94.1	40-160	2.93	25	†
1,1-Dichloroethane	9.59	1.0	µg/L	10.00		95.9	70-130	0.104	25	
1,2-Dichloroethane	9.32	1.0	µg/L	10.00		93.2	70-130	4.20	25	
1,1-Dichloroethylene	9.75	1.0	µg/L	10.00		97.5	70-130	2.39	25	
cis-1,2-Dichloroethylene	9.55	1.0	µg/L	10.00		95.5	70-130	0.626	25	
trans-1,2-Dichloroethylene	9.49	1.0	µg/L	10.00		94.9	70-130	0.421	25	
1,2-Dichloropropane	9.72	1.0	µg/L	10.00		97.2	70-130	1.76	25	
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.00		101	70-130	0.198	25	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B398413 - SW-846 5030B										
LCS Dup (B398413-BSD1)										
Prepared & Analyzed: 02/07/25										
trans-1,3-Dichloropropene	10.3	0.50	µg/L	10.00		103	70-130	0.388	25	
Ethylbenzene	10.8	1.0	µg/L	10.00		108	70-130	0.185	25	
2-Hexanone (MBK)	110	10	µg/L	100.0		110	70-160	5.67	25	†
Isopropylbenzene (Cumene)	10.5	1.0	µg/L	10.00		105	70-130	1.53	25	
p-Isopropyltoluene (p-Cymene)	9.99	1.0	µg/L	10.00		99.9	70-130	5.64	25	
Methyl Acetate	9.10	1.0	µg/L	10.00		91.0	70-130	3.01	25	
Methyl tert-Butyl Ether (MTBE)	9.67	1.0	µg/L	10.00		96.7	70-130	1.67	25	
Methyl Cyclohexane	9.39	1.0	µg/L	10.00		93.9	70-130	4.38	25	
Methylene Chloride	8.50	5.0	µg/L	10.00		85.0	70-130	3.70	25	
4-Methyl-2-pentanone (MIBK)	111	10	µg/L	100.0		111	70-160	4.26	25	†
Naphthalene	11.8	2.0	µg/L	10.00		118	40-130	2.15	25	†
n-Propylbenzene	10.2	1.0	µg/L	10.00		102	70-130	2.48	25	
Styrene	10.5	1.0	µg/L	10.00		105	70-130	3.89	25	
1,1,2,2-Tetrachloroethane	11.2	0.50	µg/L	10.00		112	70-130	4.10	25	
Tetrachloroethylene	10.4	1.0	µg/L	10.00		104	70-130	3.68	25	
Toluene	10.3	1.0	µg/L	10.00		103	70-130	1.35	25	
1,2,3-Trichlorobenzene	11.8	5.0	µg/L	10.00		118	70-130	1.34	25	
1,2,4-Trichlorobenzene	10.8	1.0	µg/L	10.00		108	70-130	3.17	25	
1,1,1-Trichloroethane	10.7	1.0	µg/L	10.00		107	70-130	0.932	25	
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.00		105	70-130	0.285	25	
Trichloroethylene	10.6	1.0	µg/L	10.00		106	70-130	1.87	25	
Trichlorofluoromethane (Freon 11)	10.5	2.0	µg/L	10.00		105	70-130	6.18	25	
1,2,3-Trichloropropane	11.7	2.0	µg/L	10.00		117	70-130	3.83	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.52	1.0	µg/L	10.00		95.2	70-130	4.92	25	
1,2,4-Trimethylbenzene	10.3	1.0	µg/L	10.00		103	70-130	4.28	25	
1,3,5-Trimethylbenzene	10.7	1.0	µg/L	10.00		107	70-130	3.51	25	
Vinyl Chloride	8.60	2.0	µg/L	10.00		86.0	40-160	1.04	25	†
m+p Xylene	21.4	2.0	µg/L	20.00		107	70-130	0.0466	25	
o-Xylene	10.8	1.0	µg/L	10.00		108	70-130	2.90	25	
Xylenes (total)	32.3	1.0	µg/L	30.00		108	0-200	0.996		
Surrogate: 1,2-Dichloroethane-d4	25.0		µg/L	25.00		100	70-130			
Surrogate: Toluene-d8	24.2		µg/L	25.00		97.0	70-130			
Surrogate: 4-Bromofluorobenzene	26.0		µg/L	25.00		104	70-130			



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QUALITY CONTROL

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B398412 - SW-846 5030B**Blank (B398412-BLK1)**

Prepared & Analyzed: 02/07/25

No TICs Found 0.0 µg/L

Batch B398413 - SW-846 5030B**Blank (B398413-BLK1)**

Prepared & Analyzed: 02/07/25

No TICs Found 0.0 µg/L

QUALITY CONTROL

1,4-Dioxane by isotope dilution GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B398373 - SW-846 3510C										
Blank (B398373-BLK1)										
Prepared: 02/06/25 Analyzed: 02/11/25										
1,4-Dioxane	ND	0.20	µg/L							
Surrogate: 1,4-Dioxane-d8	3.01		µg/L	10.00		30.1	15-110			
LCS (B398373-BS1)										
Prepared: 02/06/25 Analyzed: 02/11/25										
1,4-Dioxane	10.8	0.20	µg/L	10.00		108	40-140			
Surrogate: 1,4-Dioxane-d8	3.09		µg/L	10.00		30.9	15-110			
LCS Dup (B398373-BSD1)										
Prepared: 02/06/25 Analyzed: 02/11/25										
1,4-Dioxane	11.5	0.20	µg/L	10.00		115	40-140	6.72	30	
Surrogate: 1,4-Dioxane-d8	2.92		µg/L	10.00		29.2	15-110			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B398893 - EPA 1633										
Blank (B398893-BLK1)										
					Prepared: 02/14/25 Analyzed: 02/17/25					
Perfluorobutanoic acid (PFBA)	ND	6.3	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	3.2	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.6	ng/L							PF-17
Perfluoroheptanoic acid (PFHpA)	ND	1.6	ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.6	ng/L							PF-17
Perfluorononanoic acid (PFNA)	ND	1.6	ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.6	ng/L							PF-17
Perfluoroundecanoic acid (PFUnA)	ND	1.6	ng/L							PF-17
Perfluorododecanoic acid (PFDoA)	ND	1.6	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	1.6	ng/L							
Perfluorotetradecanoic acid (PFTeDA)	ND	1.6	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	1.6	ng/L							
Perfluoropentanesulfonic acid (PFPeS)	ND	1.6	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.6	ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.6	ng/L							PF-17
Perfluorooctanesulfonic acid (PFOS)	ND	1.6	ng/L							PF-17
Perfluorononanesulfonic acid (PFNS)	ND	1.6	ng/L							PF-17
Perfluorodecanesulfonic acid (PFDS)	ND	1.6	ng/L							PF-17
Perfluorododecanesulfonic acid (PFDoS)	ND	1.6	ng/L							PF-17
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	6.3	ng/L							
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	6.3	ng/L							
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	6.3	ng/L							
Perfluorooctanesulfonamide (PFOSA)	ND	1.6	ng/L							
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	1.6	ng/L							
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.6	ng/L							
N-MeFOSAA (NMeFOSAA)	ND	1.6	ng/L							
N-EtFOSAA (NEtFOSAA)	ND	1.6	ng/L							PF-17
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	16	ng/L							
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	16	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	6.3	ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	6.3	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	6.3	ng/L							PF-17
11Cl-PF3OUdS (F53B Major)	ND	6.3	ng/L							PF-17
3-Perfluoropropyl propanoic acid (FPPrPA) (3:3FTCA)	ND	7.9	ng/L							
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	ND	39	ng/L							PF-17
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	39	ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.2	ng/L							PF-17
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	3.2	ng/L							
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	3.2	ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.2	ng/L							PF-17
Surrogate: 13C4-PFBA	99.3		ng/L	78.85		126	5-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B398893 - EPA 1633										
Blank (B398893-BLK1)										
Prepared: 02/14/25 Analyzed: 02/17/25										
Surrogate: 13C5-PFPeA	49.6		ng/L	39.42		126	40-130			
Surrogate: 13C5-PFHxA	25.8		ng/L	19.71		131 *	40-130			PF-17
Surrogate: 13C4-PFHpA	25.1		ng/L	19.71		127	40-130			
Surrogate: 13C8-PFOA	27.0		ng/L	19.71		137 *	40-130			PF-17
Surrogate: 13C9-PFNA	12.1		ng/L	9.856		123	40-130			
Surrogate: 13C6-PFDA	13.3		ng/L	9.856		135 *	40-130			PF-17
Surrogate: 13C7-PFUnA	13.6		ng/L	9.856		138 *	30-130			PF-17
Surrogate: 13C2-PFDoA	12.3		ng/L	9.856		125	10-130			
Surrogate: 13C2-PFTeDA	12.1		ng/L	9.856		123	10-130			
Surrogate: 13C3-PFBS	24.4		ng/L	19.71		124	40-135			
Surrogate: 13C3-PFHxS	24.9		ng/L	19.71		126	40-130			
Surrogate: 13C8-PFOS	25.9		ng/L	19.71		131 *	40-130			PF-17
Surrogate: 13C2-4:2FTS	55.3		ng/L	39.42		140	40-200			
Surrogate: 13C2-6:2FTS	49.2		ng/L	39.42		125	40-200			
Surrogate: 13C2-8:2FTS	43.0		ng/L	39.42		109	40-300			
Surrogate: 13C8-PFOA	24.4		ng/L	19.71		124	40-130			
Surrogate: D3-NMeFOSA	20.0		ng/L	19.71		101	10-130			
Surrogate: D5-NEtFOSA	19.9		ng/L	19.71		101	10-130			
Surrogate: D3-NMeFOSAA	57.5		ng/L	39.42		146	40-170			
Surrogate: D5-NEtFOSAA	58.1		ng/L	39.42		147 *	25-135			PF-17
Surrogate: D7-NMeFOSE	227		ng/L	197.1		115	10-130			
Surrogate: D9-NEtFOSE	222		ng/L	197.1		113	10-130			
Surrogate: 13C3-HFPO-DA	99.5		ng/L	78.85		126	40-130			
LCS (B398893-BS1)										
Prepared: 02/14/25 Analyzed: 02/17/25										
Perfluorobutanoic acid (PFBA)	79.8	6.3	ng/L	78.20		102	70-140			
Perfluoropentanoic acid (PFPeA)	41.0	3.1	ng/L	39.10		105	65-135			
Perfluorohexanoic acid (PFHxA)	20.2	1.6	ng/L	19.55		103	70-145			
Perfluoroheptanoic acid (PFHpA)	19.9	1.6	ng/L	19.55		102	70-150			
Perfluorooctanoic acid (PFOA)	17.0	1.6	ng/L	19.55		87.1	70-150			
Perfluorononanoic acid (PFNA)	19.9	1.6	ng/L	19.55		102	70-150			
Perfluorodecanoic acid (PFDA)	20.9	1.6	ng/L	19.55		107	70-140			
Perfluoroundecanoic acid (PFUnA)	20.7	1.6	ng/L	19.55		106	70-145			
Perfluorododecanoic acid (PFDoA)	19.9	1.6	ng/L	19.55		102	70-140			
Perfluorotridecanoic acid (PFTTrDA)	19.7	1.6	ng/L	19.55		101	65-140			
Perfluorotetradecanoic acid (PFTeDA)	21.7	1.6	ng/L	19.55		111	60-140			
Perfluorobutanesulfonic acid (PFBS)	16.9	1.6	ng/L	17.36		97.6	60-145			
Perfluoropentanesulfonic acid (PFPeS)	19.2	1.6	ng/L	18.38		104	65-140			
Perfluorohexanesulfonic acid (PFHxS)	17.4	1.6	ng/L	17.83		97.6	65-145			
Perfluoroheptanesulfonic acid (PFHpS)	20.2	1.6	ng/L	18.61		109	70-150			
Perfluorooctanesulfonic acid (PFOS)	18.4	1.6	ng/L	18.14		101	55-150			
Perfluorononanesulfonic acid (PFNS)	20.0	1.6	ng/L	18.77		107	65-145			
Perfluorodecanesulfonic acid (PFDS)	19.6	1.6	ng/L	18.85		104	60-145			
Perfluorododecanesulfonic acid (PFDoS)	18.7	1.6	ng/L	18.92		99.1	50-145			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	81.9	6.3	ng/L	73.27		112	70-145			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	88.3	6.3	ng/L	74.37		119	65-155			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	87.8	6.3	ng/L	75.07		117	60-150			
Perfluorooctanesulfonamide (PFOSA)	20.1	1.6	ng/L	19.55		103	70-145			
N-methyl perfluorooctanesulfonamide (NMeFOSA)	20.2	1.6	ng/L	19.55		103	60-150			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B398893 - EPA 1633

LCS (B398893-BS1)

Prepared: 02/14/25 Analyzed: 02/17/25

N-ethyl perfluorooctanesulfonamide (NEtFOSA)	19.7	1.6	ng/L	19.55		101	65-145			
N-MeFOSAA (NMeFOSAA)	22.1	1.6	ng/L	19.55		113	50-140			
N-EtFOSAA (NEtFOSAA)	18.0	1.6	ng/L	19.55		91.9	70-145			
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	198	16	ng/L	195.5		102	70-145			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	200	16	ng/L	195.5		102	70-135			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	83.1	6.3	ng/L	78.20		106	70-140			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	75.3	6.3	ng/L	73.90		102	65-145			
9Cl-PF3ONS (F53B Minor)	82.9	6.3	ng/L	72.96		114	70-155			
11Cl-PF3OUdS (F53B Major)	86.7	6.3	ng/L	73.04		119	55-160			
3-Perfluoropropyl propanoic acid (FPPrPA) (3:3FTCA)	93.6	7.8	ng/L	97.75		95.8	65-130			
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	471	39	ng/L	488.8		96.4	70-135			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	491	39	ng/L	488.8		100	50-145			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	34.8	3.1	ng/L	34.88		99.8	70-140			
Perfluoro-3-methoxypropanoic acid (PFMPA)	35.7	3.1	ng/L	39.10		91.3	55-140			
Perfluoro-4-methoxybutanoic acid (PFMBA)	38.6	3.1	ng/L	39.10		98.8	60-150			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	39.6	3.1	ng/L	39.10		101	50-150			
Surrogate: 13C4-PFBA	82.8		ng/L	78.20		106	5-130			
Surrogate: 13C5-PFPeA	39.7		ng/L	39.10		101	40-130			
Surrogate: 13C5-PFHxA	20.7		ng/L	19.55		106	40-130			
Surrogate: 13C4-PFHpA	20.1		ng/L	19.55		103	40-130			
Surrogate: 13C8-PFOA	22.9		ng/L	19.55		117	40-130			
Surrogate: 13C9-PFNA	10.8		ng/L	9.775		110	40-130			
Surrogate: 13C6-PFDA	9.83		ng/L	9.775		101	40-130			
Surrogate: 13C7-PFUnA	9.73		ng/L	9.775		99.6	30-130			
Surrogate: 13C2-PFDoA	10.0		ng/L	9.775		103	10-130			
Surrogate: 13C2-PFTeDA	9.17		ng/L	9.775		93.8	10-130			
Surrogate: 13C3-PFBS	21.0		ng/L	19.55		107	40-135			
Surrogate: 13C3-PFHxS	21.1		ng/L	19.55		108	40-130			
Surrogate: 13C8-PFOS	20.2		ng/L	19.55		104	40-130			
Surrogate: 13C2-4:2FTS	42.3		ng/L	39.10		108	40-200			
Surrogate: 13C2-6:2FTS	40.4		ng/L	39.10		103	40-200			
Surrogate: 13C2-8:2FTS	36.3		ng/L	39.10		92.8	40-300			
Surrogate: 13C8-PFOA	19.7		ng/L	19.55		101	40-130			
Surrogate: D3-NMeFOSA	16.3		ng/L	19.55		83.1	10-130			
Surrogate: D5-NEtFOSA	16.3		ng/L	19.55		83.6	10-130			
Surrogate: D3-NMeFOSAA	48.5		ng/L	39.10		124	40-170			
Surrogate: D5-NEtFOSAA	49.4		ng/L	39.10		126	25-135			
Surrogate: D7-NMeFOSE	183		ng/L	195.5		93.5	10-130			
Surrogate: D9-NEtFOSE	179		ng/L	195.5		91.8	10-130			
Surrogate: 13C3-HFPO-DA	78.9		ng/L	78.20		101	40-130			

MRL Check (B398893-MRL1)

Prepared: 02/14/25 Analyzed: 02/17/25

Perfluorobutanoic acid (PFBA)	12.5	6.3	ng/L	12.53		99.4	70-140			
Perfluoropentanoic acid (PFPeA)	5.80	3.1	ng/L	6.267		92.5	65-135			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B398893 - EPA 1633										
MRL Check (B398893-MRL1)										
Prepared: 02/14/25 Analyzed: 02/17/25										
Perfluorohexanoic acid (PFHxA)	2.82	1.6	ng/L	3.133		89.9	70-145			
Perfluoroheptanoic acid (PFHpA)	2.93	1.6	ng/L	3.133		93.6	70-150			
Perfluorooctanoic acid (PFOA)	3.03	1.6	ng/L	3.133		96.6	70-150			
Perfluorononanoic acid (PFNA)	2.89	1.6	ng/L	3.133		92.1	70-150			
Perfluorodecanoic acid (PFDA)	2.96	1.6	ng/L	3.133		94.4	70-140			
Perfluoroundecanoic acid (PFUnA)	2.63	1.6	ng/L	3.133		84.0	70-145			
Perfluorododecanoic acid (PFDoA)	3.01	1.6	ng/L	3.133		96.2	70-140			
Perfluorotridecanoic acid (PFTrDA)	3.04	1.6	ng/L	3.133		96.9	65-140			
Perfluorotetradecanoic acid (PFTeDA)	3.10	1.6	ng/L	3.133		99.1	60-140			
Perfluorobutanesulfonic acid (PFBS)	2.57	1.6	ng/L	2.782		92.4	60-145			
Perfluoropentanesulfonic acid (PFPeS)	2.85	1.6	ng/L	2.945		96.8	65-140			
Perfluorohexanesulfonic acid (PFHxS)	2.58	1.6	ng/L	2.858		90.2	65-145			
Perfluoroheptanesulfonic acid (PFHpS)	2.95	1.6	ng/L	2.983		98.9	70-150			
Perfluorooctanesulfonic acid (PFOS)	2.97	1.6	ng/L	2.908		102	55-150			
Perfluorononanesulfonic acid (PFNS)	2.66	1.6	ng/L	3.008		88.3	65-145			
Perfluorodecanesulfonic acid (PFDS)	2.70	1.6	ng/L	3.021		89.3	60-145			
Perfluorododecanesulfonic acid (PFDoS)	2.80	1.6	ng/L	3.033		92.3	50-145			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	12.6	6.3	ng/L	11.74		108	70-145			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	13.4	6.3	ng/L	11.92		113	65-155			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	11.4	6.3	ng/L	12.03		94.9	60-150			
Perfluorooctanesulfonamide (PFOSA)	2.96	1.6	ng/L	3.133		94.5	70-145			
N-methyl perfluorooctanesulfonamide (NMeFOSA)	3.15	1.6	ng/L	3.133		101	60-150			
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	3.02	1.6	ng/L	3.133		96.5	65-145			
N-MeFOSAA (NMeFOSAA)	2.42	1.6	ng/L	3.133		77.2	50-140			
N-EtFOSAA (NEtFOSAA)	2.90	1.6	ng/L	3.133		92.7	70-145			
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	29.2	16	ng/L	31.33		93.1	70-145			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	29.1	16	ng/L	31.33		92.9	70-135			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	12.2	6.3	ng/L	12.53		97.3	70-140			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	11.5	6.3	ng/L	11.84		96.9	65-145			
9Cl-PF3ONS (F53B Minor)	12.3	6.3	ng/L	11.69		105	70-155			
11Cl-PF3OUdS (F53B Major)	12.5	6.3	ng/L	11.71		107	55-160			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	13.4	7.8	ng/L	15.67		85.7	65-130			
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	70.7	39	ng/L	78.33		90.2	70-135			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	75.4	39	ng/L	78.33		96.3	50-145			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	5.09	3.1	ng/L	5.590		91.0	70-140			
Perfluoro-3-methoxypropanoic acid (PFMPA)	5.21	3.1	ng/L	6.267		83.2	55-140			
Perfluoro-4-methoxybutanoic acid (PFMBA)	5.62	3.1	ng/L	6.267		89.7	60-150			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	5.76	3.1	ng/L	6.267		92.0	50-150			
Surrogate: 13C4-PFBA	81.6		ng/L	78.33		104	5-130			
Surrogate: 13C5-PFPeA	40.0		ng/L	39.17		102	40-130			
Surrogate: 13C5-PFHxA	20.7		ng/L	19.58		106	40-130			

QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B398893 - EPA 1633

MRL Check (B398893-MRL1)

Prepared: 02/14/25 Analyzed: 02/17/25

Surrogate: 13C4-PFHpA	20.0		ng/L	19.58		102	40-130			
Surrogate: 13C8-PFOA	22.7		ng/L	19.58		116	40-130			
Surrogate: 13C9-PFNA	10.4		ng/L	9.792		106	40-130			
Surrogate: 13C6-PFDA	10.2		ng/L	9.792		104	40-130			
Surrogate: 13C7-PFUnA	10.3		ng/L	9.792		105	30-130			
Surrogate: 13C2-PFDoA	9.80		ng/L	9.792		100	10-130			
Surrogate: 13C2-PFTeDA	9.74		ng/L	9.792		99.4	10-130			
Surrogate: 13C3-PFBS	20.3		ng/L	19.58		103	40-135			
Surrogate: 13C3-PFHxS	20.5		ng/L	19.58		105	40-130			
Surrogate: 13C8-PFOS	21.7		ng/L	19.58		111	40-130			
Surrogate: 13C2-4:2FTS	43.7		ng/L	39.17		112	40-200			
Surrogate: 13C2-6:2FTS	41.9		ng/L	39.17		107	40-200			
Surrogate: 13C2-8:2FTS	38.7		ng/L	39.17		98.8	40-300			
Surrogate: 13C8-PFOSA	20.6		ng/L	19.58		105	40-130			
Surrogate: D3-NMeFOSA	16.6		ng/L	19.58		84.9	10-130			
Surrogate: D5-NEtFOSA	16.7		ng/L	19.58		85.3	10-130			
Surrogate: D3-NMeFOSAA	49.8		ng/L	39.17		127	40-170			
Surrogate: D5-NEtFOSAA	51.6		ng/L	39.17		132	25-135			
Surrogate: D7-NMeFOSE	194		ng/L	195.8		99.2	10-130			
Surrogate: D9-NEtFOSE	192		ng/L	195.8		98.1	10-130			
Surrogate: 13C3-HFPO-DA	80.4		ng/L	78.33		103	40-130			

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
PF-17	Extracted Internal Standard recovery is outside of control limits. Data is not significantly affected since associated analyte is not detected and bias is on the high side.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side.
Z-01	Data validation is not affected since sample result was "not detected" for this compound.
Z-01a	Library match is <80%, but peak is valid based on analyst interpretation.
Z-01a	TIC quality is less than method required 80. Analyst believes it to be a valid hit.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>Draft Method 1633 in Water</i>	
Perfluorobutanoic acid (PFBA)	NY
Perfluoropentanoic acid (PFPeA)	NY
Perfluorohexanoic acid (PFHxA)	NY
Perfluoroheptanoic acid (PFHpA)	NY
Perfluorooctanoic acid (PFOA)	NY
Perfluorononanoic acid (PFNA)	NY
Perfluorodecanoic acid (PFDA)	NY
Perfluoroundecanoic acid (PFUnA)	NY
Perfluorododecanoic acid (PFDoA)	NY
Perfluorotridecanoic acid (PFTrDA)	NY
Perfluorotetradecanoic acid (PFTeDA)	NY
Perfluorobutanesulfonic acid (PFBS)	NY
Perfluoropentanesulfonic acid (PFPeS)	NY
Perfluorohexanesulfonic acid (PFHxS)	NY
Perfluoroheptanesulfonic acid (PFHpS)	NY
Perfluorooctanesulfonic acid (PFOS)	NY
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	NY
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	NY
N-MeFOSAA (NMeFOSAA)	NY
N-EtFOSAA (NEtFOSAA)	NY
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NY
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NY
9Cl-PF3ONS (F53B Minor)	NY
11Cl-PF3OUdS (F53B Major)	NY
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NY
Perfluoro-3-methoxypropanoic acid (PFMPA)	NY
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY,NJ
Benzene	CT,ME,NH,VA,NY,NJ
Bromochloromethane	ME,NH,VA,NY,NJ
Bromodichloromethane	CT,ME,NH,VA,NY,NJ
Bromoform	CT,ME,NH,VA,NY,NJ
Bromomethane	CT,ME,NH,VA,NY,NJ
2-Butanone (MEK)	CT,ME,NH,VA,NY,NJ
n-Butylbenzene	ME,VA,NY,NJ
sec-Butylbenzene	ME,VA,NY,NJ
tert-Butylbenzene	ME,VA,NY,NJ
Carbon Disulfide	CT,ME,NH,VA,NY,NJ
Carbon Tetrachloride	CT,ME,NH,VA,NY,NJ
Chlorobenzene	CT,ME,NH,VA,NY,NJ
Chlorodibromomethane	CT,ME,NH,VA,NY,NJ
Chloroethane	CT,ME,NH,VA,NY,NJ
Chloroform	CT,ME,NH,VA,NY,NJ
Chloromethane	CT,ME,NH,VA,NY,NJ
Cyclohexane	ME,NY,NJ
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY,NJ

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
1,2-Dibromoethane (EDB)	ME,NY,NJ
1,2-Dichlorobenzene	CT,ME,NH,VA,NY,NJ
1,3-Dichlorobenzene	CT,ME,NH,VA,NY,NJ
1,4-Dichlorobenzene	CT,ME,NH,VA,NY,NJ
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY,NJ
1,1-Dichloroethane	CT,ME,NH,VA,NY,NJ
1,2-Dichloroethane	CT,ME,NH,VA,NY,NJ
1,1-Dichloroethylene	CT,ME,NH,VA,NY,NJ
cis-1,2-Dichloroethylene	ME,NY,NJ
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY,NJ
1,2-Dichloropropane	CT,ME,NH,VA,NY,NJ
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY,NJ
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY,NJ
1,4-Dioxane	ME,NY,NJ
Ethylbenzene	CT,ME,NH,VA,NY,NJ
2-Hexanone (MBK)	CT,ME,NH,VA,NY,NJ
Isopropylbenzene (Cumene)	ME,VA,NY,NJ
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY,NJ
Methyl Acetate	ME,NY,NJ
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY,NJ
Methyl Cyclohexane	NY,NJ
Methylene Chloride	CT,ME,NH,VA,NY,NJ
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY,NJ
Naphthalene	ME,NH,VA,NY,NJ
n-Propylbenzene	CT,ME,NH,VA,NY,NJ
Styrene	CT,ME,NH,VA,NY,NJ
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY,NJ
Tetrachloroethylene	CT,ME,NH,VA,NY,NJ
Toluene	CT,ME,NH,VA,NY,NJ
1,2,3-Trichlorobenzene	ME,NH,VA,NY,NJ
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY,NJ
1,1,1-Trichloroethane	CT,ME,NH,VA,NY,NJ
1,1,2-Trichloroethane	CT,ME,NH,VA,NY,NJ
Trichloroethylene	CT,ME,NH,VA,NY,NJ
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY,NJ
1,2,3-Trichloropropane	ME,NH,VA,NY,NJ
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY,NJ
1,2,4-Trimethylbenzene	ME,VA,NY,NJ
1,3,5-Trimethylbenzene	ME,VA,NY,NJ
Vinyl Chloride	CT,ME,NH,VA,NY,NJ
m+p Xylene	CT,ME,NH,VA,NY,NJ
o-Xylene	CT,ME,NH,VA,NY,NJ
Xylenes (total)	ME,NY,NJ
SW-846 8270E in Water	
1,4-Dioxane	NY,NH,NJ



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Pace Analytical Services, LLC - East Longmeadow, Ma, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2026
NY	New York State Department of Health	10899 NELAP	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2026
NJ	New Jersey DEP	MA007 NELAP	06/30/2025
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2025

Chain of Custody / Analysis Report

25B0235

RAMBOLL
 Michael Grifasi
 333 West Washington Street
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 Phone: (315) 956-6100
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 Project: NYSDEC Claremont Polychemical Site Q1 Sampling
 Location: Old Bethpage, New York

Sampler(s): Rebecca Britt
Rebecca Britt
Signature: *Rebecca Britt*
Lab: *Zach Saltzman*
Signature: *Zach Saltzman*

Project Number: *25B0235*

Job Number:

Laboratory ID:

Unique Field Sample ID (sys_sample_code)	Sample Identification		Date	Time	Sample Type (See Key)	Sample Matrix (See Key)	Number of Containers	Grab [G] or Composite [C]	Field Filtered? (Y/N)	Preservatives: (see key at bottom)	Analysis Required	Lab Sample ID:
	Sample Location	Sample Location										
1	TB-CPC-QC-20250204		2/4/2024	8:00	N	TB	2	G	N	X		
2	MW-CPC-39-23-374-20250204-00	MW-CPC-39	2/4/2025	9:25	N	WG	7	G	N	X		
3	MW7BR-CP-00-20250204	MW-7BR	2/4/2025	11:55	N	WG	3	G	N	X		
4	BP3A-CP-00-20250204	BP-3A	2/4/2025	12:10	N	WG	3	G	N	X		
5	BP3B-CP-00-20250204	BP-3B	2/4/2025	12:12	N	WG	3	G	N	X		
6	BP3C-CP-00-20250204	BP-3C	2/4/2025	12:15	N	WG	3	G	N	X		
7	MW10D-CP-00-20250204	MW-10D	2/4/2025	13:30	N	WG	3	G	N	X		
8	EW2A-CP-00-20250204	EW-2A	2/4/2025	14:00	N	WG	3	G	N	X		
9	EW2B-CP-00-20250204	EW-2B	2/4/2025	14:01	N	WG	3	G	N	X		
10	EW2C-CP-00-20250204	EW-2C	2/4/2025	14:02	N	WG	3	G	N	X		
11	EW2D-CP-00-20250204	EW-2D	2/4/2025	14:03	N	WG	3	G	N	X		
12	MW5B-CP-00-20250204	MW-5B	2/4/2025	14:30	N	WG	3	G	N	X		
13	MW9B-CP-00-20250204	MW-9B	2/4/2025	11:05	N	WG	3	G	N	X		
14	MW9B-CP-00-20250204	MW-9C	2/4/2025	11:07	N	WG	3	G	N	X		

Special instructions: 2 coolers, one for PFAS sample

Use the top boxes if the samples are to be shipped via courier (e.g., Fed Ex)

Relinquished by: *Rebecca Britt*
 Date: *2/5/25*
 Time: *13:20*

Relinquished by: *MO A Pace*
 Date: *2/5/25*
 Time: *18:10*

Relinquished by: *MO A Pace*
 Date: *2-5-25*
 Time: *20:05*

Condition:

Courier Name: *MO A Pace*
 Date: *2-5-24*
 Tracking #: *18136*

Courier Name:
 Date:
 Tracking #:

Received By: *ASF PACE*
 Date: *2/5/25*
 Time: *13:22*

Other comments or notes regarding condition of samples as received:

Custody Seals Intact? (if so, indicate the #, date, and time of the seal)
 Cooler Temperature: *0.5*



February 11, 2025

Payson Long
NYDEC_Ramboll US Consulting, Inc. - Syracuse
333 West Washington Street, PO Box 4873
Syracuse, NY 13202

Project Location: Old Bethpage, New York
Client Job Number:
Project Number: 130015
Laboratory Work Order Number: 25B0236

Enclosed are results of analyses for samples as received by the laboratory on February 6, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kyle Murray". The signature is written in a cursive style and is positioned below a horizontal line.

Kyle A. Murray
Project Manager

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Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

NYDEC_Ramboll US Consulting, Inc. - Syracuse
333 West Washington Street, PO Box 4873
Syracuse, NY 13202
ATTN: Payson Long

REPORT DATE: 2/11/2025

PURCHASE ORDER NUMBER: 151811

PROJECT NUMBER: 130015

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25B0236

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: Old Bethpage, New York

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
QC-TB-CP-20250205	25B0236-01	Trip Blank Water		SW-846 8260D	
BP5B-CP-00-20250205	25B0236-02	Ground Water		SW-846 8260D	
BP5C-CP-00-20250205	25B0236-03	Ground Water		SW-846 8260D	
BP12B-CP-00-20250205	25B0236-04	Ground Water		SW-846 8260D	
BP12C-CP-00-20250205	25B0236-05	Ground Water		SW-846 8260D	
BP13B-CP-00-20250205	25B0236-06	Ground Water		SW-846 8260D	
BP13C-CP-00-20250205	25B0236-07	Ground Water		SW-846 8260D	
EW1A-CP-00-20250205	25B0236-08	Ground Water		SW-846 8260D	
EW1B-CP-00-20250205	25B0236-09	Ground Water		SW-846 8260D	
EW1C-CP-00-20250205	25B0236-10	Ground Water		SW-846 8260D	
EW7C-CP-00-20250205	25B0236-11	Ground Water		SW-846 8260D	
EW7D-CP-00-20250205	25B0236-12	Ground Water		SW-846 8260D	
LF1-CP-00-20250205	25B0236-13	Ground Water		SW-846 8260D	
M30BR-CP-00-20250205	25B0236-14	Ground Water		SW-846 8260D	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8260D

Qualifications:

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

25B0236-11[EW7C-CP-00-20250205]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Bromomethane

25B0236-01[QC-TB-CP-20250205], 25B0236-02[BP5B-CP-00-20250205], 25B0236-03[BP5C-CP-00-20250205], 25B0236-04[BP12B-CP-00-20250205], 25B0236-05[BP12C-CP-00-20250205], 25B0236-06[BP13B-CP-00-20250205], 25B0236-07[BP13C-CP-00-20250205], 25B0236-08[EW1A-CP-00-20250205], 25B0236-09[EW1B-CP-00-20250205], 25B0236-10[EW1C-CP-00-20250205], 25B0236-11[EW7C-CP-00-20250205], 25B0236-12[EW7D-CP-00-20250205], 25B0236-13[LF1-CP-00-20250205], 25B0236-14[M30BR-CP-00-20250205], B398413-BLK1, B398413-BS1, B398413-BSD1, S 117847-CCV1

Chloromethane

25B0236-01[QC-TB-CP-20250205], 25B0236-02[BP5B-CP-00-20250205], 25B0236-03[BP5C-CP-00-20250205], 25B0236-04[BP12B-CP-00-20250205], 25B0236-05[BP12C-CP-00-20250205], 25B0236-06[BP13B-CP-00-20250205], 25B0236-07[BP13C-CP-00-20250205], 25B0236-08[EW1A-CP-00-20250205], 25B0236-09[EW1B-CP-00-20250205], 25B0236-10[EW1C-CP-00-20250205], 25B0236-11[EW7C-CP-00-20250205], 25B0236-12[EW7D-CP-00-20250205], 25B0236-13[LF1-CP-00-20250205], 25B0236-14[M30BR-CP-00-20250205], B398413-BLK1, B398413-BS1, B398413-BSD1, S 117847-CCV1

Z-01

TIC quality is less than method required 80. Analyst believes it to be a valid hit.

Analyte & Samples(s) Qualified:

Isopropyl alcohol

25B0236-02[BP5B-CP-00-20250205], 25B0236-03[BP5C-CP-00-20250205], 25B0236-04[BP12B-CP-00-20250205], 25B0236-05[BP12C-CP-00-20250205], 25B0236-06[BP13B-CP-00-20250205], 25B0236-07[BP13C-CP-00-20250205], 25B0236-08[EW1A-CP-00-20250205], 25B0236-11[EW7C-CP-00-20250205], 25B0236-12[EW7D-CP-00-20250205], 25B0236-13[LF1-CP-00-20250205], 25B0236-14[M30BR-CP-00-20250205]

The results of analyses reported only relate to samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: QC-TB-CP-20250205

Sampled: 2/5/2025 08:00

Sample ID: 25B0236-01

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 0:57	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: QC-TB-CP-20250205

Sampled: 2/5/2025 08:00

Sample ID: 25B0236-01

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 0:57	EEH
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		100	70-130					2/8/25 0:57	
Toluene-d8		96.2	70-130					2/8/25 0:57	
4-Bromofluorobenzene		100	70-130					2/8/25 0:57	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: QC-TB-CP-20250205

Sampled: 2/5/2025 08:00

Sample ID: 25B0236-01

Sample Matrix: Trip Blank Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	2/7/25	2/8/25 0:57	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: BP5B-CP-00-20250205

Sampled: 2/5/2025 08:50

Sample ID: 25B0236-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	150	50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 1:22	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: BP5B-CP-00-20250205

Sampled: 2/5/2025 08:50

Sample ID: 25B0236-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:22	EEH
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		100		70-130				2/8/25 1:22	
Toluene-d8		97.3		70-130				2/8/25 1:22	
4-Bromofluorobenzene		100		70-130				2/8/25 1:22	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: BP5B-CP-00-20250205

Sampled: 2/5/2025 08:50

Sample ID: 25B0236-02

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	110	µg/L	1995830	1.621	1	000067-63-0	78	SW-846 8260D	2/7/25	2/8/25 1:22	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: BP5C-CP-00-20250205

Sampled: 2/5/2025 08:52

Sample ID: 25B0236-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	300	50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 1:48	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
1,1-Dichloroethane	4.0	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
1,1-Dichloroethylene	1.6	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: BP5C-CP-00-20250205

Sampled: 2/5/2025 08:52

Sample ID: 25B0236-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
1,1,1-Trichloroethane	1.2	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Trichloroethylene	1.5	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 1:48	EEH
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		103	70-130					2/8/25 1:48	
Toluene-d8		97.7	70-130					2/8/25 1:48	
4-Bromofluorobenzene		101	70-130					2/8/25 1:48	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: BP5C-CP-00-20250205

Sampled: 2/5/2025 08:52

Sample ID: 25B0236-03

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	35	µg/L	639872	1.62	1	000067-63-0	78	SW-846 8260D	2/7/25	2/8/25 1:48	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: BP12B-CP-00-20250205

Sampled: 2/5/2025 09:10

Sample ID: 25B0236-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	85	50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 2:13	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: BP12B-CP-00-20250205

Sampled: 2/5/2025 09:10

Sample ID: 25B0236-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:13	EEH
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		101	70-130					2/8/25 2:13	
Toluene-d8		96.8	70-130					2/8/25 2:13	
4-Bromofluorobenzene		104	70-130					2/8/25 2:13	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: BP12B-CP-00-20250205

Sampled: 2/5/2025 09:10

Sample ID: 25B0236-04

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	50	µg/L	896024	1.621	1	000067-63-0	56	SW-846 8260D	2/7/25	2/8/25 2:13	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: BP12C-CP-00-20250205

Sampled: 2/5/2025 09:12

Sample ID: 25B0236-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	86	50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 2:38	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: BP12C-CP-00-20250205

Sampled: 2/5/2025 09:12

Sample ID: 25B0236-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 2:38	EEH
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		98.0	70-130					2/8/25 2:38	
Toluene-d8		98.4	70-130					2/8/25 2:38	
4-Bromofluorobenzene		99.5	70-130					2/8/25 2:38	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: BP12C-CP-00-20250205

Sampled: 2/5/2025 09:12

Sample ID: 25B0236-05

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	73	µg/L	1313200	1.618	1	000067-63-0	78	SW-846 8260D	2/7/25	2/8/25 2:38	EEH



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: BP13B-CP-00-20250205

Sampled: 2/5/2025 11:00

Sample ID: 25B0236-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	160	50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 3:04	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: BP13B-CP-00-20250205

Sampled: 2/5/2025 11:00

Sample ID: 25B0236-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:04	EEH
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		104		70-130				2/8/25 3:04	
Toluene-d8		98.2		70-130				2/8/25 3:04	
4-Bromofluorobenzene		104		70-130				2/8/25 3:04	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: BP13B-CP-00-20250205

Sampled: 2/5/2025 11:00

Sample ID: 25B0236-06

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	84	µg/L	1492780	1.62	1	000067-63-0	78	SW-846 8260D	2/7/25	2/8/25 3:04	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: BP13C-CP-00-20250205

Sampled: 2/5/2025 11:02

Sample ID: 25B0236-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	590	50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 3:29	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: BP13C-CP-00-20250205

Sampled: 2/5/2025 11:02

Sample ID: 25B0236-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:29	EEH
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		99.9		70-130				2/8/25 3:29	
Toluene-d8		98.7		70-130				2/8/25 3:29	
4-Bromofluorobenzene		98.6		70-130				2/8/25 3:29	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: BP13C-CP-00-20250205

Sampled: 2/5/2025 11:02

Sample ID: 25B0236-07

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	36	µg/L	636325	1.623	1	000067-63-0	78	SW-846 8260D	2/7/25	2/8/25 3:29	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: EW1A-CP-00-20250205

Sampled: 2/5/2025 11:20

Sample ID: 25B0236-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	370	50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 3:55	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: EW1A-CP-00-20250205

Sampled: 2/5/2025 11:20

Sample ID: 25B0236-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Tetrachloroethylene	3.6	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 3:55	EEH
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		101		70-130				2/8/25 3:55	
Toluene-d8		94.7		70-130				2/8/25 3:55	
4-Bromofluorobenzene		98.9		70-130				2/8/25 3:55	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: EW1A-CP-00-20250205

Sampled: 2/5/2025 11:20

Sample ID: 25B0236-08

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	9.6	µg/L	174755	1.626	1	000067-63-0	64	SW-846 8260D	2/7/25	2/8/25 3:55	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: EW1B-CP-00-20250205

Sampled: 2/5/2025 11:21

Sample ID: 25B0236-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	210	50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 4:20	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
cis-1,2-Dichloroethylene	1.1	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: EW1B-CP-00-20250205

Sampled: 2/5/2025 11:21

Sample ID: 25B0236-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:20	EEH
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		99.7		70-130				2/8/25 4:20	
Toluene-d8		98.8		70-130				2/8/25 4:20	
4-Bromofluorobenzene		103		70-130				2/8/25 4:20	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: EW1B-CP-00-20250205

Sampled: 2/5/2025 11:21

Sample ID: 25B0236-09

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	2/7/25	2/8/25 4:20	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: EWIC-CP-00-20250205

Sampled: 2/5/2025 11:22

Sample ID: 25B0236-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	90	50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 4:46	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: EWIC-CP-00-20250205

Sampled: 2/5/2025 11:22

Sample ID: 25B0236-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 4:46	EEH
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		99.4		70-130				2/8/25 4:46	
Toluene-d8		98.2		70-130				2/8/25 4:46	
4-Bromofluorobenzene		99.7		70-130				2/8/25 4:46	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: EWIC-CP-00-20250205

Sampled: 2/5/2025 11:22

Sample ID: 25B0236-10

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	8.0	µg/L	141840	1.623	1	000067-63-0	80	SW-846 8260D	2/7/25	2/8/25 4:46	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: EW7C-CP-00-20250205

Sampled: 2/5/2025 11:40

Sample ID: 25B0236-11

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	210	100	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Benzene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Bromochloromethane	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Bromodichloromethane	ND	1.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Bromoform	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Bromomethane	ND	4.0	µg/L	2	V-05	SW-846 8260D	2/7/25	2/8/25 6:27	EEH
2-Butanone (MEK)	ND	40	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
n-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
sec-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
tert-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Carbon Disulfide	ND	10	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Carbon Tetrachloride	ND	10	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Chlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Chlorodibromomethane	ND	1.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Chloroethane	ND	4.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Chloroform	ND	4.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Chloromethane	ND	4.0	µg/L	2	V-05	SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Cyclohexane	ND	10	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
1,2-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
1,3-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
1,4-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
1,1-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
1,2-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
1,1-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
cis-1,2-Dichloroethylene	2.8	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
trans-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
1,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
cis-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
trans-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Ethylbenzene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
2-Hexanone (MBK)	ND	20	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Isopropylbenzene (Cumene)	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
p-Isopropyltoluene (p-Cymene)	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Methyl Acetate	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Methyl Cyclohexane	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Methylene Chloride	ND	10	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Naphthalene	ND	4.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
n-Propylbenzene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Styrene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: EW7C-CP-00-20250205

Sampled: 2/5/2025 11:40

Sample ID: 25B0236-11

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Tetrachloroethylene	16	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Toluene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
1,2,3-Trichlorobenzene	ND	10	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
1,2,4-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
1,1,1-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
1,1,2-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Trichloroethylene	230	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
1,2,3-Trichloropropane	ND	4.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
1,2,4-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
1,3,5-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Vinyl Chloride	ND	4.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
m+p Xylene	ND	4.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
o-Xylene	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Xylenes (total)	ND	2.0	µg/L	2		SW-846 8260D	2/7/25	2/8/25 6:27	EEH
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		103	70-130					2/8/25 6:27	
Toluene-d8		96.4	70-130					2/8/25 6:27	
4-Bromofluorobenzene		100	70-130					2/8/25 6:27	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: EW7C-CP-00-20250205

Sampled: 2/5/2025 11:40

Sample ID: 25B0236-11

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	110	µg/L	965047	1.623	2	000067-63-0	78	SW-846 8260D	2/7/25	2/8/25 6:27	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: EW7D-CP-00-20250205

Sampled: 2/5/2025 11:41

Sample ID: 25B0236-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	250	50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 5:11	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: EW7D-CP-00-20250205

Sampled: 2/5/2025 11:41

Sample ID: 25B0236-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Tetrachloroethylene	2.0	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:11	EEH
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		102	70-130					2/8/25 5:11	
Toluene-d8		97.4	70-130					2/8/25 5:11	
4-Bromofluorobenzene		98.8	70-130					2/8/25 5:11	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: EW7D-CP-00-20250205

Sampled: 2/5/2025 11:41

Sample ID: 25B0236-12

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	54	µg/L	966255	1.621	1	000067-63-0	64	SW-846 8260D	2/7/25	2/8/25 5:11	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: LF1-CP-00-20250205

Sampled: 2/5/2025 10:10

Sample ID: 25B0236-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	190	50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 5:37	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: LF1-CP-00-20250205

Sampled: 2/5/2025 10:10

Sample ID: 25B0236-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 5:37	EEH
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		101		70-130				2/8/25 5:37	
Toluene-d8		98.1		70-130				2/8/25 5:37	
4-Bromofluorobenzene		99.6		70-130				2/8/25 5:37	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: LF1-CP-00-20250205

Sampled: 2/5/2025 10:10

Sample ID: 25B0236-13

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	42	µg/L	760406	1.623	1	000067-63-0	56	SW-846 8260D	2/7/25	2/8/25 5:37	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: M30BR-CP-00-20250205

Sampled: 2/5/2025 09:35

Sample ID: 25B0236-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	240	50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 6:02	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: M30BR-CP-00-20250205

Sampled: 2/5/2025 09:35

Sample ID: 25B0236-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	2/7/25	2/8/25 6:02	EEH
Surrogates		% Recovery		Recovery Limits		Flag/Qual			
1,2-Dichloroethane-d4		99.6		70-130				2/8/25 6:02	
Toluene-d8		98.3		70-130				2/8/25 6:02	
4-Bromofluorobenzene		101		70-130				2/8/25 6:02	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25B0236

Date Received: 2/6/2025

Field Sample #: M30BR-CP-00-20250205

Sampled: 2/5/2025 09:35

Sample ID: 25B0236-14

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	25	µg/L	444852	1.621	1	000067-63-0	64	SW-846 8260D	2/7/25	2/8/25 6:02	EEH

Sample Extraction Data

Prep Method:SW-846 5030B Analytical Method:SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25B0236-01 [QC-TB-CP-20250205]	B398413	5	5.00	02/07/25
25B0236-02 [BP5B-CP-00-20250205]	B398413	5	5.00	02/07/25
25B0236-03 [BP5C-CP-00-20250205]	B398413	5	5.00	02/07/25
25B0236-04 [BP12B-CP-00-20250205]	B398413	5	5.00	02/07/25
25B0236-05 [BP12C-CP-00-20250205]	B398413	5	5.00	02/07/25
25B0236-06 [BP13B-CP-00-20250205]	B398413	5	5.00	02/07/25
25B0236-07 [BP13C-CP-00-20250205]	B398413	5	5.00	02/07/25
25B0236-08 [EW1A-CP-00-20250205]	B398413	5	5.00	02/07/25
25B0236-09 [EW1B-CP-00-20250205]	B398413	5	5.00	02/07/25
25B0236-10 [EW1C-CP-00-20250205]	B398413	5	5.00	02/07/25
25B0236-11 [EW7C-CP-00-20250205]	B398413	2.5	5.00	02/07/25
25B0236-12 [EW7D-CP-00-20250205]	B398413	5	5.00	02/07/25
25B0236-13 [LF1-CP-00-20250205]	B398413	5	5.00	02/07/25
25B0236-14 [M30BR-CP-00-20250205]	B398413	5	5.00	02/07/25

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B398413 - SW-846 5030B										
Blank (B398413-BLK1)										
Prepared & Analyzed: 02/07/25										
Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							V-05
2-Butanone (MEK)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							V-05
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B398413 - SW-846 5030B										
Blank (B398413-BLK1)										
Prepared & Analyzed: 02/07/25										
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	25.2		µg/L	25.00		101	70-130			
Surrogate: Toluene-d8	24.8		µg/L	25.00		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	24.9		µg/L	25.00		99.6	70-130			
LCS (B398413-BS1)										
Prepared & Analyzed: 02/07/25										
Acetone	90.4	50	µg/L	100.0		90.4	70-160			†
Benzene	9.53	1.0	µg/L	10.00		95.3	70-130			
Bromochloromethane	9.03	1.0	µg/L	10.00		90.3	70-130			
Bromodichloromethane	10.7	0.50	µg/L	10.00		107	70-130			
Bromoform	11.6	1.0	µg/L	10.00		116	70-130			
Bromomethane	7.80	2.0	µg/L	10.00		78.0	40-160	V-05		†
2-Butanone (MEK)	96.3	20	µg/L	100.0		96.3	40-160			†
n-Butylbenzene	10.4	1.0	µg/L	10.00		104	70-130			
sec-Butylbenzene	10.7	1.0	µg/L	10.00		107	70-130			
tert-Butylbenzene	11.0	1.0	µg/L	10.00		110	70-130			
Carbon Disulfide	98.5	5.0	µg/L	100.0		98.5	70-130			
Carbon Tetrachloride	10.9	5.0	µg/L	10.00		109	70-130			
Chlorobenzene	10.7	1.0	µg/L	10.00		107	70-130			
Chlorodibromomethane	11.2	0.50	µg/L	10.00		112	70-130			
Chloroethane	8.80	2.0	µg/L	10.00		88.0	70-130			
Chloroform	9.83	2.0	µg/L	10.00		98.3	70-130			
Chloromethane	7.92	2.0	µg/L	10.00		79.2	40-160	V-05		†
Cyclohexane	9.32	5.0	µg/L	10.00		93.2	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	11.9	5.0	µg/L	10.00		119	70-130			
1,2-Dibromoethane (EDB)	11.1	0.50	µg/L	10.00		111	70-130			
1,2-Dichlorobenzene	11.3	1.0	µg/L	10.00		113	70-130			
1,3-Dichlorobenzene	11.0	1.0	µg/L	10.00		110	70-130			
1,4-Dichlorobenzene	10.8	1.0	µg/L	10.00		108	70-130			
Dichlorodifluoromethane (Freon 12)	9.69	2.0	µg/L	10.00		96.9	40-160			†
1,1-Dichloroethane	9.60	1.0	µg/L	10.00		96.0	70-130			
1,2-Dichloroethane	9.72	1.0	µg/L	10.00		97.2	70-130			
1,1-Dichloroethylene	9.52	1.0	µg/L	10.00		95.2	70-130			
cis-1,2-Dichloroethylene	9.61	1.0	µg/L	10.00		96.1	70-130			
trans-1,2-Dichloroethylene	9.53	1.0	µg/L	10.00		95.3	70-130			
1,2-Dichloropropane	9.55	1.0	µg/L	10.00		95.5	70-130			
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.00		101	70-130			
trans-1,3-Dichloropropene	10.3	0.50	µg/L	10.00		103	70-130			
Ethylbenzene	10.8	1.0	µg/L	10.00		108	70-130			
2-Hexanone (MBK)	104	10	µg/L	100.0		104	70-160			†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.00		104	70-130			
p-Isopropyltoluene (p-Cymene)	10.6	1.0	µg/L	10.00		106	70-130			
Methyl Acetate	8.83	1.0	µg/L	10.00		88.3	70-130			
Methyl tert-Butyl Ether (MTBE)	9.51	1.0	µg/L	10.00		95.1	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B398413 - SW-846 5030B										
LCS (B398413-BS1)										
Prepared & Analyzed: 02/07/25										
Methyl Cyclohexane	9.81	1.0	µg/L	10.00		98.1	70-130			
Methylene Chloride	8.82	5.0	µg/L	10.00		88.2	70-130			
4-Methyl-2-pentanone (MIBK)	107	10	µg/L	100.0		107	70-160			†
Naphthalene	11.5	2.0	µg/L	10.00		115	40-130			†
n-Propylbenzene	9.95	1.0	µg/L	10.00		99.5	70-130			
Styrene	10.1	1.0	µg/L	10.00		101	70-130			
1,1,2,2-Tetrachloroethane	10.7	0.50	µg/L	10.00		107	70-130			
Tetrachloroethylene	10.8	1.0	µg/L	10.00		108	70-130			
Toluene	10.4	1.0	µg/L	10.00		104	70-130			
1,2,3-Trichlorobenzene	12.0	5.0	µg/L	10.00		120	70-130			
1,2,4-Trichlorobenzene	11.2	1.0	µg/L	10.00		112	70-130			
1,1,1-Trichloroethane	10.8	1.0	µg/L	10.00		108	70-130			
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.00		105	70-130			
Trichloroethylene	10.8	1.0	µg/L	10.00		108	70-130			
Trichlorofluoromethane (Freon 11)	11.2	2.0	µg/L	10.00		112	70-130			
1,2,3-Trichloropropane	11.3	2.0	µg/L	10.00		113	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	1.0	µg/L	10.00		100	70-130			
1,2,4-Trimethylbenzene	10.8	1.0	µg/L	10.00		108	70-130			
1,3,5-Trimethylbenzene	10.4	1.0	µg/L	10.00		104	70-130			
Vinyl Chloride	8.69	2.0	µg/L	10.00		86.9	40-160			†
m+p Xylene	21.4	2.0	µg/L	20.00		107	70-130			
o-Xylene	10.5	1.0	µg/L	10.00		105	70-130			
Xylenes (total)	32.0	1.0	µg/L	30.00		107	0-200			
Surrogate: 1,2-Dichloroethane-d4	24.2		µg/L	25.00		96.8	70-130			
Surrogate: Toluene-d8	24.8		µg/L	25.00		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	24.5		µg/L	25.00		98.0	70-130			
LCS Dup (B398413-BSD1)										
Prepared & Analyzed: 02/07/25										
Acetone	94.4	50	µg/L	100.0		94.4	70-160	4.31	25	†
Benzene	9.59	1.0	µg/L	10.00		95.9	70-130	0.628	25	
Bromochloromethane	9.07	1.0	µg/L	10.00		90.7	70-130	0.442	25	
Bromodichloromethane	10.6	0.50	µg/L	10.00		106	70-130	1.51	25	
Bromoform	11.3	1.0	µg/L	10.00		113	70-130	2.70	25	
Bromomethane	7.92	2.0	µg/L	10.00		79.2	40-160	1.53	25	V-05 †
2-Butanone (MEK)	99.0	20	µg/L	100.0		99.0	40-160	2.78	25	†
n-Butylbenzene	9.73	1.0	µg/L	10.00		97.3	70-130	6.37	25	
sec-Butylbenzene	10.0	1.0	µg/L	10.00		100	70-130	6.36	25	
tert-Butylbenzene	10.3	1.0	µg/L	10.00		103	70-130	6.21	25	
Carbon Disulfide	95.9	5.0	µg/L	100.0		95.9	70-130	2.70	25	
Carbon Tetrachloride	10.8	5.0	µg/L	10.00		108	70-130	1.01	25	
Chlorobenzene	10.6	1.0	µg/L	10.00		106	70-130	0.844	25	
Chlorodibromomethane	10.9	0.50	µg/L	10.00		109	70-130	2.98	25	
Chloroethane	8.01	2.0	µg/L	10.00		80.1	70-130	9.40	25	
Chloroform	9.73	2.0	µg/L	10.00		97.3	70-130	1.02	25	
Chloromethane	7.41	2.0	µg/L	10.00		74.1	40-160	6.65	25	V-05 †
Cyclohexane	9.14	5.0	µg/L	10.00		91.4	70-130	1.95	25	
1,2-Dibromo-3-chloropropane (DBCP)	12.0	5.0	µg/L	10.00		120	70-130	1.51	25	
1,2-Dibromoethane (EDB)	10.7	0.50	µg/L	10.00		107	70-130	4.13	25	
1,2-Dichlorobenzene	10.5	1.0	µg/L	10.00		105	70-130	6.79	25	
1,3-Dichlorobenzene	10.0	1.0	µg/L	10.00		100	70-130	9.42	25	
1,4-Dichlorobenzene	9.98	1.0	µg/L	10.00		99.8	70-130	8.08	25	
Dichlorodifluoromethane (Freon 12)	9.41	2.0	µg/L	10.00		94.1	40-160	2.93	25	†

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B398413 - SW-846 5030B										
LCS Dup (B398413-BSD1)										
Prepared & Analyzed: 02/07/25										
1,1-Dichloroethane	9.59	1.0	µg/L	10.00		95.9	70-130	0.104	25	
1,2-Dichloroethane	9.32	1.0	µg/L	10.00		93.2	70-130	4.20	25	
1,1-Dichloroethylene	9.75	1.0	µg/L	10.00		97.5	70-130	2.39	25	
cis-1,2-Dichloroethylene	9.55	1.0	µg/L	10.00		95.5	70-130	0.626	25	
trans-1,2-Dichloroethylene	9.49	1.0	µg/L	10.00		94.9	70-130	0.421	25	
1,2-Dichloropropane	9.72	1.0	µg/L	10.00		97.2	70-130	1.76	25	
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.00		101	70-130	0.198	25	
trans-1,3-Dichloropropene	10.3	0.50	µg/L	10.00		103	70-130	0.388	25	
Ethylbenzene	10.8	1.0	µg/L	10.00		108	70-130	0.185	25	
2-Hexanone (MBK)	110	10	µg/L	100.0		110	70-160	5.67	25	†
Isopropylbenzene (Cumene)	10.5	1.0	µg/L	10.00		105	70-130	1.53	25	
p-Isopropyltoluene (p-Cymene)	9.99	1.0	µg/L	10.00		99.9	70-130	5.64	25	
Methyl Acetate	9.10	1.0	µg/L	10.00		91.0	70-130	3.01	25	
Methyl tert-Butyl Ether (MTBE)	9.67	1.0	µg/L	10.00		96.7	70-130	1.67	25	
Methyl Cyclohexane	9.39	1.0	µg/L	10.00		93.9	70-130	4.38	25	
Methylene Chloride	8.50	5.0	µg/L	10.00		85.0	70-130	3.70	25	
4-Methyl-2-pentanone (MIBK)	111	10	µg/L	100.0		111	70-160	4.26	25	†
Naphthalene	11.8	2.0	µg/L	10.00		118	40-130	2.15	25	†
n-Propylbenzene	10.2	1.0	µg/L	10.00		102	70-130	2.48	25	
Styrene	10.5	1.0	µg/L	10.00		105	70-130	3.89	25	
1,1,2,2-Tetrachloroethane	11.2	0.50	µg/L	10.00		112	70-130	4.10	25	
Tetrachloroethylene	10.4	1.0	µg/L	10.00		104	70-130	3.68	25	
Toluene	10.3	1.0	µg/L	10.00		103	70-130	1.35	25	
1,2,3-Trichlorobenzene	11.8	5.0	µg/L	10.00		118	70-130	1.34	25	
1,2,4-Trichlorobenzene	10.8	1.0	µg/L	10.00		108	70-130	3.17	25	
1,1,1-Trichloroethane	10.7	1.0	µg/L	10.00		107	70-130	0.932	25	
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.00		105	70-130	0.285	25	
Trichloroethylene	10.6	1.0	µg/L	10.00		106	70-130	1.87	25	
Trichlorofluoromethane (Freon 11)	10.5	2.0	µg/L	10.00		105	70-130	6.18	25	
1,2,3-Trichloropropane	11.7	2.0	µg/L	10.00		117	70-130	3.83	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.52	1.0	µg/L	10.00		95.2	70-130	4.92	25	
1,2,4-Trimethylbenzene	10.3	1.0	µg/L	10.00		103	70-130	4.28	25	
1,3,5-Trimethylbenzene	10.7	1.0	µg/L	10.00		107	70-130	3.51	25	
Vinyl Chloride	8.60	2.0	µg/L	10.00		86.0	40-160	1.04	25	†
m+p Xylene	21.4	2.0	µg/L	20.00		107	70-130	0.0466	25	
o-Xylene	10.8	1.0	µg/L	10.00		108	70-130	2.90	25	
Xylenes (total)	32.3	1.0	µg/L	30.00		108	0-200	0.996		
Surrogate: 1,2-Dichloroethane-d4	25.0		µg/L	25.00		100	70-130			
Surrogate: Toluene-d8	24.2		µg/L	25.00		97.0	70-130			
Surrogate: 4-Bromofluorobenzene	26.0		µg/L	25.00		104	70-130			

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
Z-01	TIC quality is less than method required 80. Analyst believes it to be a valid hit.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

Pace Analytical Services, LLC - East Longmeadow, Ma, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2026
NY	New York State Department of Health	10899 NELAP	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2026
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2025

Chain of Custody / Analysis Report

RAMBOLL		Sampler(s): Rebecca Britt		Zach Saltzman		Project Number: 25B0236		Laboratory Use Only	
Contact: Michael Grifasi		Laboratory: Old Bethpage, New York		Holding Time: 18:00		Preservatives: (see key at bottom)		Job Number:	
Address: 333 West Washington Street Syracuse, New York 13221-4873		Attn: michael.grifasi@ramboll.com		Package Requirement: Level 2 and Level 3		Field Filtered? (Y/N)		Laboratory ID:	
Phone: (315) 956-6100		Phone:		EDD Format: EQUS 4-file		Grab [G] or Composite [C]		Lab Sample ID:	
E-mail: michael.grifasi@ramboll.com		Project: NYSDEC Claremont Polychemical Site Q1 Sampling		Sample Matrix (See Key)		Number of Containers			
Location: Old Bethpage, New York		Sample Location		Sample Type (See Key)		Field Filtered? (Y/N)			
Sample Identification		Date		Time		Grab [G] or Composite [C]			
Unique Field Sample ID (sys_sample_code)		Date		Time		Number of Containers			
1 QC-TB-CP-20250205		2/5/2025		8:00		3		X	
2 BP5B-CP-00-20250205		2/5/2025		8:50		3		X	
3 BP5C-CP-00-20250205		2/5/2025		8:52		3		X	
4 BP12B-CP-00-20250205		2/5/2025		9:10		3		X	
5 BP12C-CP-00-20250205		2/5/2025		9:12		3		X	
6 BP13B-CP-00-20250205		2/5/2025		11:00		3		X	
7 BP13C-CP-00-20250205		2/5/2025		11:02		3		X	
8 EW1A-CP-00-20250205		2/5/2025		11:20		3		X	
9 EW1B-CP-00-20250205		2/5/2025		11:21		3		X	
10 EW1C-CP-00-20250205		2/5/2025		11:22		3		X	
11 EW7C-CP-00-20250205		2/5/2025		11:40		3		X	
12 EW7D-CP-00-20250205		2/5/2025		11:41		3		X	
13 LF1-CP-00-20250205		2/5/2025		10:10		3		X	
14 M30BR-CP-00-20250205		2/5/2025		9:35		3		X	

Special Instructions: 2 coolers: 1 for PFAS sample

Relinquished by: <i>Michael Grifasi</i>		Date: 2/5/25		Courier Name: MGA Pace		Date: 2-5-25		Condition:	
Signature: <i>Michael Grifasi</i>		Time: 18:20		Tracking #: <i>9456 8946 43</i>		Time: 18:36		Other comments or notes regarding condition of samples as received:	
Relinquished by: <i>Michael Grifasi</i>		Date: 2/5/25		Courier Name: MGA Pace		Date: 2/5/25		Custody Seals Intact? (If so, indicate the #, date, and time of the seal)	
Signature: <i>Michael Grifasi</i>		Time: 18:00		Tracking #: <i>9456 8946 43</i>		Time: 18:00		Cooler Temperature: 0.5	
Relinquished by: <i>Michael Grifasi</i>		Date: 2-5-25		Courier Name: MGA Pace		Date: 2/5/25			
Signature: <i>Michael Grifasi</i>		Time: 20:53		Tracking #: <i>9456 8946 43</i>		Time: 20:53			

Use the top boxes if the samples are to be shipped via courier (e.g., FedEx)

Relinquished by: *Michael Grifasi* Ramboll

Signature: *Michael Grifasi* FedEx

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Confidential

2-5-25 0:00

2013 2/5/25 2230 (2) 0200

ATTACHMENT D
FIELD DOCUMENTATION

PFAS Pre-Sampling Checklist

Site Name: _____ Task: _____

Weather (temp/precip): _____ Date: _____

Pre-Mobilization:

- The QAPP or other site-specific field guidance has been consulted for sample locations, QC sampling requirements, and sample nomenclature

Field Clothing and PPE:

- Using white Tyvek®; not using yellow Tyvek®
- Clothing has not been most recently washed with fabric softeners or other treatments
- Clothing has not been permanently chemically treated for insect resistance or UV protection
- Clothing has not been treated with materials or formulations potentially containing PTFE or other PFAS products listed named in this checklist
- Any personal care products, if used, have been applied outside sampling zone, hands have been washed, and new nitrile gloves are being used
- Any use of sunscreens or insect repellants is consistent with the commercial products named in this checklist

Field Equipment:

- Subcontractor (e.g., driller) materials and equipment conform to the requirements of this checklist (as applicable)
- Sampling equipment is free of PTFE and other potentially PFAS-containing components listed in this checklist
- Sampling equipment is made from stainless steel, HDPE, acetate, silicon, HDPE, or nylon
- Waterproof field books, waterproof paper, and Post-It Notes® are not used
- Markers (e.g., Sharpies®) are used only in the staging area or are not used

Sample Containers:

- Water ice is in use only, not chemical (blue) ice packs
- Sample containers have been received and are made of HDPE or polypropylene
- Bottleneck for non-drinking water samples do not contain preservative
- Caps are unlined and made of HDPE or polypropylene

Wet Weather (as applicable):

- Wet weather gear made of polyurethane and PVC only, or is being worn under white Tyvek® covering

Equipment Decontamination (as applicable):

- On-site or off-site public or private water, if to be used for equipment decontamination, has been analyzed and is "PFAS-free" (water that does not contain any site-specific target PFAS analytes above laboratory detection limits).
- Alconox®, Liquinox®, or Citranox® are being used as decontamination cleaning agents; Decon 90® is not being used

Food Considerations:

- Any pre-wrapped food or snacks, carry-out food, fast food, or other food items will remain in the staging area
- Any food items, will be consumed outside the sampling zone, hands will be washed, and new PPE and nitrile gloves will be used

Work Area and Vehicle Considerations:

- Work areas, including vehicle interiors if used for sample handling, are covered with HDPE or LDPE plastic to prevent contact with potentially PFAS-containing materials and surfaces

If any applicable boxes cannot be checked, describe deviations below and work with field personnel to address issues prior to commencement of that day's work. Materials present and identified as potentially containing PFAS through use of this checklist should be relocated to the support area or other area of the site away from the sampling locations and noted below.

Field Team Leader Name and Signature

Time

Field clothing and PPE to be **avoided** include:

- Clothing that has recently been washed with fabric softener.
- Coated (i.e., yellow) Tyvek®.
- Clothing chemically treated for insect resistance and ultraviolet protection.
- Clothing that has been treated with water and/or stain resistant coatings such as:
 - Any Teflon® fabric protectors (e.g., Gore Tex)
 - Any Scotchgard™ fabric protectors
 - Bionic Finish®
 - GreenShield®
 - High-Performance Release Teflon®
 - Lurotex Protector RL ECO®

 - Resists Spills™ and Releases Stains™
 - RUCO®
 - RUCO-COAT®
 - RUCO-GUARD®
 - RUCO-PROTECT®
 - RUCOSTAR®

 - NK Guard S series
 - Oleophobol CP®
 - Repel Teflon® fabric protector
 - Repellan KFC®

 - Rucostar® EEE6
 - RUCOTEC®
 - Ultra Release Teflon®

 - Unidyne™

If required, sun and biological protection products **preferred for use** (however, care should be taken to use these exact products because similar products from the same brand may contain PFAS) include:

- Alba Organics Natural Sunscreen
- Aubrey Organics
- Avon Skin So Soft Bug Guard-SPF 30
- Baby Ganics
- Banana Boat for Men Triple Defense Continuous Spray Sunscreen SPF 30
- Banana Boat Sport Performance Coolzone Broad Spectrum SPF 30
- Banana Boat Sport Performance Sunscreen Lotion Broad Spectrum SPF 30
- Banana Boat Sport Performance Sunscreen Stick SPF 50
- California Baby Natural Bug Spray

- Coppertone Sport High-Performance AccuSpray Sunscreen SPF 30
- Coppertone Sunscreen Lotion Ultra Guard Broad Spectrum SPF 50
- Coppertone Sunscreen Stick Kids SPF 55
- Herbal Armor
- Jason Natural Quit Bugging Me
- Jason Natural Sun Block
- Kiss My Face
- L'Oréal Silky Sheer Face Lotion 50+
- Meijer Clear Zinc Sunscreen Lotion Broad Spectrum SPF 15, 30 and 50
- Meijer Wet Skin Kids Sunscreen Continuous Spray Broad Spectrum SPF 70
- Neutrogena Beach Defense Water + Sun Barrier Lotion SPF 70
- Neutrogena Beach Defense Water + Sun Barrier Spray Broad Spectrum SPF 30
- Neutrogena Pure & Free Baby Sunscreen Broad Spectrum SPF 60+
- Neutrogena Ultra-Sheer Dry-Touch Sunscreen Broad Spectrum SPF 30
- Repel Lemon Eucalyptus
- Sawyer Permethrin
- Yes To Cucumbers

Sampling equipment and materials to be **avoided**, which include:

- Polytetrafluoroethylene (PTFE), including the trademarks Teflon® and Hostaflon®.
- Fluorinated ethylene propylene (FEP), including the trademarks Teflon® FEP, Hostaflon® FEP, and Neoflon®.
- Polyvinylidene fluoride (PVDF), including the trademark Kynar®.
- Polychlorotrifluoroethylene (PCTFE), including the trademark Neoflon®.
- Ethylene-tetrafluoroethylene (ETFE), including the trademark Tefzel®.
- Trademarks Viton®, Gore-Tex® and Decon 90® products with the term "fluoro" in the product name.
- Waterproof field notebooks.
- New clothing, as it may have fabric treatment applied.
- Post-It® notes or similar.
- Decon 90®.

PFAS Pre-Sampling Checklist

Site Name: _____ Task: _____

Weather (temp/precip): _____ Date: _____

Pre-Mobilization:

- The QAPP or other site-specific field guidance has been consulted for sample locations, QC sampling requirements, and sample nomenclature

Field Clothing and PPE:

- Using white Tyvek®; not using yellow Tyvek®
- Clothing has not been most recently washed with fabric softeners or other treatments
- Clothing has not been permanently chemically treated for insect resistance or UV protection
- Clothing has not been treated with materials or formulations potentially containing PTFE or other PFAS products listed named in this checklist
- Any personal care products, if used, have been applied outside sampling zone, hands have been washed, and new nitrile gloves are being used
- Any use of sunscreens or insect repellants is consistent with the commercial products named in this checklist

Field Equipment:

- Subcontractor (e.g., driller) materials and equipment conform to the requirements of this checklist (as applicable)
- Sampling equipment is free of PTFE and other potentially PFAS-containing components listed in this checklist
- Sampling equipment is made from stainless steel, HDPE, acetate, silicon, HDPE, or nylon
- Waterproof field books, waterproof paper, and Post-It Notes® are not used
- Markers (e.g., Sharpies®) are used only in the staging area or are not used

Sample Containers:

- Water ice is in use only, not chemical (blue) ice packs
- Sample containers have been received and are made of HDPE or polypropylene
- Bottlere for non-drinking water samples do not contain preservative
- Caps are unlined and made of HDPE or polypropylene

Wet Weather (as applicable):

- Wet weather gear made of polyurethane and PVC only, or is being worn under white Tyvek® covering

Equipment Decontamination (as applicable):

- On-site or off-site public or private water, if to be used for equipment decontamination, has been analyzed and is "PFAS-free" (water that does not contain any site-specific target PFAS analytes above laboratory detection limits).
- Alconox®, Liquinox®, or Citranox® are being used as decontamination cleaning agents; Decon 90® is not being used

Food Considerations:

- Any pre-wrapped food or snacks, carry-out food, fast food, or other food items will remain in the staging area
- Any food items, will be consumed outside the sampling zone, hands will be washed, and new PPE and nitrile gloves will be used

Work Area and Vehicle Considerations:

- Work areas, including vehicle interiors if used for sample handling, are covered with HDPE or LDPE plastic to prevent contact with potentially PFAS-containing materials and surfaces

If any applicable boxes cannot be checked, describe deviations below and work with field personnel to address issues prior to commencement of that day's work. Materials present and identified as potentially containing PFAS through use of this checklist should be relocated to the support area or other area of the site away from the sampling locations and noted below.

Field Team Leader Name and Signature

Time

Field clothing and PPE to be **avoided** include:

- Clothing that has recently been washed with fabric softener.
- Coated (i.e., yellow) Tyvek®.
- Clothing chemically treated for insect resistance and ultraviolet protection.
- Clothing that has been treated with water and/or stain resistant coatings such as:
 - Any Teflon® fabric protectors (e.g., Gore Tex)
 - Any Scotchgard™ fabric protectors
 - Bionic Finish®
 - GreenShield®
 - High-Performance Release Teflon®
 - Lurotex Protector RL ECO®

 - Resists Spills™ and Releases Stains™
 - RUCO®
 - RUCO-COAT®
 - RUCO-GUARD®
 - RUCO-PROTECT®
 - RUCOSTAR®

 - NK Guard S series
 - Oleophobol CP®
 - Repel Teflon® fabric protector
 - Repellan KFC®

 - Rucostar® EEE6
 - RUCOTEC®
 - Ultra Release Teflon®

 - Unidyne™

If required, sun and biological protection products **preferred for use** (however, care should be taken to use these exact products because similar products from the same brand may contain PFAS) include:

- Alba Organics Natural Sunscreen
- Aubrey Organics
- Avon Skin So Soft Bug Guard-SPF 30
- Baby Ganics
- Banana Boat for Men Triple Defense Continuous Spray Sunscreen SPF 30
- Banana Boat Sport Performance Coolzone Broad Spectrum SPF 30
- Banana Boat Sport Performance Sunscreen Lotion Broad Spectrum SPF 30
- Banana Boat Sport Performance Sunscreen Stick SPF 50
- California Baby Natural Bug Spray

- Coppertone Sport High-Performance AccuSpray Sunscreen SPF 30
- Coppertone Sunscreen Lotion Ultra Guard Broad Spectrum SPF 50
- Coppertone Sunscreen Stick Kids SPF 55
- Herbal Armor
- Jason Natural Quit Bugging Me
- Jason Natural Sun Block
- Kiss My Face
- L'Oréal Silky Sheer Face Lotion 50+
- Meijer Clear Zinc Sunscreen Lotion Broad Spectrum SPF 15, 30 and 50
- Meijer Wet Skin Kids Sunscreen Continuous Spray Broad Spectrum SPF 70
- Neutrogena Beach Defense Water + Sun Barrier Lotion SPF 70
- Neutrogena Beach Defense Water + Sun Barrier Spray Broad Spectrum SPF 30
- Neutrogena Pure & Free Baby Sunscreen Broad Spectrum SPF 60+
- Neutrogena Ultra-Sheer Dry-Touch Sunscreen Broad Spectrum SPF 30
- Repel Lemon Eucalyptus
- Sawyer Permethrin
- Yes To Cucumbers

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- Trademarks Viton®, Gore-Tex® and Decon 90® products with the term "fluoro" in the product name.
- Waterproof field notebooks.
- New clothing, as it may have fabric treatment applied.
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PFAS Pre-Sampling Checklist

Site Name: _____ Task: _____

Weather (temp/precip): _____ Date: _____

Pre-Mobilization:

- The QAPP or other site-specific field guidance has been consulted for sample locations, QC sampling requirements, and sample nomenclature

Field Clothing and PPE:

- Using white Tyvek®; not using yellow Tyvek®
- Clothing has not been most recently washed with fabric softeners or other treatments
- Clothing has not been permanently chemically treated for insect resistance or UV protection
- Clothing has not been treated with materials or formulations potentially containing PTFE or other PFAS products listed named in this checklist
- Any personal care products, if used, have been applied outside sampling zone, hands have been washed, and new nitrile gloves are being used
- Any use of sunscreens or insect repellants is consistent with the commercial products named in this checklist

Field Equipment:

- Subcontractor (e.g., driller) materials and equipment conform to the requirements of this checklist (as applicable)
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- Waterproof field books, waterproof paper, and Post-It Notes® are not used
- Markers (e.g., Sharpies®) are used only in the staging area or are not used

Sample Containers:

- Water ice is in use only, not chemical (blue) ice packs
- Sample containers have been received and are made of HDPE or polypropylene
- Bottleneck for non-drinking water samples do not contain preservative
- Caps are unlined and made of HDPE or polypropylene

Wet Weather (as applicable):

- Wet weather gear made of polyurethane and PVC only, or is being worn under white Tyvek® covering

Equipment Decontamination (as applicable):

- On-site or off-site public or private water, if to be used for equipment decontamination, has been analyzed and is "PFAS-free" (water that does not contain any site-specific target PFAS analytes above laboratory detection limits).
- Alconox®, Liquinox®, or Citranox® are being used as decontamination cleaning agents; Decon 90® is not being used

Food Considerations:

- Any pre-wrapped food or snacks, carry-out food, fast food, or other food items will remain in the staging area
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 - Lurotex Protector RL ECO®

 - Resists Spills™ and Releases Stains™
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- Jason Natural Sun Block
- Kiss My Face
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PFAS Pre-Sampling Checklist

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 - Bionic Finish®
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 - Resists Spills™ and Releases Stains™
 - RUCO®
 - RUCO-COAT®
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- Herbal Armor
- Jason Natural Quit Bugging Me
- Jason Natural Sun Block
- Kiss My Face
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- Sawyer Permethrin
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- Polyvinylidene fluoride (PVDF), including the trademark Kynar®.
- Polychlorotrifluoroethylene (PCTFE), including the trademark Neoflon®.
- Ethylene-tetrafluoroethylene (ETFE), including the trademark Tefzel®.
- Trademarks Viton®, Gore-Tex® and Decon 90® products with the term "fluoro" in the product name.
- Waterproof field notebooks.
- New clothing, as it may have fabric treatment applied.
- Post-It® notes or similar.
- Decon 90®.



Low Flow Groundwater Sampling Log

Well ID: MW-CPC-36
 Northing: _____
 Easting: _____

Site Name: Claremont Poly Sampling Method: Submersible Pump Field Personnel: BRO RLB
 Site Location: Old Bethpage, NY Equipment Used: GeoPump Bladder Date: 1/30/2025
 Project #: 1940101703 Pump/Controller ID#: 8350/213131 Weather: 28F Sunny

Well information: Installed Depth of Well*: 255.70 ft. bmp. _____ 1 in. = 0.041 gal/ft Measurement Point*: Top of Well Casing
 Measured Depth of Well*: 255.70 ft. bmp. X 2 in. = 0.163 gal/ft If other: _____
 Depth to Water*: 21.60 ft. bmp. _____ 4 in. = 0.653 gal/ft
 Water Column Length (LWC): 234.10 ft. _____ 6 in. = 1.469 gal/ft Well Volume: 38.2 gallons
 Well Diameter: 2.0 in. _____ 8 in. = 2.611 gal/ft Pump Intake Depth*: 251.0 ft. bmp.

Start Purge Time: 11:20
 Initial: Color Clear Odor None Sheen/Free Product None
Select Units from Dropdown Menus

Elapsed Time Minutes	Depth to Water ft bmp	Temperature Celsius	pH SU	Specific Conductivity mS/cm	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Flow Rate ml/min	Other
0:00	21.60	9.7	6.29	1.14	78.6	3.74	6.02	250	
5	21.74	10.3	6.74	1.22	-14.9	5.04	6.99	250	
10	21.74	11.2	8.01	1.27	-230.2	2.52	5.67	250	
15	21.71	11.2	8.03	1.28	-251.3	2.27	2.77	250	
20	21.70	11.2	8.01	1.32	-262.4	2.22	3.01	250	
25	21.68	11.3	8.00	1.40	-264.6	1.90	3.58	250	
30	21.72	11.3	8.06	1.43	-261.8	1.90	3.07	250	
35	21.72	11.1	8.07	1.47	-268.4	1.46	3.12	250	
40	21.72	11.4	8.08	1.50	-262.0	1.23	3.62	250	
45	21.72	11.2	8.09	1.52	-264.0	1.15	2.73	250	
50	21.72	11.6	8.08	1.52	-268.4	1.06	2.54	250	
55	21.72	11.3	8.09	1.53	-269.5	1.00	2.96	250	
60	21.72	11.4	8.08	1.54	-268.0	1.02	2.22	250	
65	21.72	11.5	7.81	1.52	-240.9	1.10	2.12	250	
70	21.68	11.1	7.55	1.48	-200.8	1.09	3.88	250	
75	21.68	11.3	7.39	1.45	-181.2	1.05	3.26	250	
80	21.68	11.1	7.32	1.44	-169.1	1.04	2.11	250	
85	21.68	11.1	7.34	1.44	-163.7	1.06	3.36	250	
90	21.68	11.5	7.26	1.42	-166.6	0.99	3.92	250	
Stabilization	$\Delta \leq 0.3'$	$\pm 3\%$	± 0.1	$\pm 3\%$	± 10 mV	$\pm 10\%$	$\pm 10\%$	$200 \leq X \leq 500$	

End Purge Time: 12:50 DO Titration: X mg/L
 Total volume of groundwater purged: 7 gal.
 Final: Color Clear Odor Slight Unknown Chemical Sheen/Free Product None

Analytical Sample ID: MW-CPC-36-23-251-20250130-0 **Date:** 1/30/2025 **Time:** 12:55

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
500 ml	Polyethylene	2	No	None	Pace Analytical
1 liter	Amber Glass	2	No	None	Pace Analytical
40 ml	Clear VOA	3	No	HCl	Pace Analytical

Notes: _____



Low Flow Groundwater Sampling Log

Well ID: MW-CPC-38
 Northing: _____
 Easting: _____

Site Name: Claremont Poly Sampling Method: Submersible Pump Field Personnel: BRO, RLB
 Site Location: Old Bethpage, NY Equipment Used: GeoPump Bladder Date: 1/28/2025
 Project #: 1940101703 Pump/Controller ID#: 8350/213131 Weather: 35F, Sunny

Well information: Installed Depth of Well*: 395.00 ft. bmp. _____ 1 in. = 0.041 gal/ft Measurement Point*: Top of Well Casing
 Measured Depth of Well*: 395.00 ft. bmp. X 2 in. = 0.163 gal/ft If other: _____
 Depth to Water*: 27.54 ft. bmp. _____ 4 in. = 0.653 gal/ft
 Water Column Length (LWC): 367.46 ft. _____ 6 in. = 1.469 gal/ft Well Volume: 58.0 gallons
 Well Diameter: 2.0 in. _____ 8 in. = 2.611 gal/ft Pump Intake Depth*: 391.0 ft. bmp.

Start Purge Time: 10:45
 Initial: Color Clear Odor Slight Unknown Chemical Sheen/Free Product None
Select Units from Dropdown Menus

Elapsed Time Minutes	Depth to Water ft bmp	Temperature Celsius	pH SU	Specific Conductivity mS/cm	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Flow Rate ml/min	Other
0:00	28.30	9.6	10.34	0.203	-125.1	7.56	17.2	175	
5	28.25	10.9	10.21	0.207	-118.0	9.02	14.6	175	
10	28.25	11.7	10.50	0.206	-165.0	4.41	12.8	200	
15	28.15	11.7	10.55	0.203	-193.7	3.20	11.0	200	
20	28.05	12.1	10.42	0.203	-196.2	2.79	17.1	200	
25	27.90	12.1	10.52	0.203	-203.2	2.32	18.5	200	
30	27.85	12.1	10.48	0.204	-210.5	1.95	18.1	200	
35	27.85	12.3	10.46	0.203	-213.4	1.69	18.0	200	
40	27.85	12.1	10.44	0.203	-216.6	1.53	17.9	200	
45	27.85	12.1	10.43	0.204	-218.8	1.32	18.4	200	
50	27.85	12.3	10.45	0.204	-218.6	1.23	18.7	200	
55	27.85	12.3	10.44	0.204	-216.9	1.05	20.2	200	
60	27.85	12.2	10.40	0.203	-218.4	0.57	23.6	200	
65	27.85	12.4	10.40	0.202	-215.3	0.50	30.0	200	
70	27.85	12.3	10.37	0.201	-216.9	0.45	38.5	200	
75	27.85	12.2	10.37	0.199	-216.5	0.43	57.4	200	
80	27.85	12.3	10.29	0.195	-217.6	0.41	82.4	200	
85	27.85	12.3	10.25	0.182	-184.5	0.77	91.3	200	
90	27.85	12.4	10.17	0.171	-202.1	0.62	100	200	
Stabilization	$\Delta \leq 0.3'$	$\pm 3\%$	± 0.1	$\pm 3\%$	± 10 mV	$\pm 10\%$	$\pm 10\%$	$200 \leq X \leq 500$	

End Purge Time: 12:40 DO Titration: X mg/L
 Total volume of groundwater purged: 6 gal.
 Final: Color Clear Odor Slight Unknown Chemical Sheen/Free Product None

Analytical Sample ID: MW-CPC-38-23-391-250128-0 **Date:** 1/28/2025 **Time:** 12:45

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
500 ml	Polyethylene	2	No	None	Pace Analytical
1 liter	Amber Glass	2	No	None	Pace Analytical
60 ml	Clear VOA	3	No	HCl	Pace Analytical

Notes: _____

