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2023 SECOND QUARTER GROUNDWATER MONITORING REPORT CLAREMONT POLYCHEMICAL CORPORATION SITE

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2023 SECOND 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 second quarter of 2023 (April through June) 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.

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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 (becauseof 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- dichloroethene (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.

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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 disposalof 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 pant 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

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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-siteplume instead of constructing a new treatment facility. At that time the Town of Oyster Bayowned 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.

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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**). Thefive 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/dayor 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

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

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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 SystemDescription

The OU-5 GWE&T system was originally designed to capture and treat organic contaminants associated with the contaminated groundwater plume identified because ofthe disposal of hazardous substances at the Old Bethpage Landfill site (NYDEC 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 ofScreen (ft bgs)	Bottom ofScreen (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. Thesewells 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 insubstantial system downtime and, thus, decreased average flow rates for influent (539 gpm, or 775,450 gpd) and

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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 sits 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.

On December 31, 2019 RW-4 tripped offline and diagnostic efforts confirmed the motor and pump needed replacement. The pump and motor for RW-4 were replaced April 7, 2020, and RW-4 was again fully functional. During the 2020 reporting year there were no upgrades or significant maintenance items at the facility, following the RW-4 pump replacement.

On March 12, 2022, the treatment system experienced problems with RW-5 that, following attempts to reset the system, remained nonfunctional. Inspections on March 28, 2022, revealed one of the motor wires was snapped and the pump would require replacement. The RW-5 pressure switch was replaced on January 5, 2023, and the well was successfully restarted on automatic run mode. RW-5 experienced an electrical short across the motor windings on January 26, 2023, and was confirmed inoperable. The motor short circuiting was confirmed on March 13, 2023 during pump extraction and inspection activities. The RW-5 motor and wiring was replaced on May 1, 2023 and has been operating normally to date.

On August 17th, 2022, RW-4 shut down and was unable to be restarted. On May 2, 2023, following full replacement of pump, pump motor and down well wiring, RW-4 was returned to operation. To date, RW-4 has operating normally.

Refer to the Monthly O&M reports for April through June 2023 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 second quarter of 2023 were 240 gpm in April, 703 gpm in May, and 702 gpm in June.

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 totalized.

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

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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.

The effluent is directed into a receiving wet-well, where another triplex pump arrangement delivers it 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 2.85 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 ofapproximately one million gpd. Daily flow readings are provided in the O&M reports submitted monthly to NYSDEC (refer to the June 2023 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	April Total Flow (gallons)	May Total Flow (gallons)	June Total Flow (gallons)
RW-1*	600*	600*	745*

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Location	April Total Flow (gallons)	May Total Flow (gallons)	June Total Flow (gallons)
RW-2*	0	0	1,045*
RW-3	11,246,000	9,197,000	9,433,000
RW-4	0	10,988,000	11,806,000
RW-5	0	10,703,000	11,050,000
Total Influent	11,880,000	31,390,000	33,326,000
Total Effluent	10,674,000	31,170,000	32,310,000
*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 second quarter of 2023, the system processed approximately 38 million gallons with the following average daily flow rates:

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

Month (2023)	Average Daily Flow (gallons per day)
April	344,323
May	1,012,581
June	1,042,258
Quarterly Average	799,720

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 608.19 kilograms (1,340.82 pounds) of TCE, 75.70 kilograms (166.89 pounds)of PCE, and 11.53 kilograms (25.42 pounds) of 1,1-DCE have been

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removed by the OU-5 system (as of the 2023 second quarter process sampling event which was performed in June 2023).

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 2023 (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	15.52
	Q2	Offline	36.39
	Q3	Offline	3.71
	Q4	Offline	4.04
2023	Q1	Offline	5.75
	Q2	Offline	6.94
Cumulative Total		947*	683.25

*Cumulative totals presented for OU-4 are from 2002 through 2016.

**Cumulative totals presented for OU-5 are from October 1st, 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 Kjehldahl 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 second quarter of 2023. In addition, the effluent concentrations of detected parameters, were under permissible levels: barium (81 µg/L), iron (69 µg/L), manganese (140 µg/L), zinc (18 µg/L), total nitrogen (7.8 mg/L), total dissolved solids (270 mg/L), chloride ion (110 mg/L), and sulfate ion (17 mg/L) during the second quarter of 2023 when sampled in June 2023. The addition of emerging contaminant sampling to system monitoring is detailed in the following section. All other

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constituents monitored for discharge requirements met their respective discharge limitations as indicated in the monthly O&M reports relevant to this quarter.

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

	April	May	June
Average Effluent pH (su)	7.28	7.56	7.36

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-approvedlaboratory (#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 537 (modified) in January 2023. Beginning in February 2023, PFAS samples were analyzed (and will continue to be 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).

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Detected concentrations for compounds that exceeded their respective evaluation criteria or standards for the second quarter of 2023 are shown in the summary table below. The sum of PFOA and PFOS as well as the total PFAS are provided for informational purposes. **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– 2Q2023 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	**April 2023**	**44**	**13**	**44**
	May 2023	**24**	**19**	**43**
	June 2023	**20**	**15**	**35**
Effluent (PD-009)	**April 2023**	**43**	**15**	**44**
	May 2023	**20**	**21**	**45**
	June 2023	**18**	**15**	**35**

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.

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4. GROUNDWATER MONITORING PROGRAM

A network of 55 monitoring wells is used to monitor groundwater quality and effectivenessof 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**. The synoptic groundwater level measurement for this quarter was performed on May 9, 2023. It should be noted that wells BP-11, EW-6C and ORW-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 58.97 feet (vertical datum NAVD88) as measured by Ramboll. Depths to groundwater (DTW) in May 2023 ranged from 21.06 feet (well MW-CPC-41) to 103.62 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.

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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 April 26 and May 16, 2023. Ramboll and GES sampled 48 of the 49 CPC monitoring network wells. No sample was collected at MW-6A due to insufficient water.

The 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

Second quarter 2023 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*

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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 in 51 field samples (including the field duplicates) collected from PDBs. Detected concentrations of acetone exceeded the NYSDEC TOGS 1.1.1. guidance value of 50 µg/L in 36 groundwater samples (BP-3A, BP-3B, BP-5B, BP-12B, BP-12C, BP-13B, DW-1, DW-2 [primary and duplicate sample], EW-1A, EW-1B, , EW-2A, EW-2C, EW-2D, EW-4A, , EW-4C, EW-4D, EW-5, EW-7C, , EW-14D, LF-1, M-30B-R, MW-5B, MW-6B, MW-6C, MW-6E, MW-6F, MW-7B-R, MW-8A, MW-8C, MW-9B, MW-9C, MW-10D, MW-11A, OBS-1, and SW-1). Acetone was not detected in any of the MW-CPC monitoring wells. Although acetone is a common laboratory contaminant, its continued detection in the quarterly samples indicates that it may be present in the groundwater rather than a laboratory contaminant.

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	3.3	0.83 J	**5.4**	< 2 U	< 1 U	1.6	< 1 U
BP-3C	**11**	1.5	**6.9**	0.60 J	< 1 U	1.7	0.43 J
DW-1	**4.8**	0.61 J	**7.4**	< 2 U	< 1 U	< 1 U	< 1 U
EW-04A	**23**	3.5	**48**	< 2 U	< 1 U	< 1 U	< 1 U
EW-04C	1.9	**19**	0.31 J	< 2 U	< 1 U	< 1 U	< 1 U
EW-07C	**12 D**	**200 D**	3.0 JD	< 8 U	< 4 U	< 4 U	< 4 U
EW-11D	**34 D**	**120 D**	4.8 D	< 4 U	< 2 U	3.0 D	< 2 U
EW-12D	**10 D**	**220 D**	**5.2 D**	< 8 U	< 4 U	< 4 U	< 4 U
EW-14D	0.74 J	**22**	0.32 J	< 2 U	**0.35 J**	< 1 U	< 1 U
MW-10D	4.6 D	**88 D**	4.1 D	< 4 U	1.1 JD	1.7 JD	< 2 U
MW-11A	2.6	3.4	**40**	< 2 U	< 1 U	4.8	< 1 U
MW-11B	3.0	4.3	**26**	**2.1**	**1.3**	**19**	**1.5**
MW-7B-R	0.96 J	**31**	0.93 J	< 2 U	< 1 U	< 1 U	< 1 U
MW-CPC-36	**25**	**5.3**	**46**	< 2 U	**1.9**	0.83 J	**22**
MW-CPC-37	< 1 U	0.28 J	**8.6**	1.8 J	< 1 U	2.4	0.25 J
MW-CPC-40	< 1 U	2.6	< 1 U	< 2 U	< 1 U	**7.5**	< 1 U
SW-1	**86 D**	**15 D**	**15 D**	< 2 U	< 1 U	< 1 U	< 1 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 A** 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.

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4.3.2 Groundwater Emerging Contaminant Results

In the second quarter of 2023, 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	**7.2**	**140**	**110**
MW-CPC-37	**23**	**19**	**56**
MW-CPC-38	**0.59**	<5.1	<5.1
MW-CPC-40	**3.4**	<0.96	<0.96
MW-CPC-41	**2.6**	**22**	**27**

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)

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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 (**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-4A, 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 generally trending downward since the OU-4 plant was shut down (**Figure 27**). An upward trend of TCE concentrations in EW-12D has been observed since the plant shutdown (**Figure 20**). A slight upward trend at of TCE at EW-7C is also observed since the third quarter in 2020 (**Figure 17**).

The selected remedy for FAL (OU-1) and off-site (OU-2) outlined in the March 2019 ROD includes enhanced bioremediation, vapor mitigation, and various intuitional controls.

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. The concentration of TCE decreased in the second quarter in 2023 to 22 µg/L from 29 µg/L in the fourth quarter of 2022. 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.

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

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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	Slightly 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 increasing	Figure 14
EW-4C	145-155	East of CPC	Slightly decreasing	Slightly decreasing	Figure 15
EW-4D	285-295	East of CPC	Decreasing	Decreasing	Figure 16
EW-7C	189-199	Upgradient, North of CPC	Slightly decreasing	Slightly decreasing	Figure 17
EW-7D	273-283	Upgradient, North of CPC	Decreasing	Decreasing	Figure 18

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Well	Screen Depth[1]	Location	PCE Trend	TCE Trend	Figure
MW-10D	346-351	Southeast of CPC	Decreasing	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
BP-3A	54-74	South-southeast of CPC	Decreasing	Decreasing	Figure 22
BP-3B	215-235	South-southeast of CPC	Slightly decreasing	Decreasing	Figure 23
BP-3C	280-300	South-southeast of CPC	Slightly increasing	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.

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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.

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5. CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

The second quarter of 2023 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 recently completed 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 capturedby 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 increased from the third quarter of 2021 through the second quarter of 2023 (see **Figure 31**). However, due to the pump issue associated with recovery wells RW-4 and RW-5, influent concentrations decreased in the third quarter of 2022 (TCE and PCE concentrations at RW-4 are, in general, an order of magnitude higher than concentrations observed at both RW-3 and RW-5) with an increase observed during the second quarter of 2023.
- A total of 6.94 kilograms (12.68 pounds) of PCE, TCE, and 1,1-DCE combined were removed during the second quarter 2023 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 second quarter 2023 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-DCA, 1,2-DCA, acetone, and benzene.
- BP-3C: Based on an evaluation of the current OU-5 recovery well network conducted by HDR, it is not capable of capturing groundwater contamination around the BP-3 series of wells as indicated by the continued fluctuation of PCE concentrations. HDR concluded 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 aided by the vertical anisotropy created by the presence of clay beds within the formation.
- EW-12D: TCE and PCE concentrations have fluctuated significantly since 2018 with an upward trend throughout 2020 and into the second quarter of 2023 (see **Figure 20**).
- 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. The TCE concentration in the first quarter through the second quarter of 2023 was approximately one order of magnitude lower than its post OU-4 shutdown peak (see **Figure 27**). This reduction is likely due to the OU-5

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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 second quarter of 2023 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.
- PFNA, 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. Total PFAS results remain highest in MW-CPC-36.
- Resumption of emerging contaminant samples in plant influent and effluent on a monthly basis began in August 2022. Exceedances of 1,4-dioxane, PFOS, and PFOA were reported in influent and effluent samples in the second quarter. Reported detections of 1,4-dioxane, PFOS, and PFOA in the second quarter 2023 were above results associated with emerging contaminant sampling conducted in December 2020 (see **Figures 7** and **8**).

5.2 Recommendations

- Recondition recovery wells RW-3, RW-4, and RW-5 to improve performance and well efficiency which may improve contaminant mass removal.
- 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.
- The GWE&T system should be upgraded or replaced in order to treat 1,4-dioxane and PFAS compounds found to be present above New York State's applicable standards.

Confidential

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Confidential

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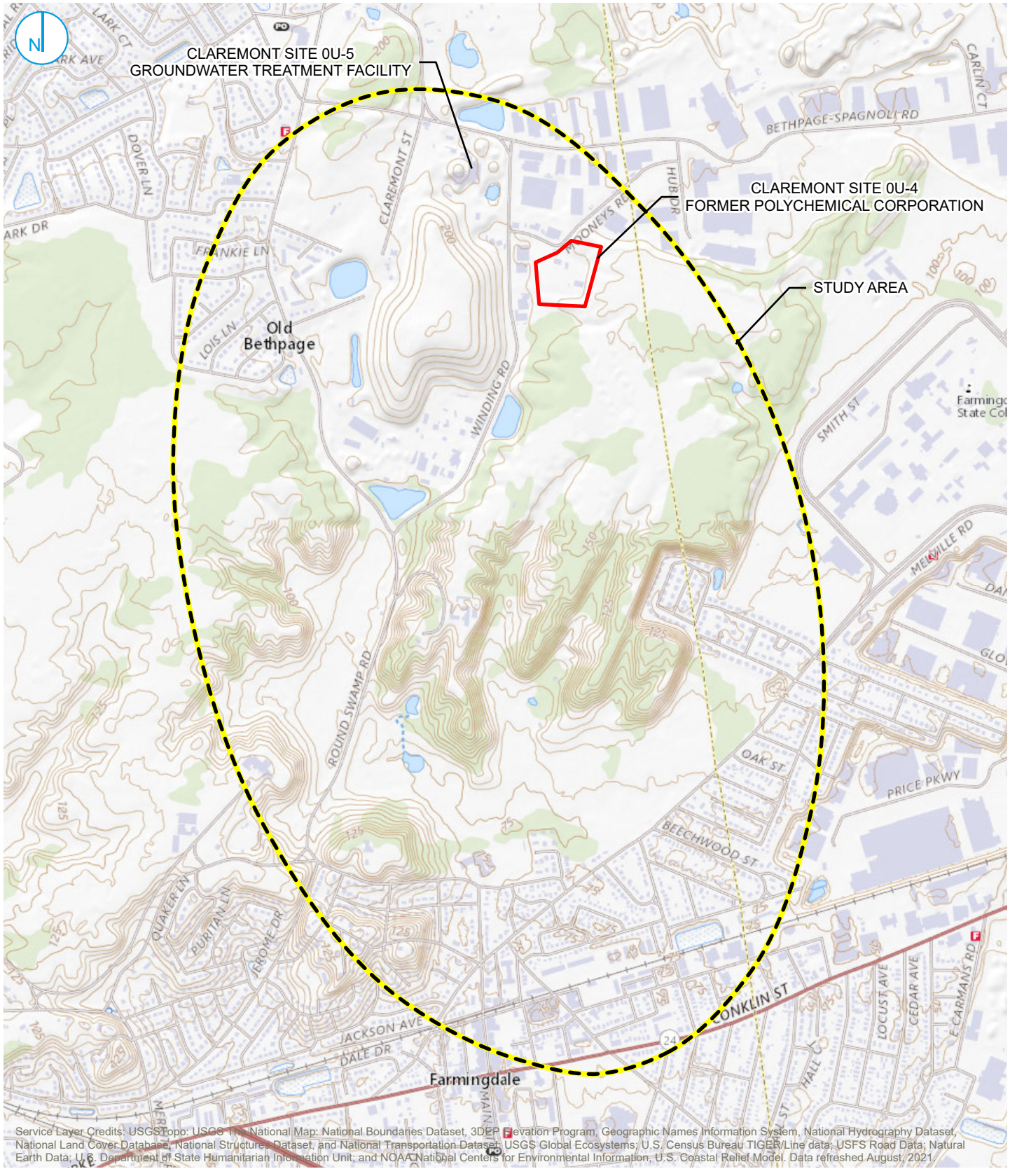
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Confidential

FIGURES



K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical\Claremont_Polychemical.aprx\Claremont_Site_Location

PROJECT: 169000194010703 | DATED: 4/26/2022 | DESIGNER: SSOULE

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



KEY MAP (not to scale)

0 1,000 2,000 Feet

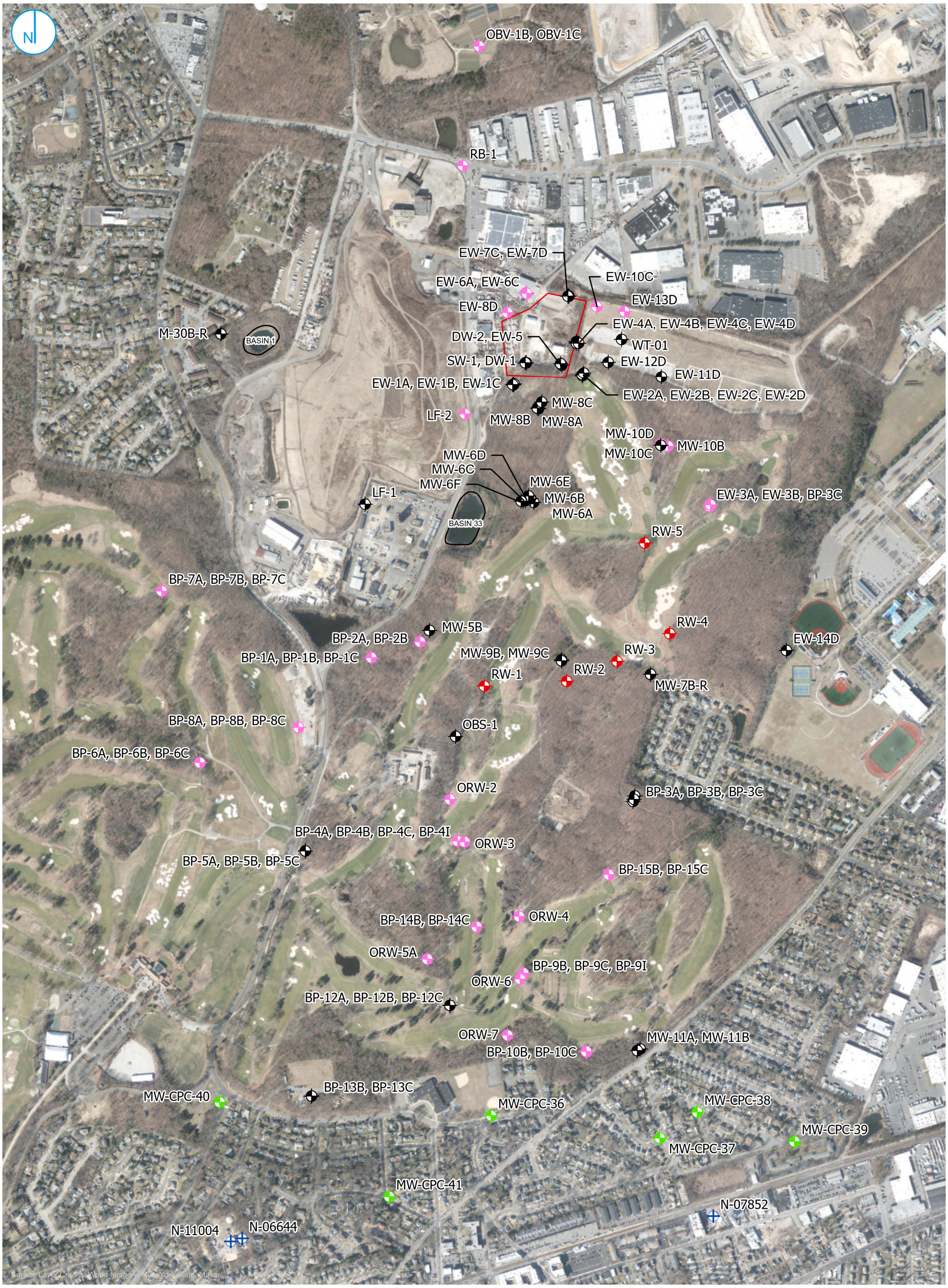
SITE LOCATION

CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

FIGURE 01

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL



MONITORING WELL
- GAUGED ONLY
- GAUGED AND SAMPLED

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

- RECHARGE BASIN
- SITE BOUNDARY

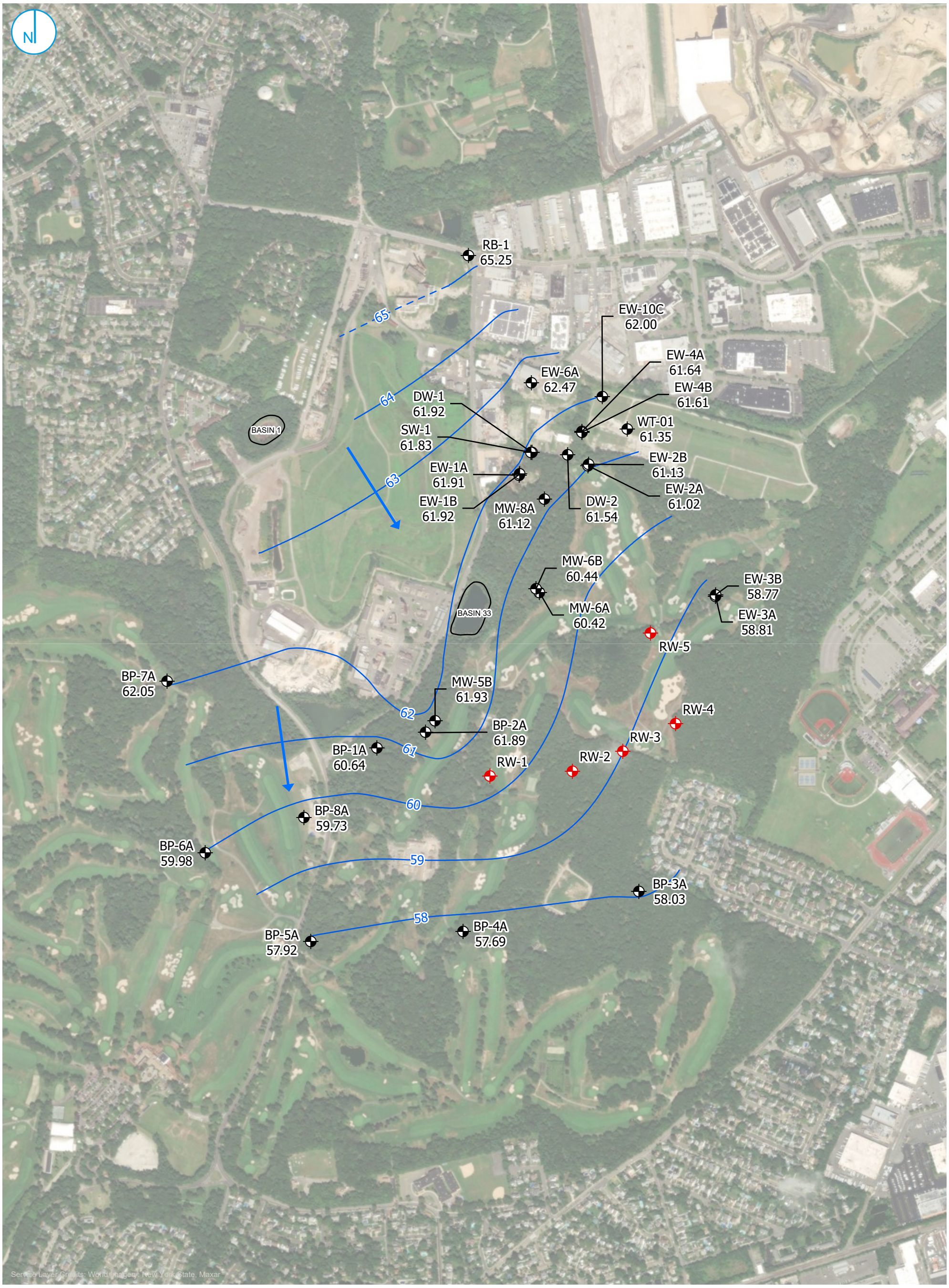
0 400 800 Feet

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
GROUNDWATER FLOW DIRECTION
RECHARGE BASIN

0 400 800 Feet

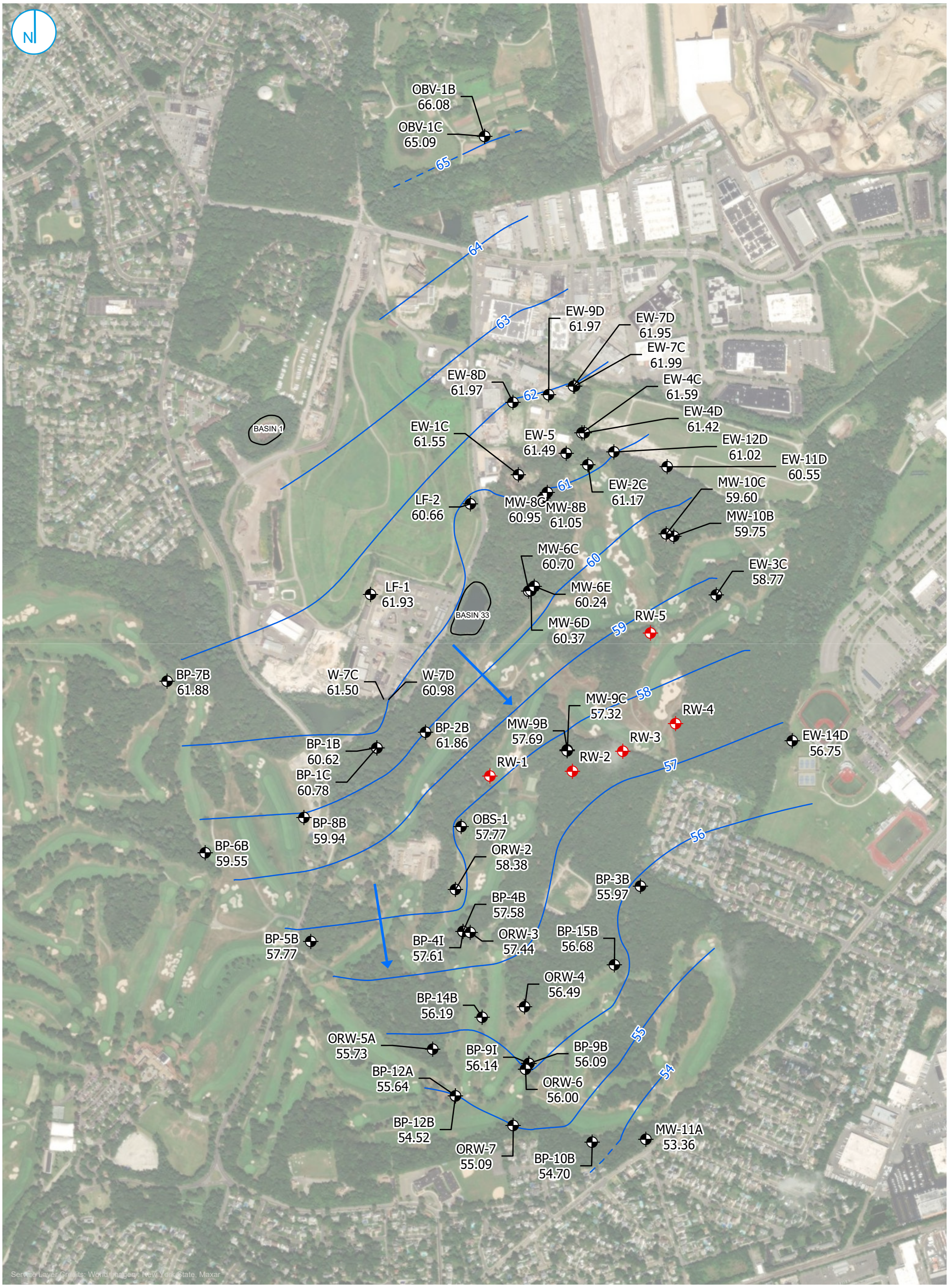
Notes
- Well BP-2A was excluded from contour drawing.
- All elevations recorded in feet in NAVD 88.

MAY 2023
POTENTIOMETRIC CONTOURS
UPPER MAGOTHY

CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

FIGURE 03

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY



MONITORING WELL
RECOVERY WELL
POTENTIOMETRIC CONTOUR
INFERRED POTENTIOMETRIC CONTOUR
GROUNDWATER FLOW DIRECTION
RECHARGE BASIN

0 400 800
Feet

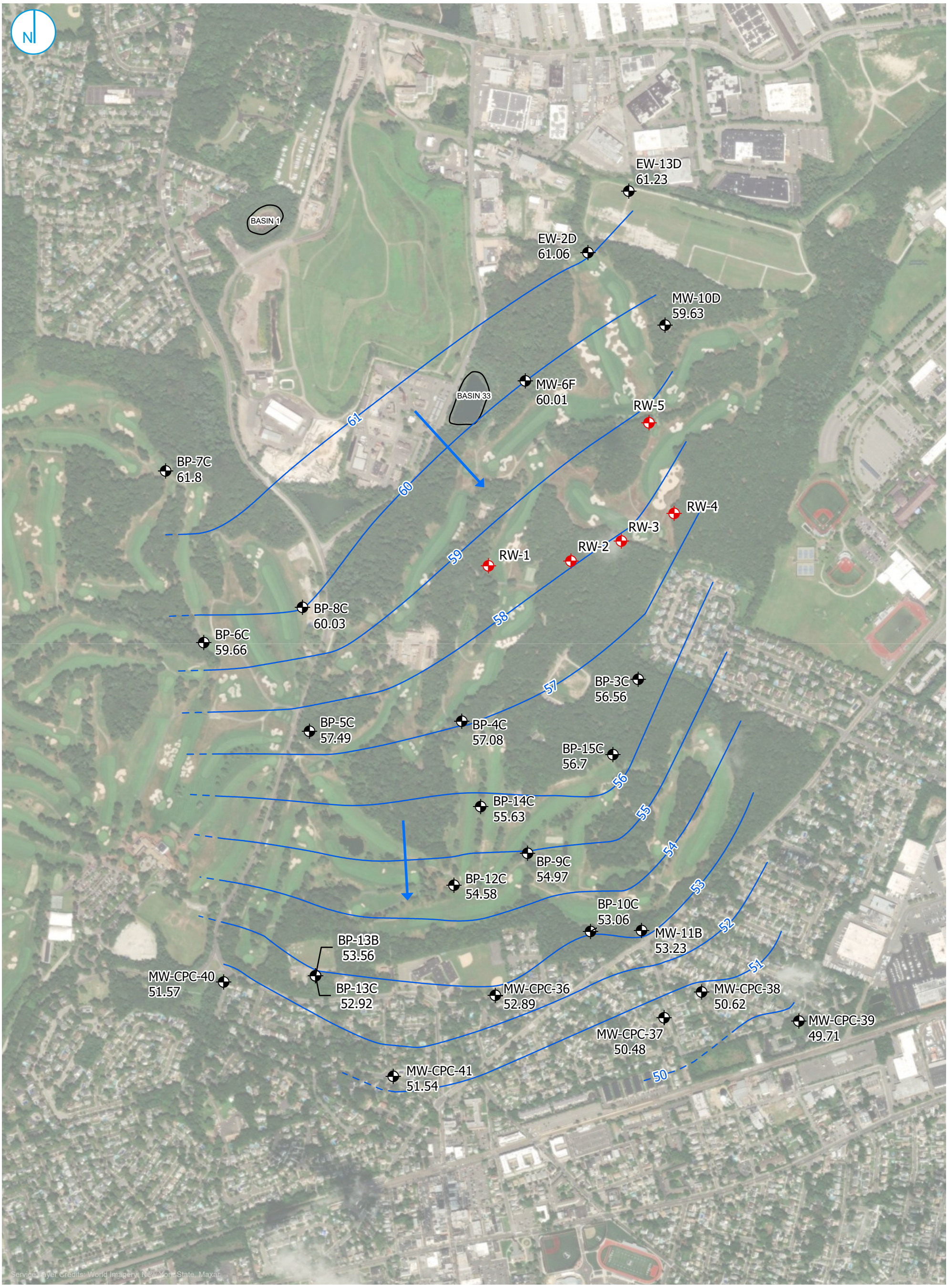
Notes
- Well BP-2B was excluded from contour drawing.
- All elevations recorded in feet in NAVD 88.

MAY 2023
POTENTIOMETRIC CONTOURS
MIDDLE MAGOTHY

CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

FIGURE 04

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY



MONITORING WELL
RECOVERY WELL
POTENTIOMETRIC CONTOUR
INFERRED POTENTIOMETRIC CONTOUR
GROUNDWATER FLOW DIRECTION
RECHARGE BASIN

0 400 800 Feet

Notes
- All elevations recorded in feet in NAVD 88.

MAY 2023
POTENTIOMETRIC CONTOURS
LOWER MAGOTHY

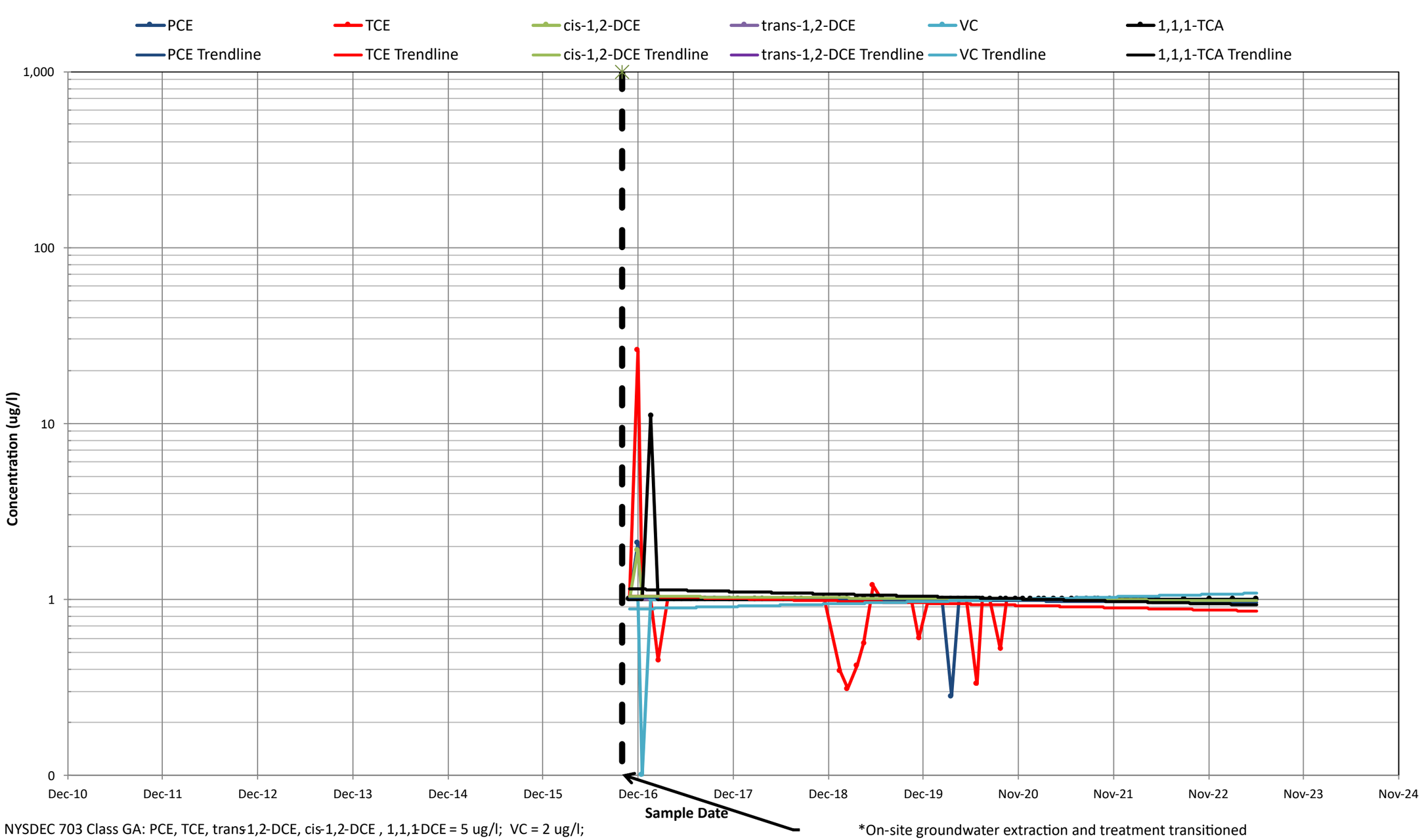
CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

FIGURE 05

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig06-Chlorinated_VOC_Effluent
PROJECT: 1940101703 | DATED: 7/14/2023 | DESIGNER: SSOULE



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.

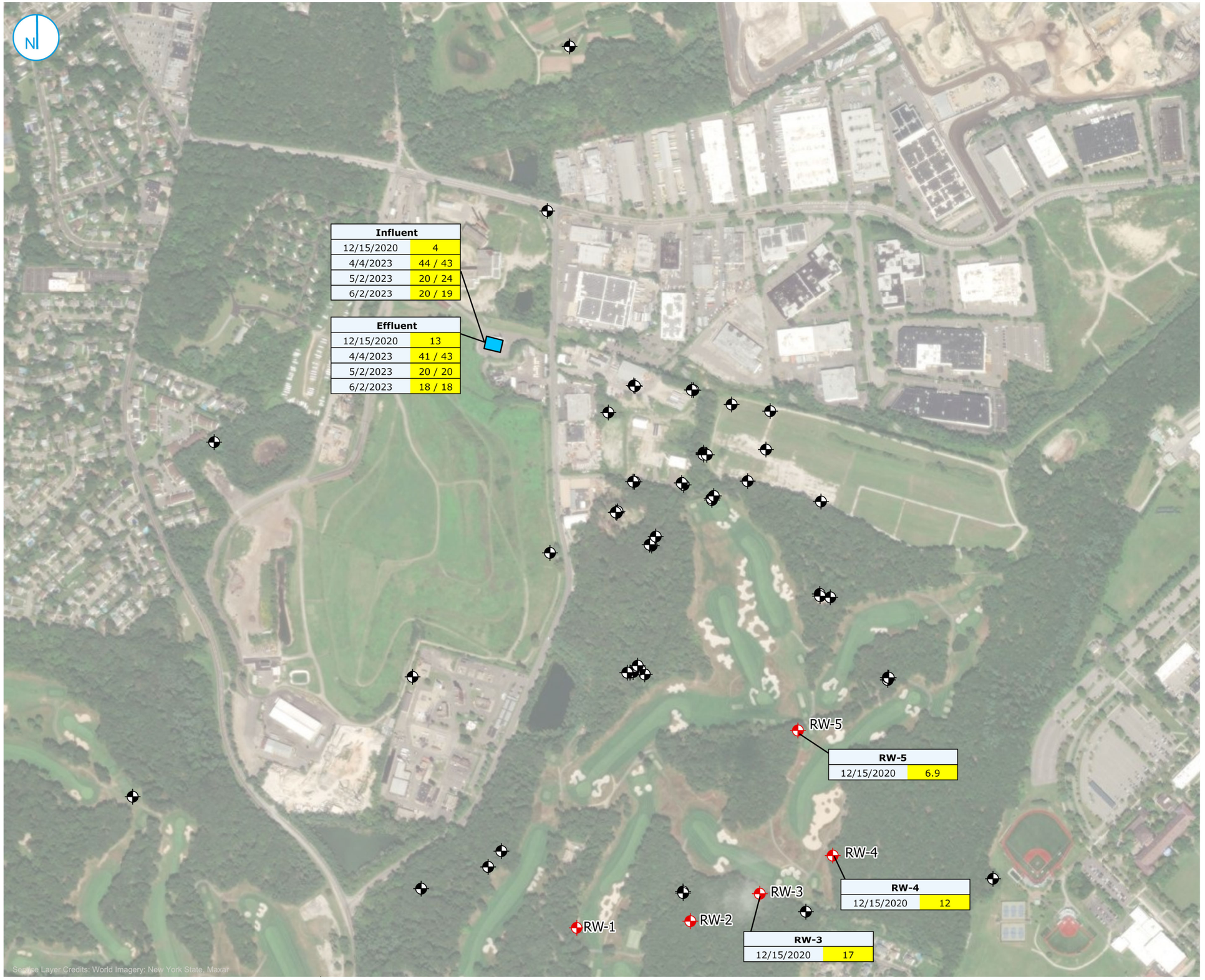
CHLORINATED VOC CONCENTRATIONS
EFFLUENT

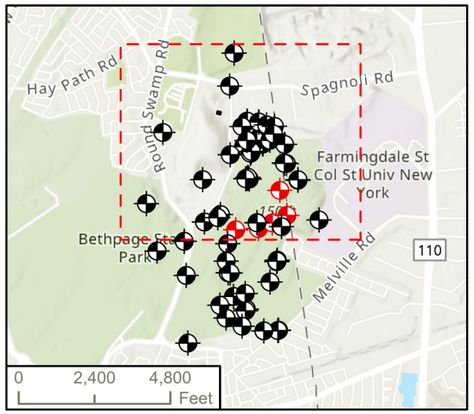
CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

FIGURE 06

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL





MONITORING WELL (GAUGED)
RECOVERY WELL
TREATMENT BUILDING

Process Sample Results Notes:

1. 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.
2. Exceedance of relevant criteria indicated by yellow highlighting in the data box on the map.
3. Final, validated data presented on figure.
4. X / X - Indicates primary / duplicate results.
5. All results presented in ug/L.

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

0 300 600 Feet

1,4-DIOXANE EXCEEDANCES IN PROCESS SAMPLES

CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

FIGURE 07

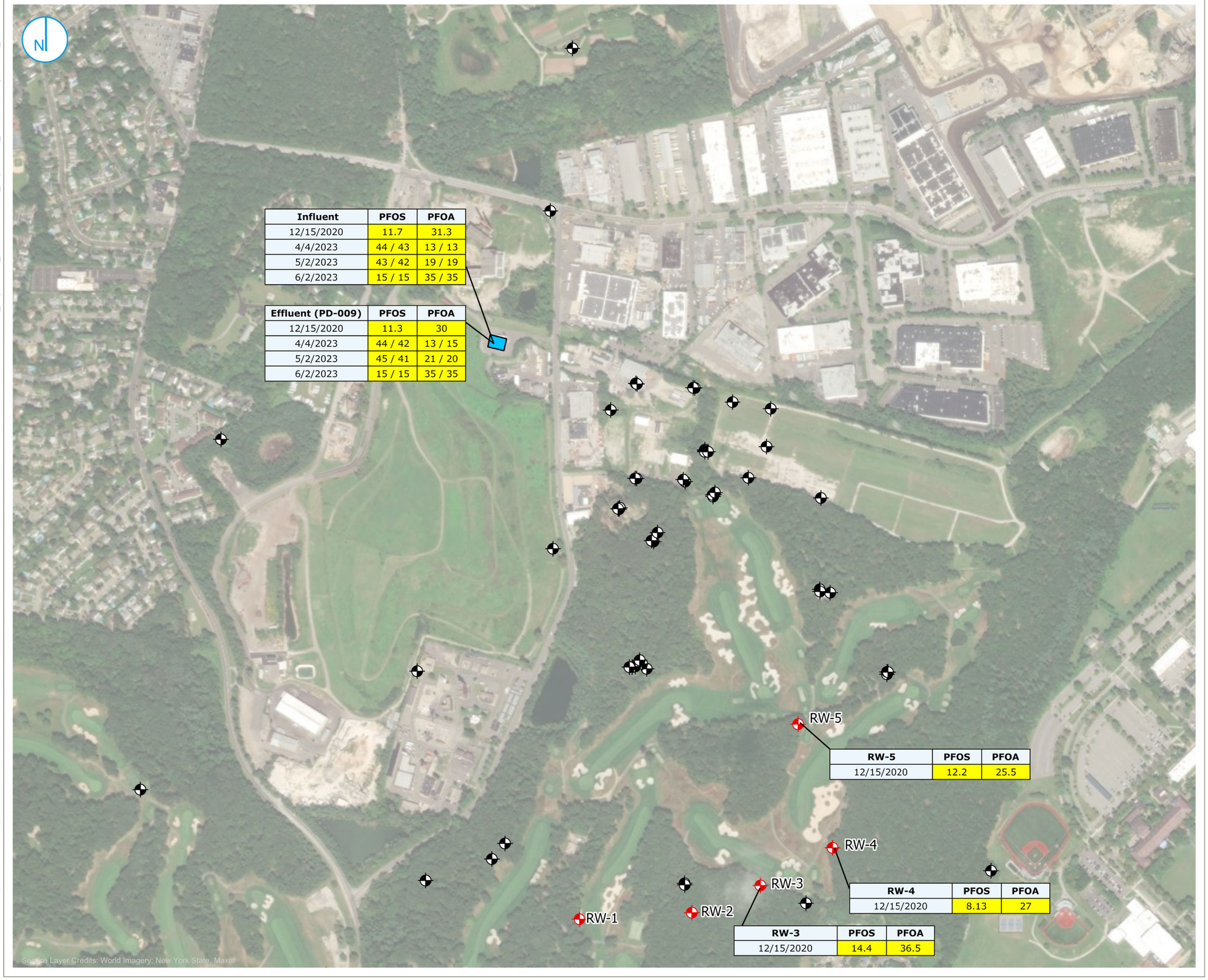
RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig07-Dioxane_Exceedances

PROJECT: 1940101703 | DATED: 8/1/2023 | DESIGNER: SSOULE

K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig08-PFAS_Exceedances
PROJECT: 1940101703 | DATED: 8/3/2023 | DESIGNER: SSOULE



Influent	PFOS	PFOA
12/15/2020	11.7	31.3
4/4/2023	44 / 43	13 / 13
5/2/2023	43 / 42	19 / 19
6/2/2023	15 / 15	35 / 35

Effluent (PD-009)	PFOS	PFOA
12/15/2020	11.3	30
4/4/2023	44 / 42	13 / 15
5/2/2023	45 / 41	21 / 20
6/2/2023	15 / 15	35 / 35

RW-5	PFOS	PFOA
12/15/2020	12.2	25.5

RW-4	PFOS	PFOA
12/15/2020	8.13	27

RW-3	PFOS	PFOA
12/15/2020	14.4	36.5

MONITORING WELL (GAUGED)

RECOVERY WELL

TREATMENT BUILDING

Process Sample Results Notes:

1. 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.
2. Only compounds with exceedances are shown. If the compound is not shown it was not detected above the criteria in any sample.
3. Criteria for compounds shown on this figure are presented in the table below.
4. Exceedance of relevant criteria indicated by yellow highlighting in the data box on the map.
5. Final, validated data presented on figure.
6. X / X - Indicates primary / duplicate results.
7. All results presented in ng/L.

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

0 300 600 Feet

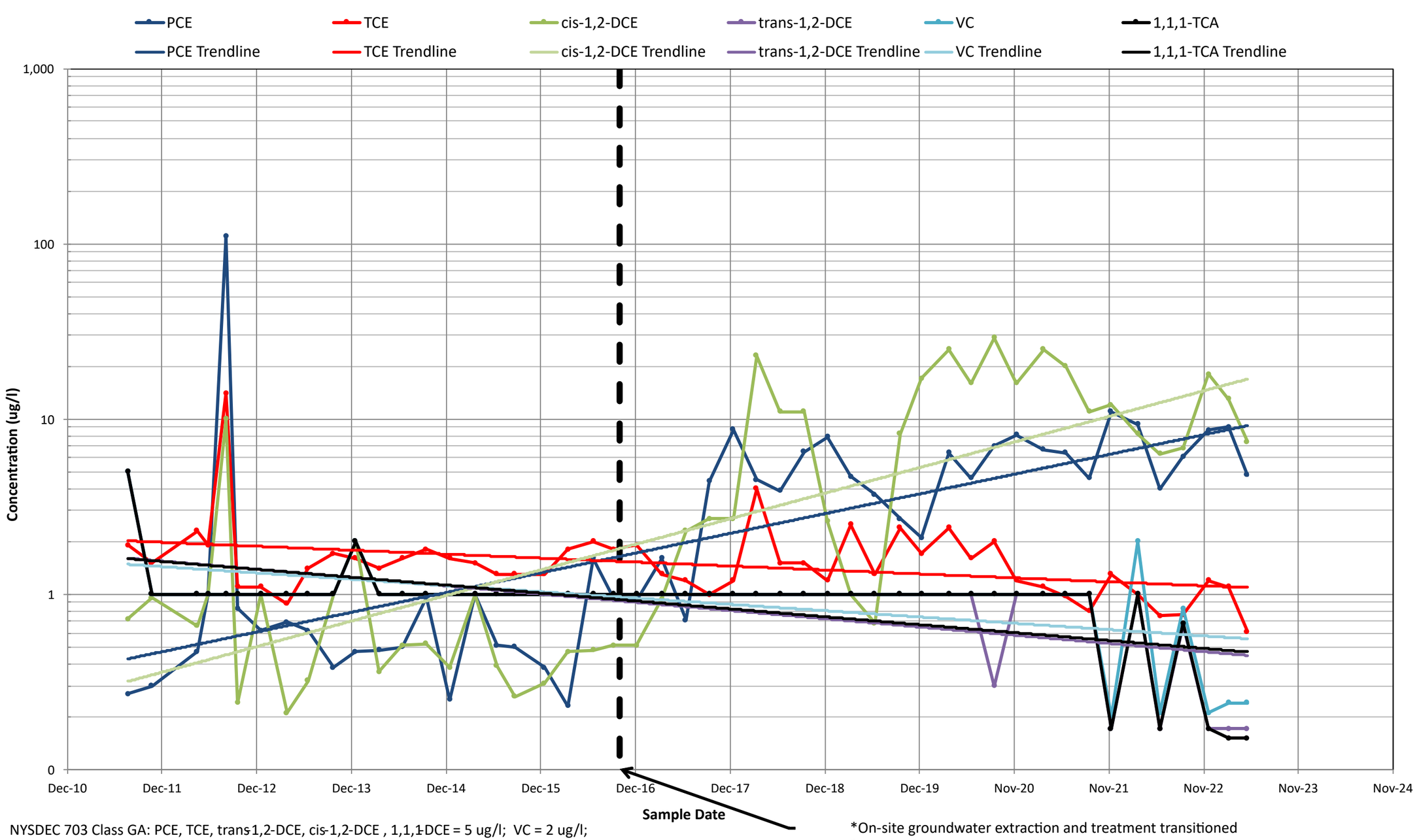
PFAS EXCEEDANCES

CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

FIGURE 08

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig09-Chlorinated_VOC_DW-1
PROJECT: 1940101703 | DATED: 7/14/2023 | DESIGNER: SSOULE



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

CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

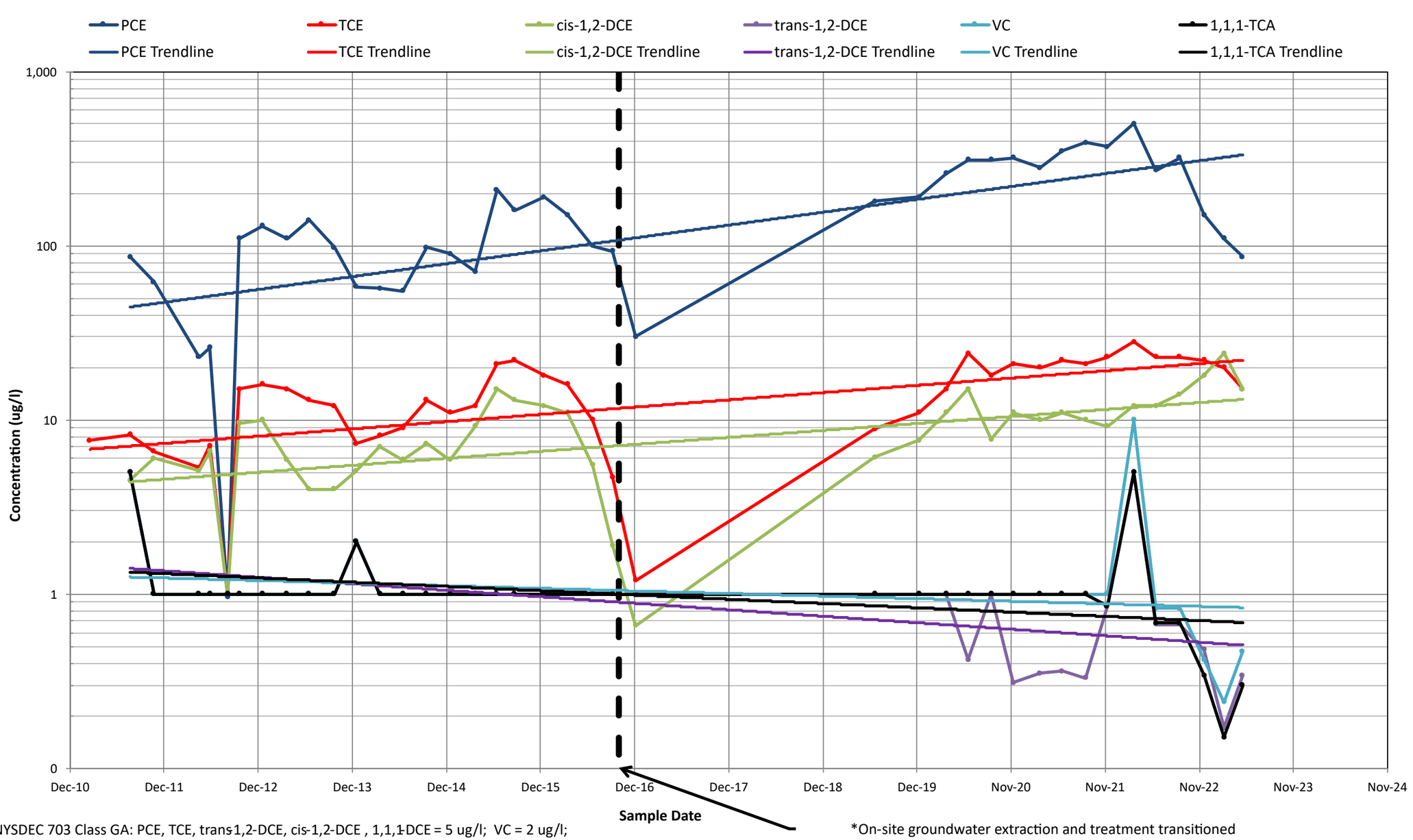
FIGURE 09

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig10-Chlorinated_VOC_SW-10

PROJECT: 1940101703 | DATED: 7/14/2023 | DESIGNER: SSOULE



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.

Well was dry in for all four quarters of 2017.

*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
SW-1

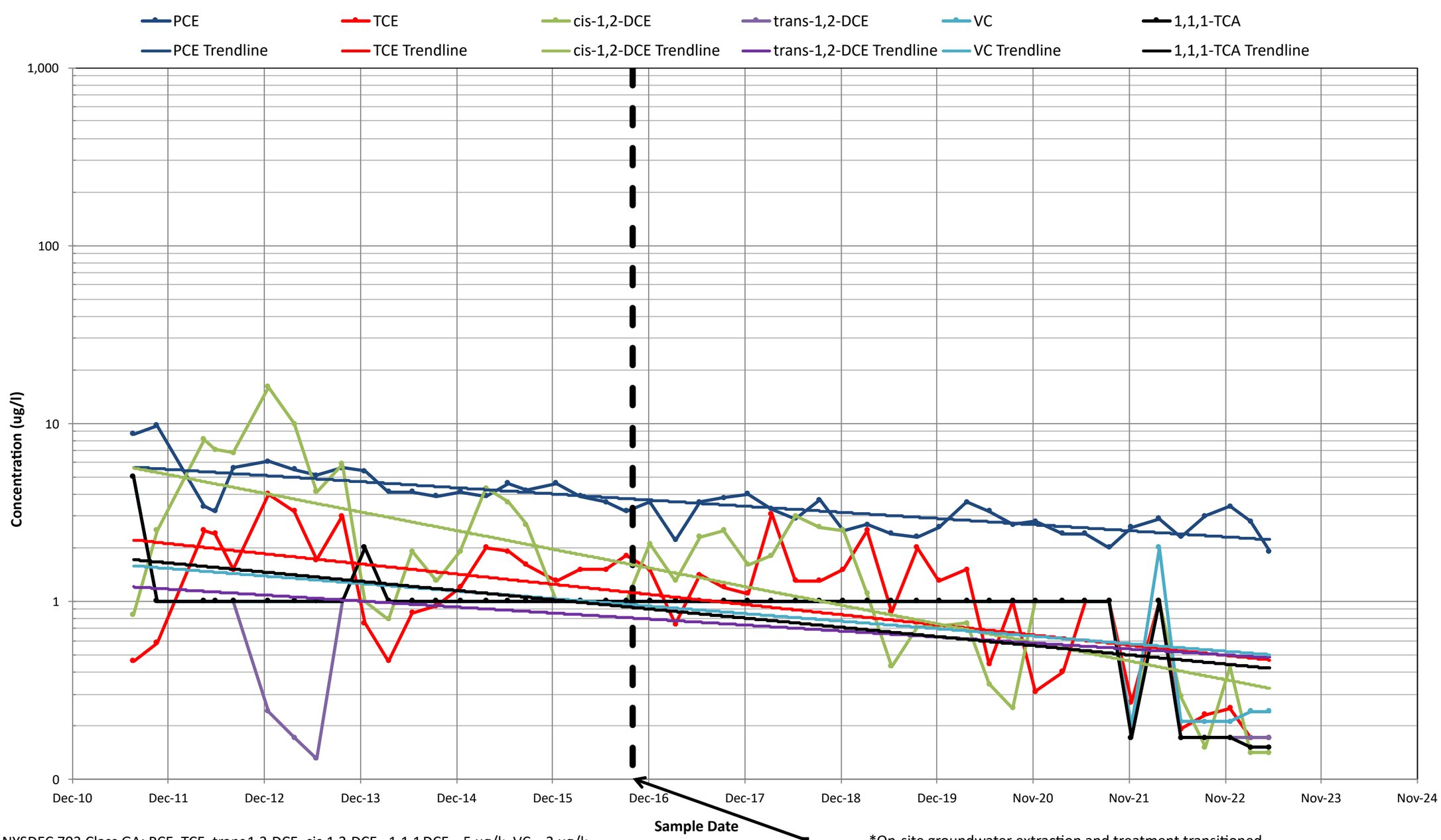
CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

FIGURE 10

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig11-Chlorinated_VOC_EW-1A
PROJECT: 1940101703 | DATED: 7/14/2023 | DESIGNER: SSOULE



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.

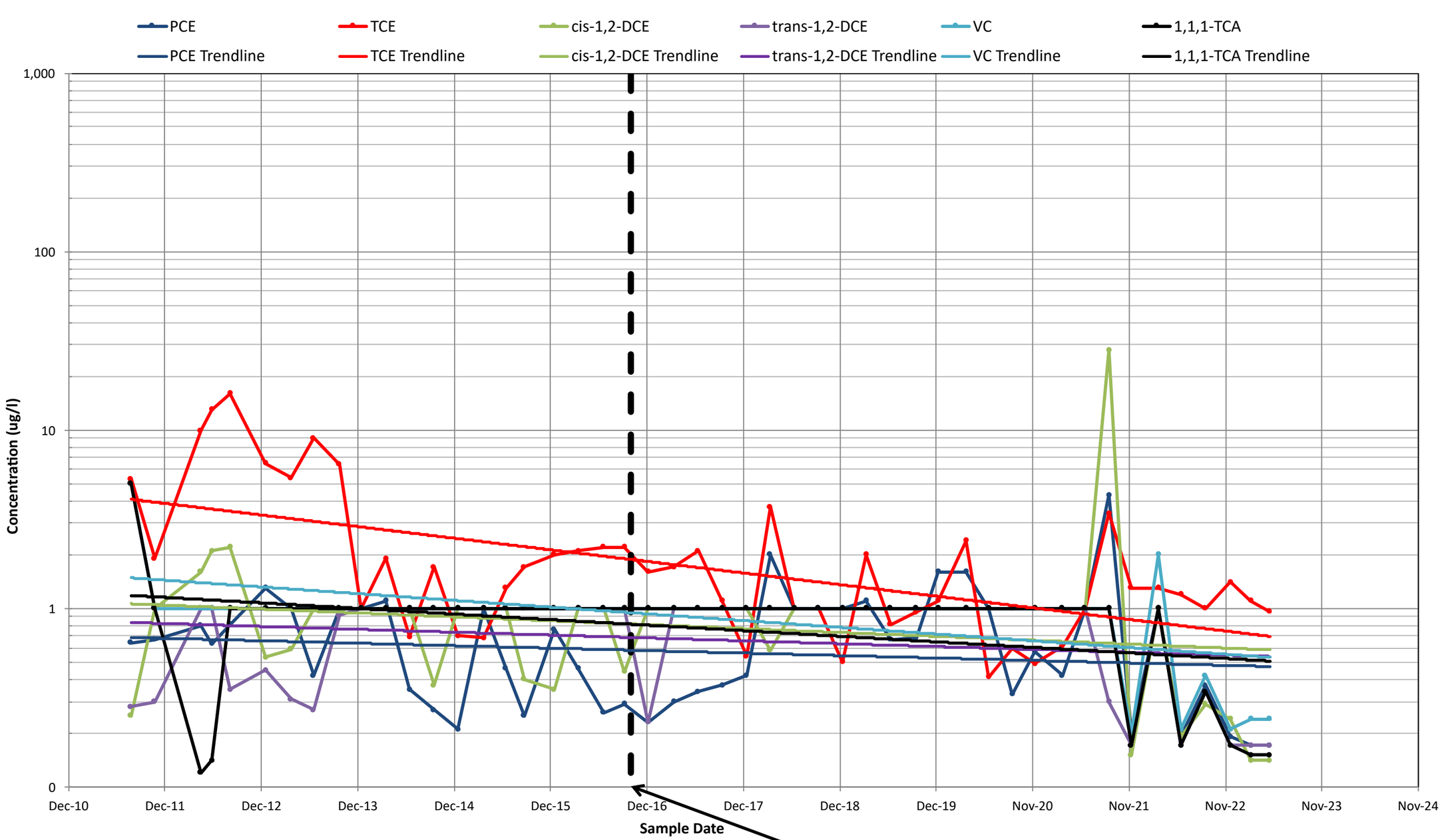
CHLORINATED VOC CONCENTRATIONS
EW-1A

CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

FIGURE 11

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig12-Chlorinated_VOC_EW-5
PROJECT: 1940101703 | DATED: 7/14/2023 | DESIGNER: SSOULE



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

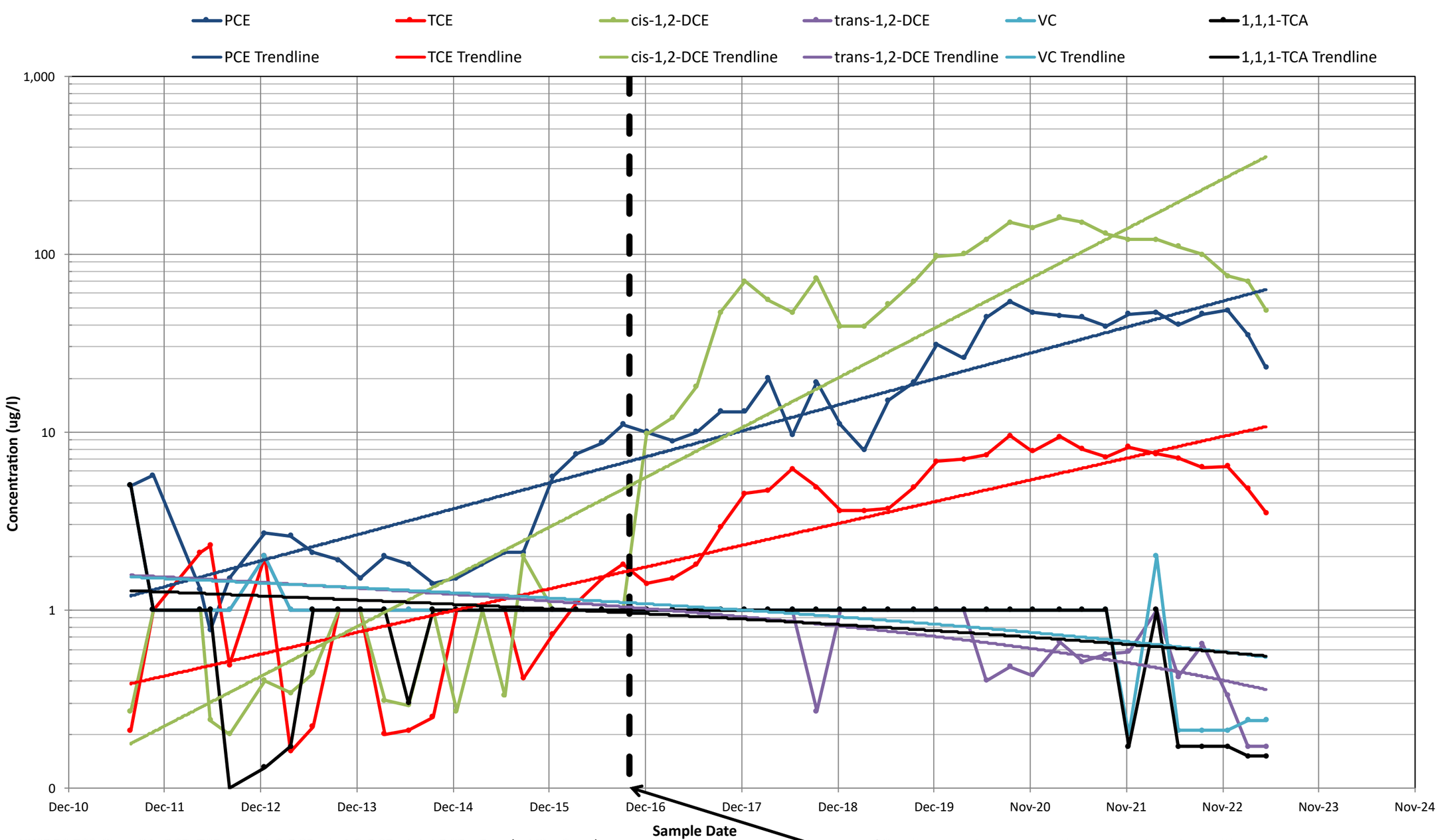
CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

FIGURE 12

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig13-Chlorinated_VOC_EW-4A
PROJECT: 1940101703 | DATED: 7/14/2023 | DESIGNER: SSOULE



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

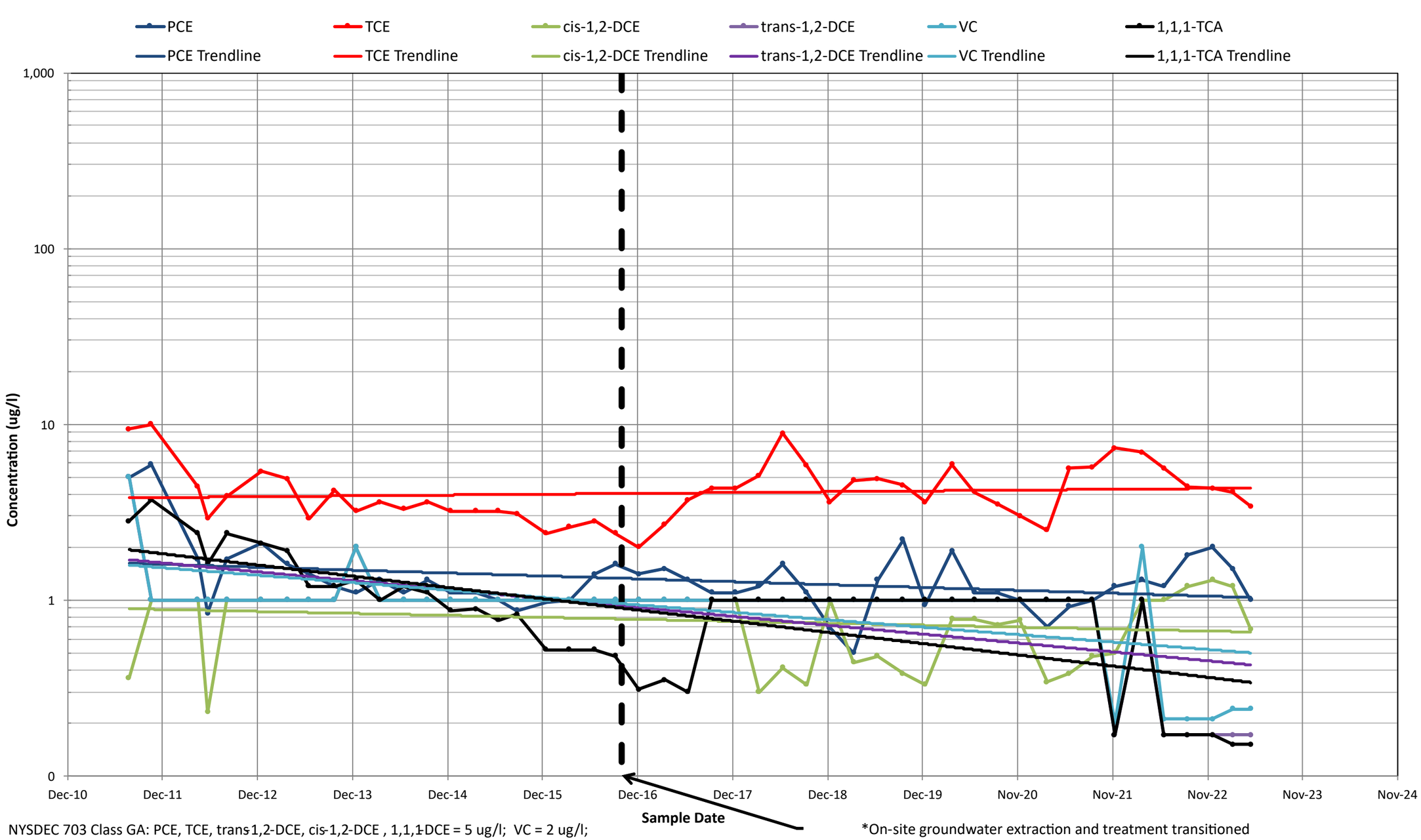
CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

FIGURE 13

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig14-Chlorinated_VOC_EW-4B
PROJECT: 1940101703 | DATED: 7/14/2023 | DESIGNER: SSOULE



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

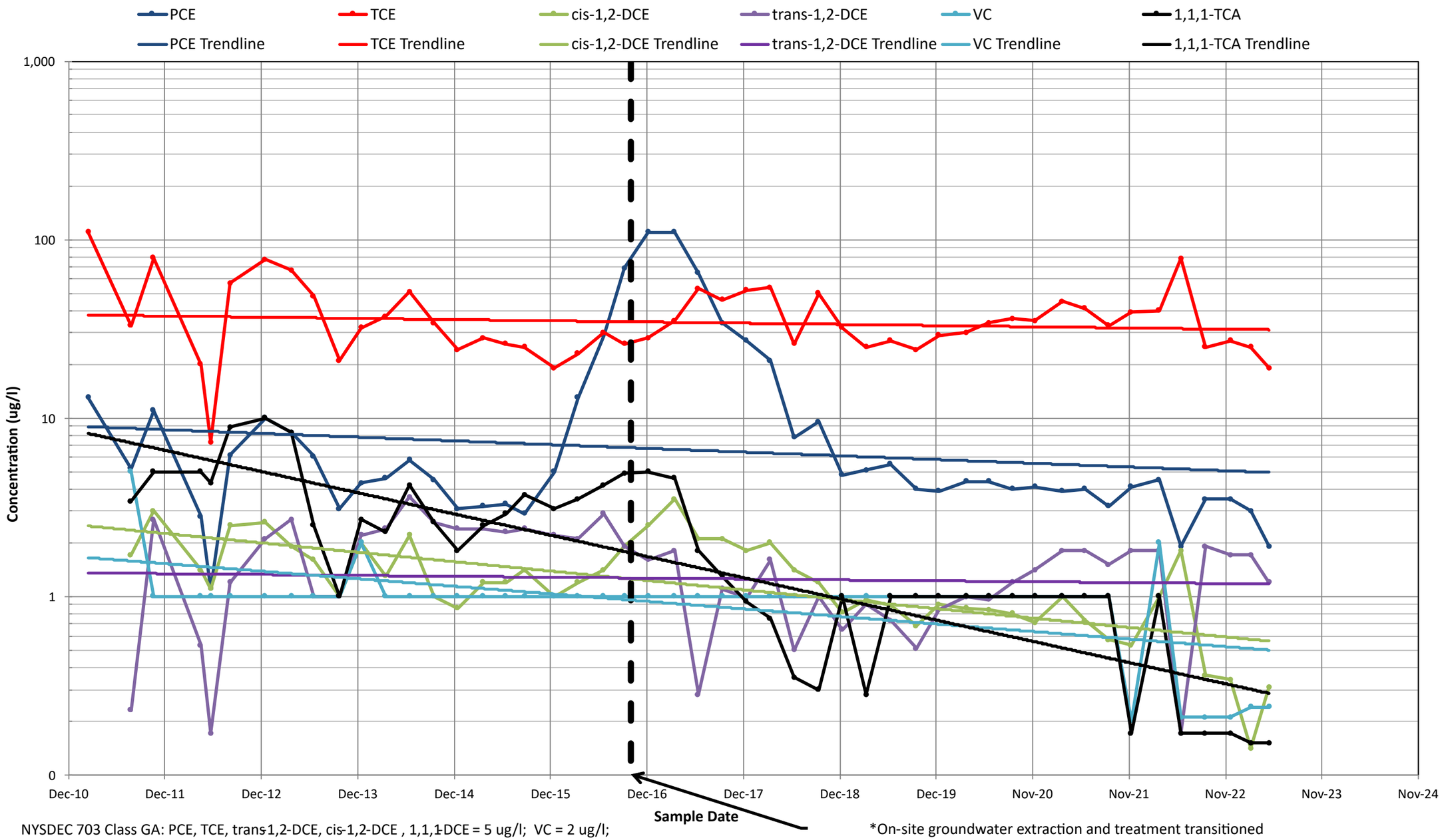
CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

FIGURE 14

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig15-Chlorinated_VOC_EW-4C
PROJECT: 1940101703 | DATED: 7/14/2023 | DESIGNER: SSOULE



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

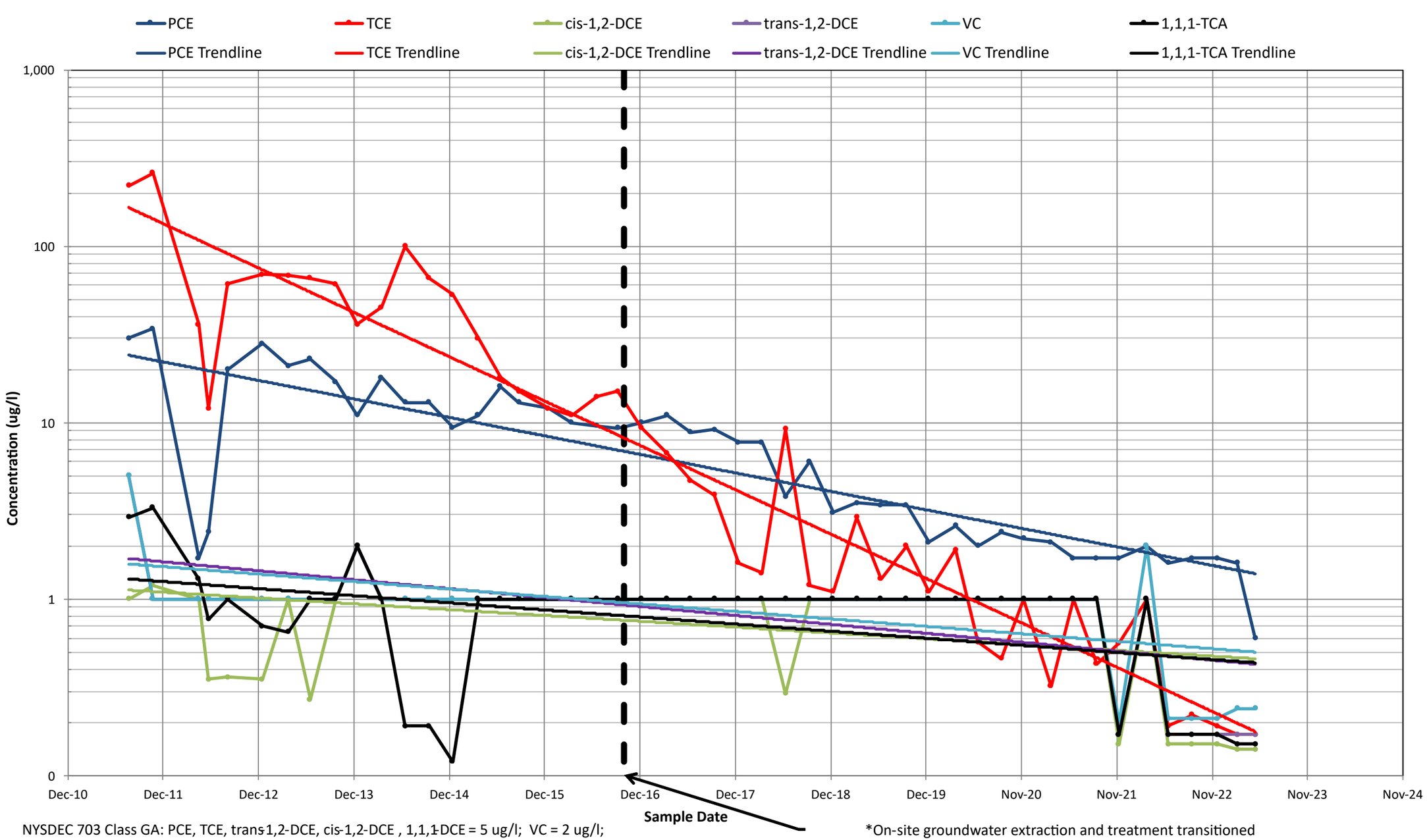
CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

FIGURE 15

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig16-Chlorinated_VOC_EW-4D

PROJECT: 940101703 | DATED: 7/14/2023 | DESIGNER: SSOULE



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

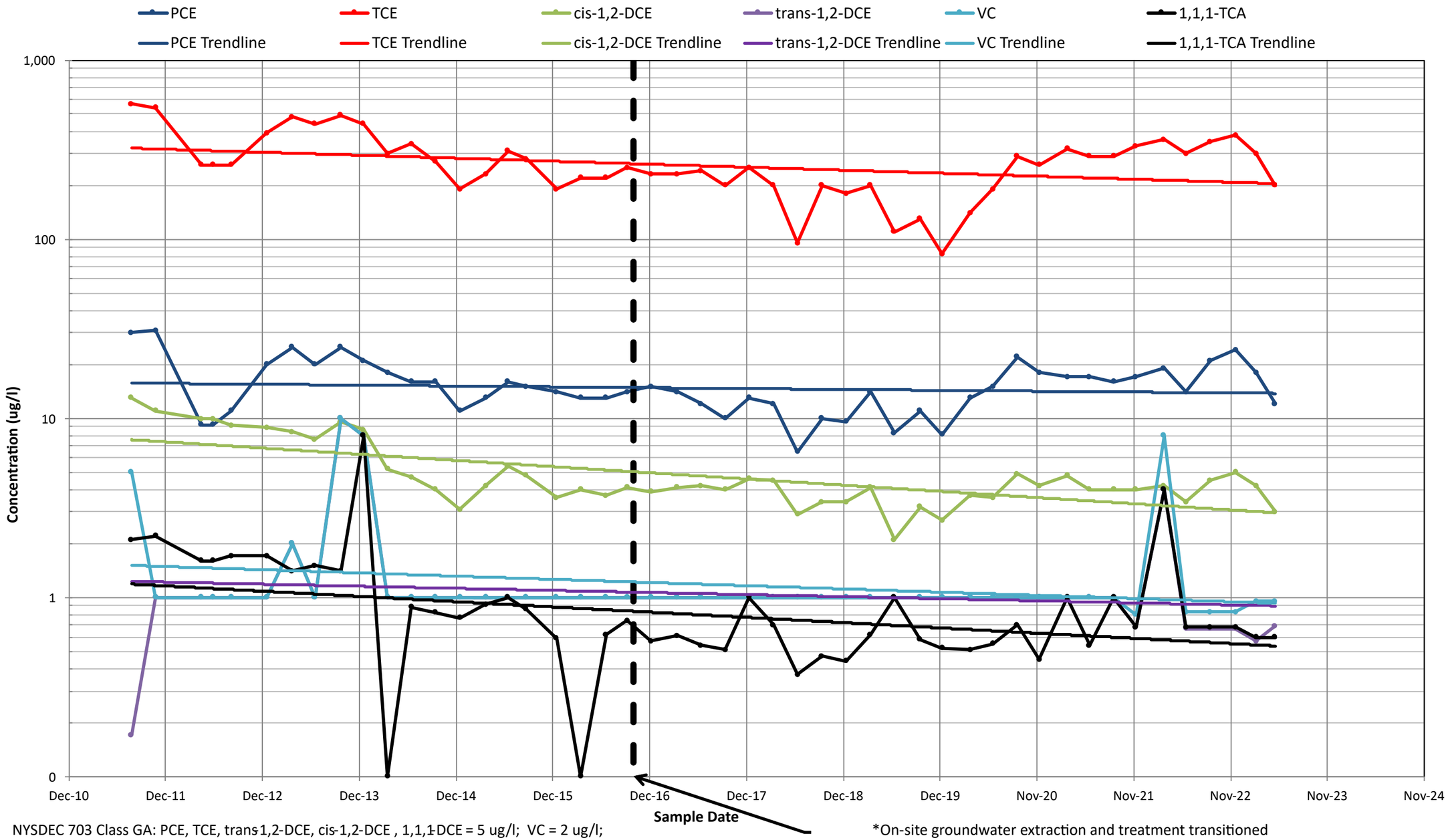
FIGURE 16

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig17-Chlorinated_VOC_EW-7C

PROJECT: 1940101703 | DATED: 7/14/2023 | DESIGNER: SSOULE



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-7C

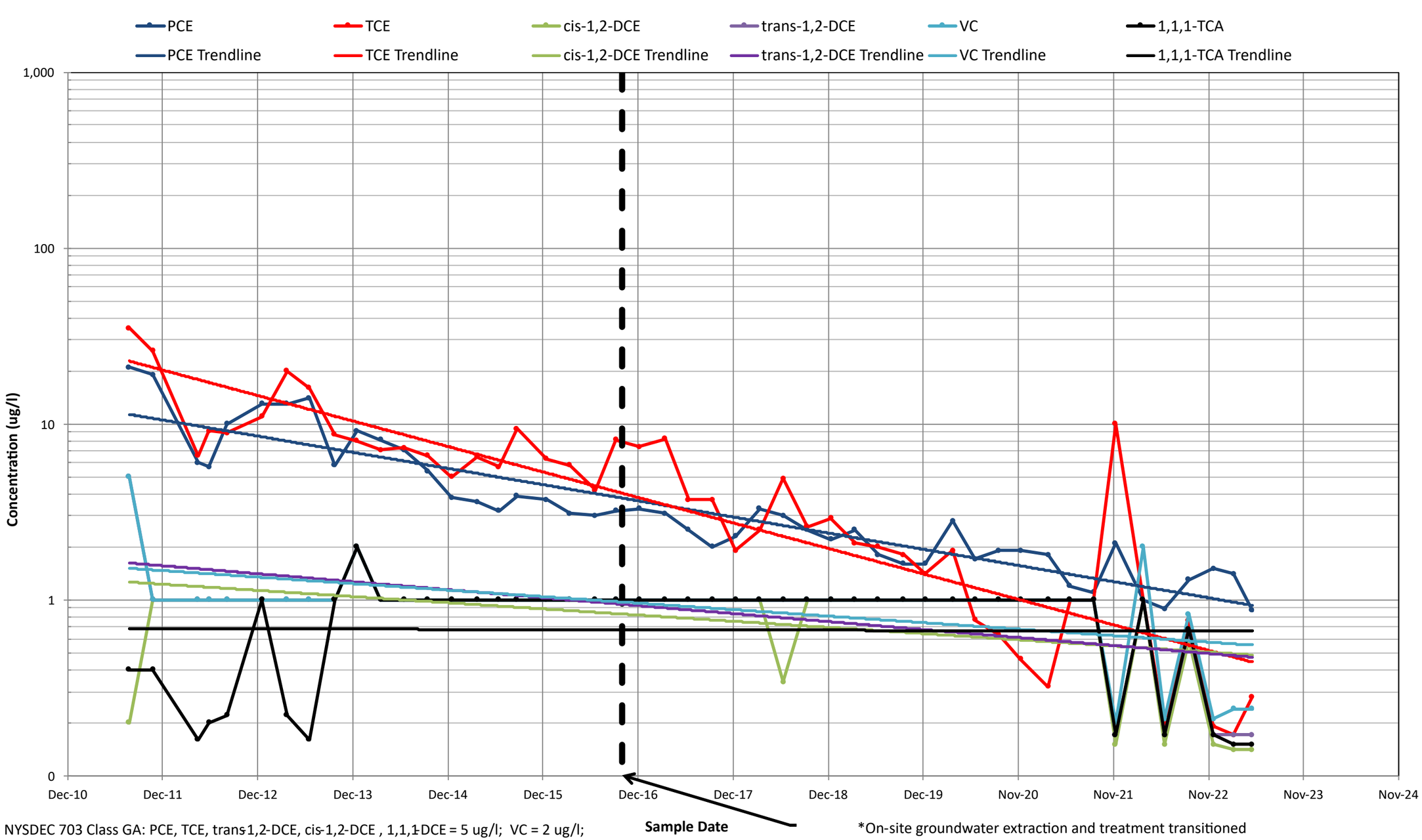
CLAREMONT POLYCHEMICAL CORPORATION
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FIGURE 17

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

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K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig18-Chlorinated_VOC_EW-7D
PROJECT: 1940101703 | DATED: 7/14/2023 | DESIGNER: SSOULE



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-7D

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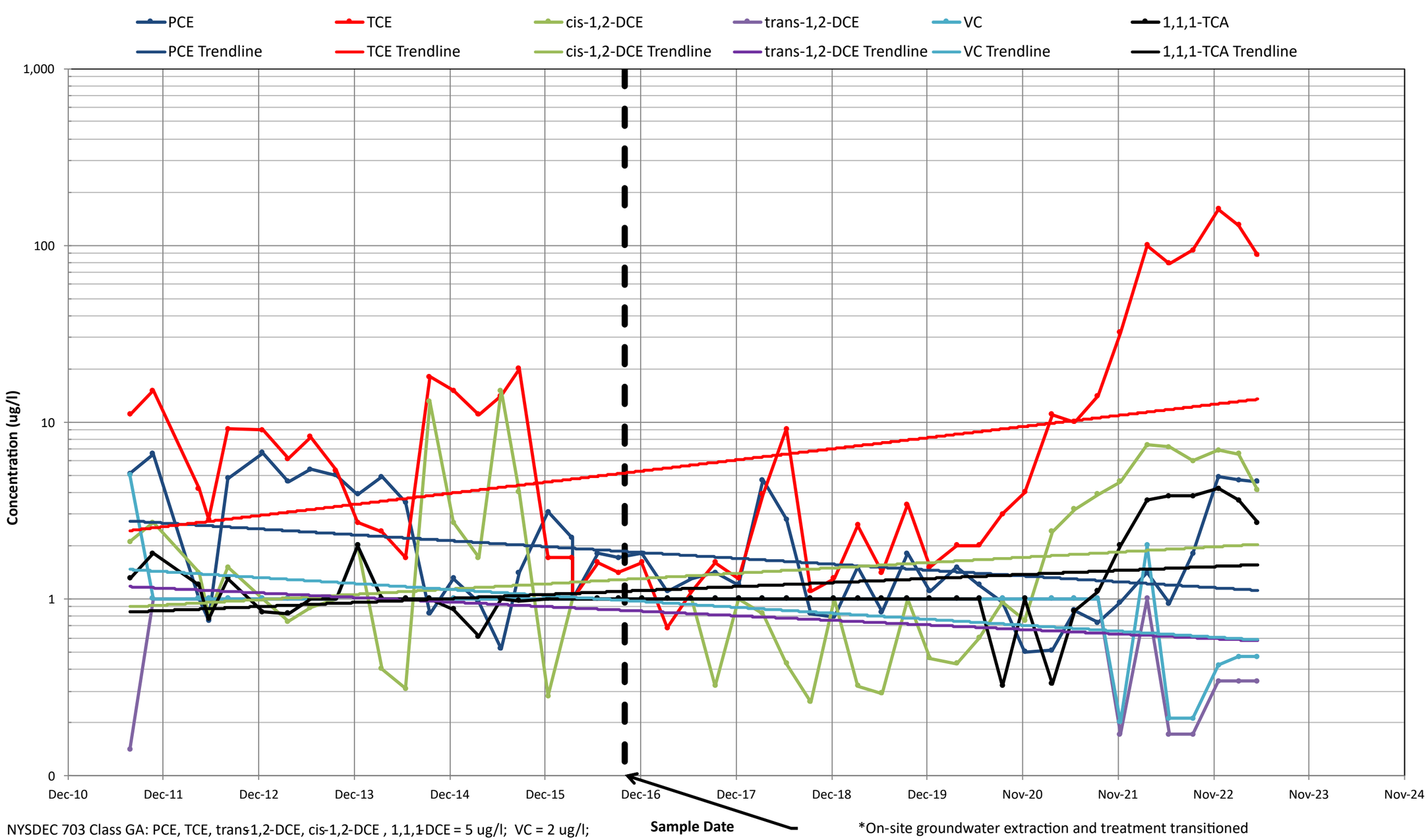
FIGURE 18

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

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K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig19-Chlorinated_VOC_MW-10D

PROJECT: 1940101703 | DATED: 7/14/2023 | DESIGNER: SSOULE



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

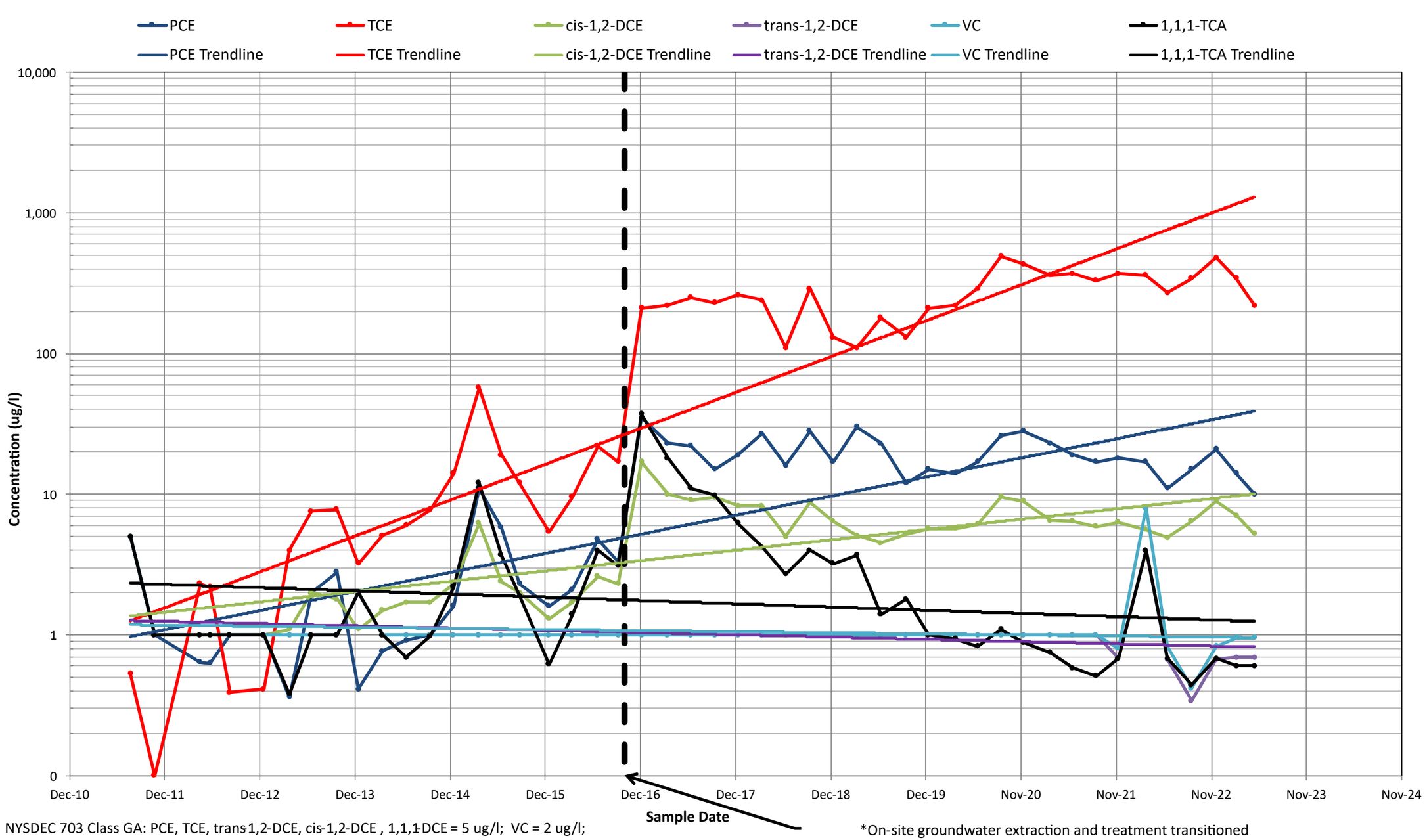
CLAREMONT POLYCHEMICAL CORPORATION
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FIGURE 19

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig20-Chlorinated_VOC_EW-12D
PROJECT: 1940101703 | DATED: 7/14/2023 | DESIGNER: SSOULE



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

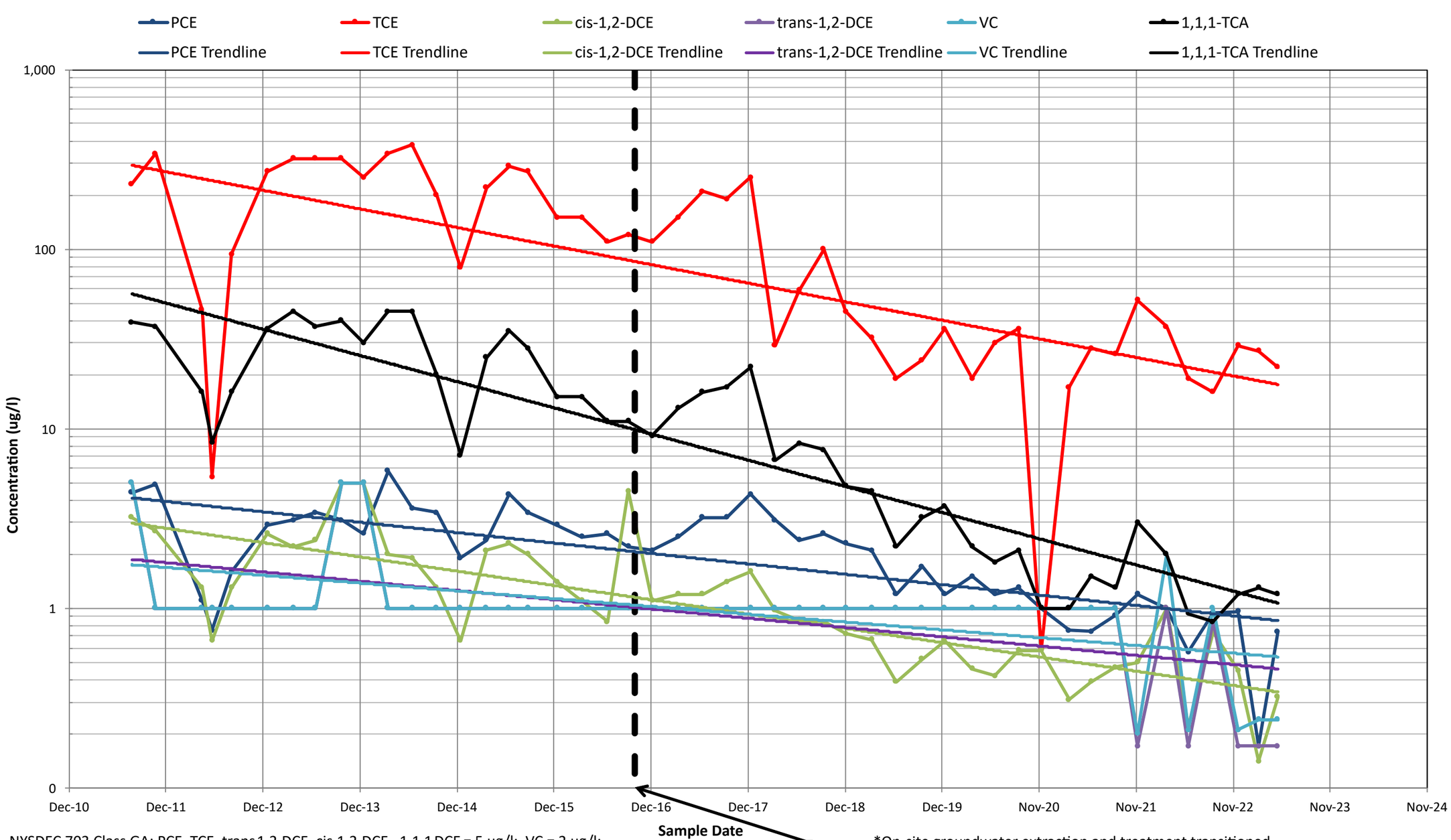
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FIGURE 20

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

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K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig21-Chlorinated_VOC_EW-14D
PROJECT: 1940101703 | DATED: 7/14/2023 | DESIGNER: SSOULE



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

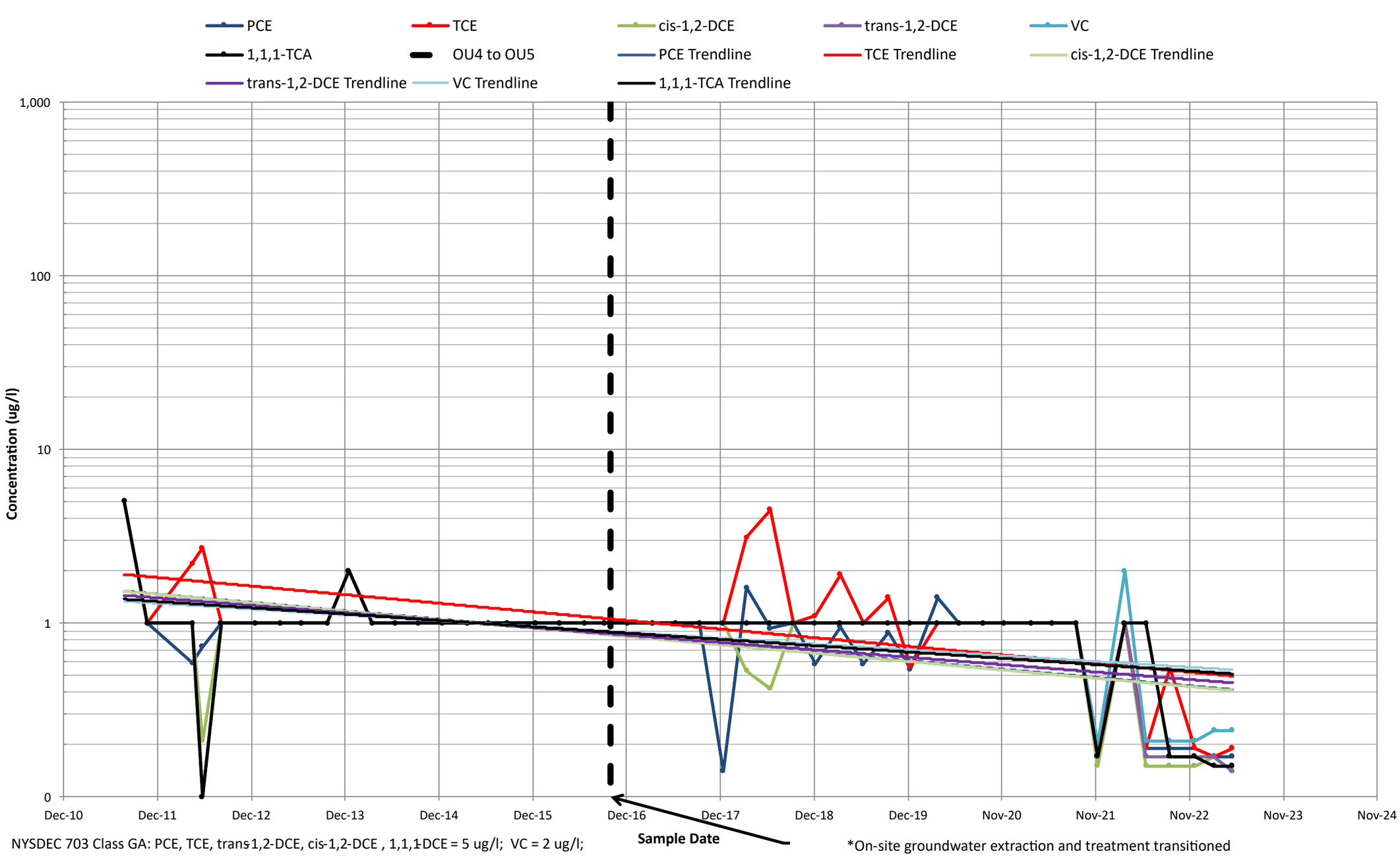
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FIGURE 21

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

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K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig22-Chlorinated_VOC_BP-3A
PROJECT: 1940101703 | DATED: 7/14/2023 | DESIGNER: SSOULE



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

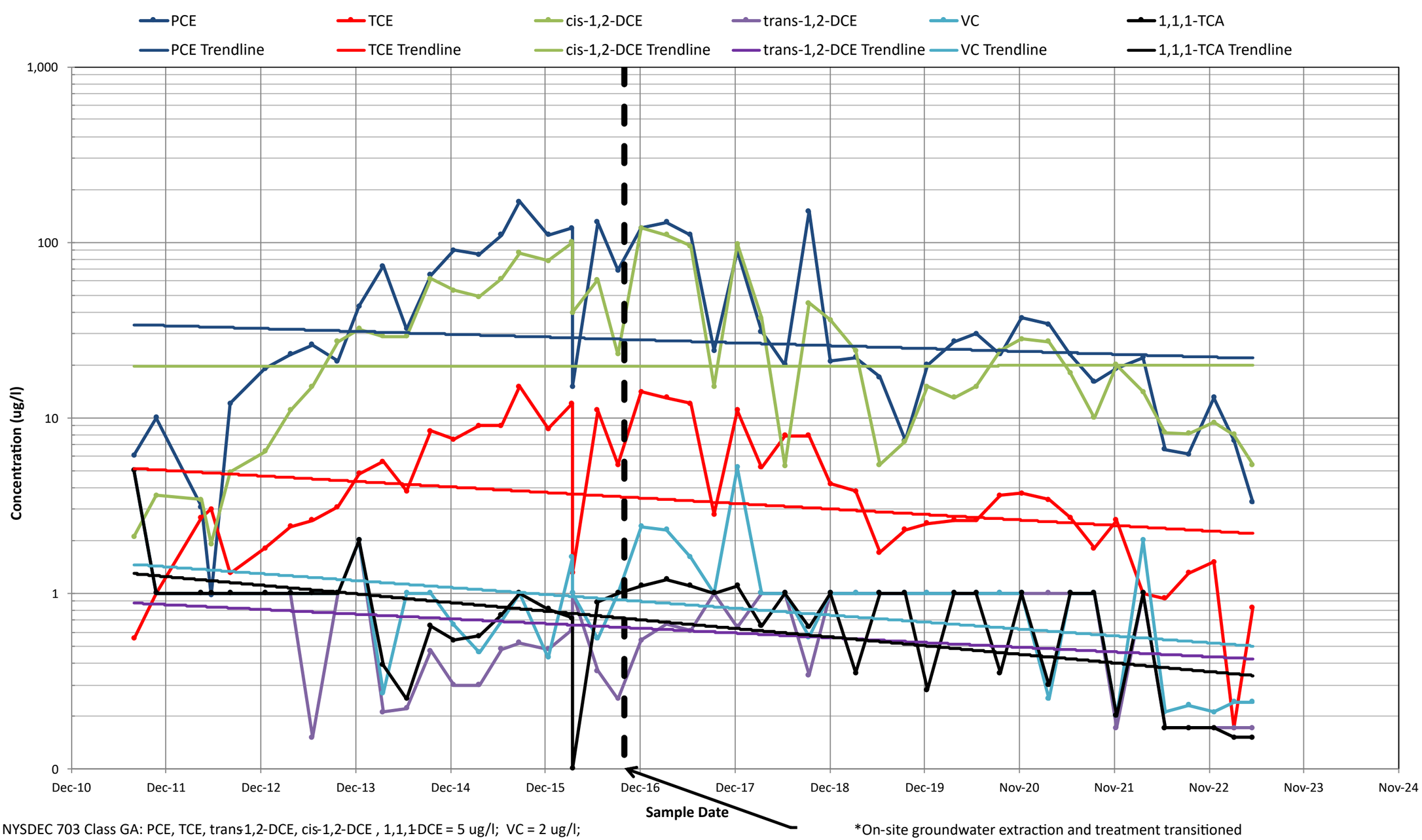
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FIGURE 22

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

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K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig23-Chlorinated_VOC_BP-3B
PROJECT: 1940101703 | DATED: 7/14/2023 | DESIGNER: SSOULE



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

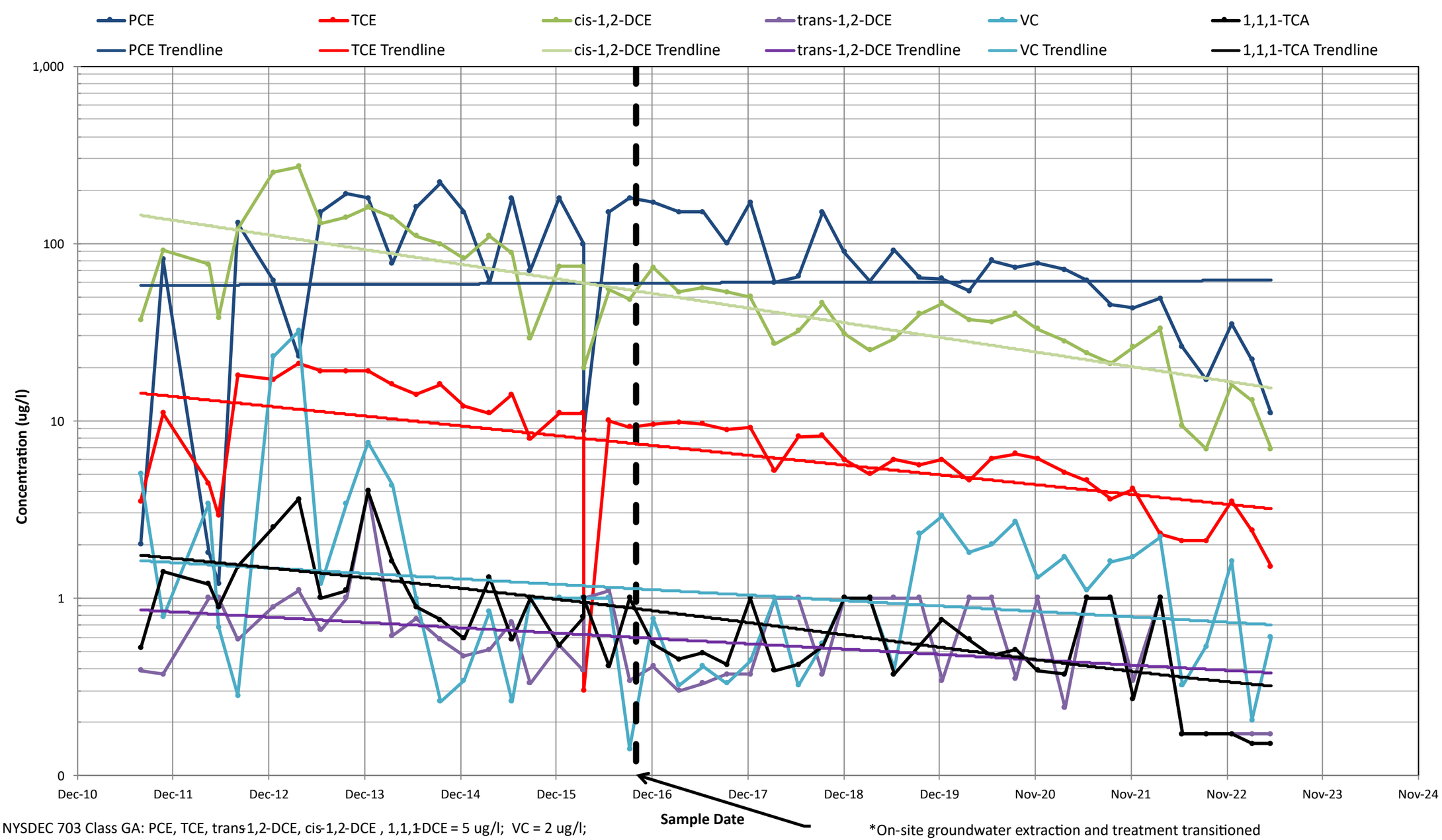
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FIGURE 23

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig24-Chlorinated_VOC_BP-3C
PROJECT: 169000194010170 3 | DATED: 8/1/2023 | DESIGNER: SSOULE



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

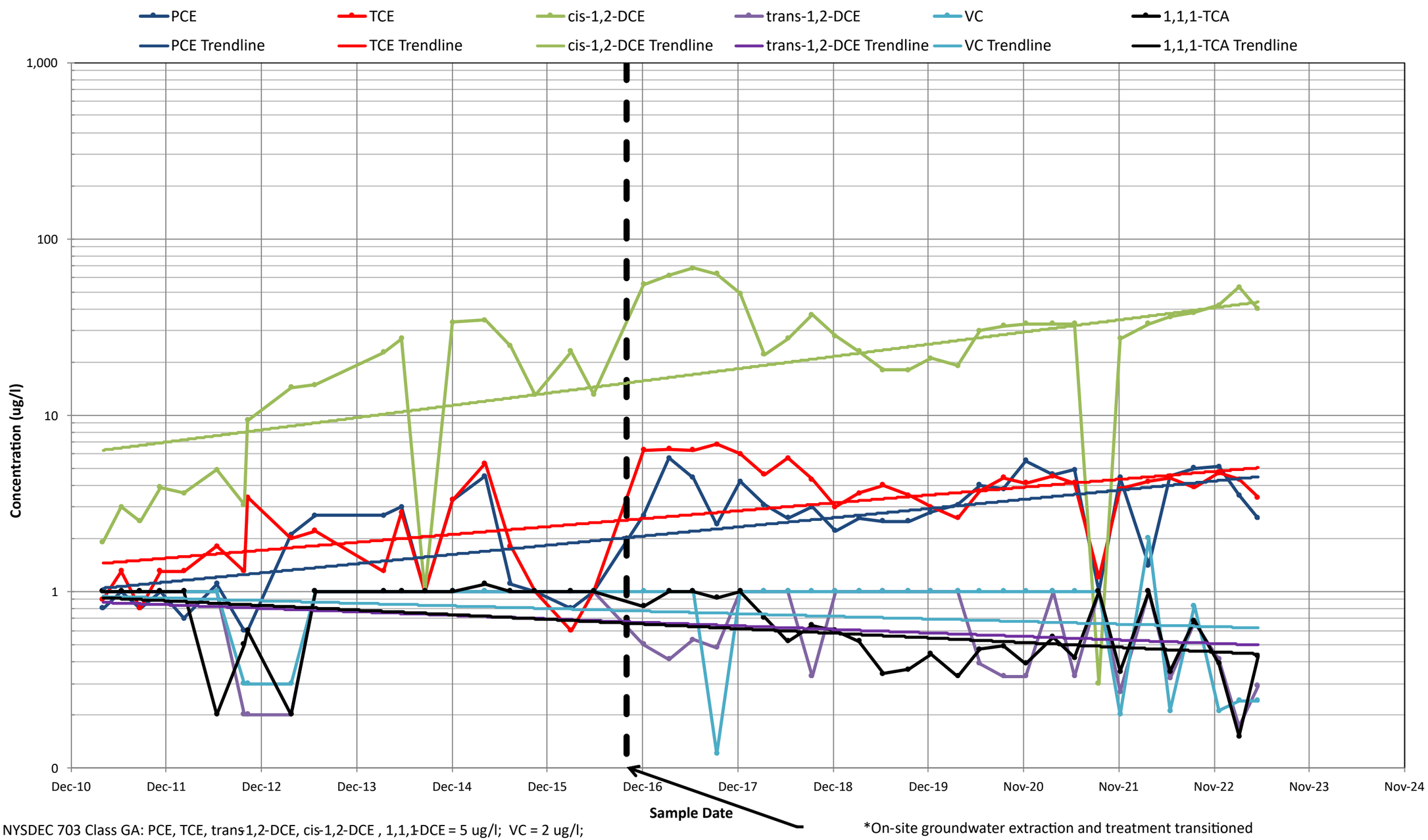
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FIGURE 24

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig25-Chlorinated_VOC_MW-11A
PROJECT: 1940101703 | DATED: 7/14/2023 | DESIGNER: SSOULE



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

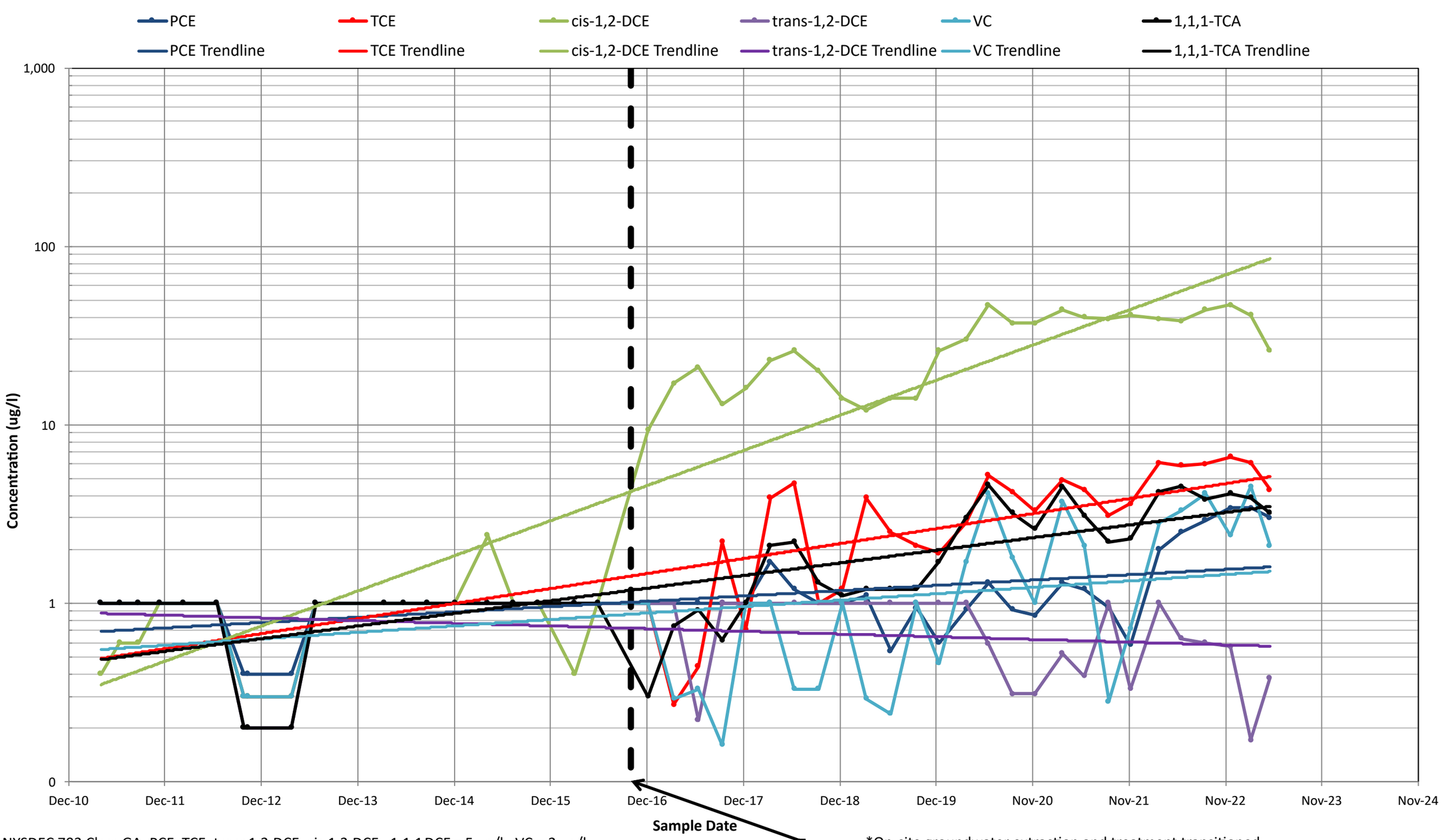
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FIGURE 25

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

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K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig26-Chlorinated_VOC_MW-11B
PROJECT: 1940101703 | DATED: 7/14/2023 | DESIGNER: SSOULE



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
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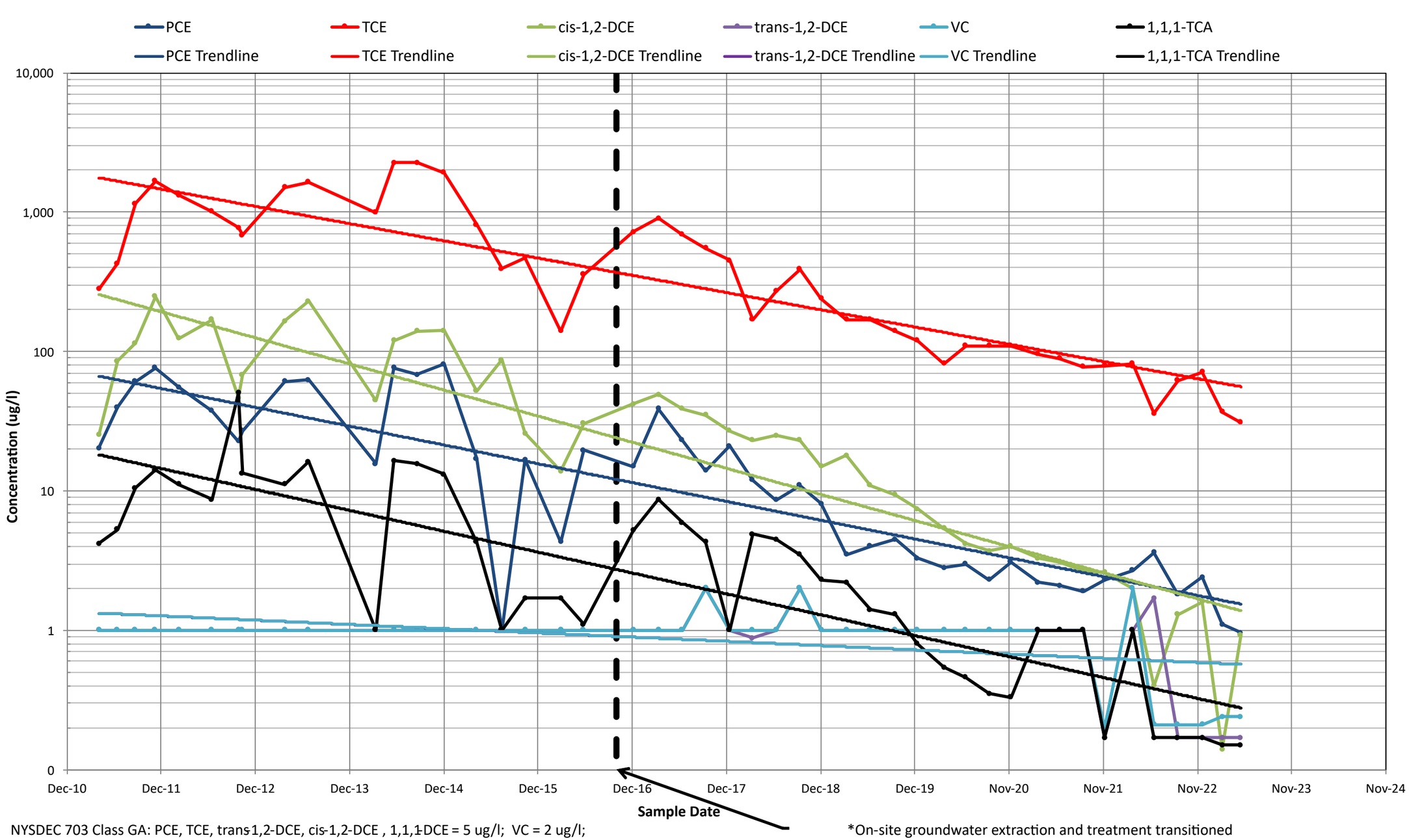
FIGURE 26

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023 aprx\Fig27-Chlorinated_VOC_MW-7B-R

PROJECT: 1940101703 | DATED: 7/14/2023 | DESIGNER: SSOULE



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

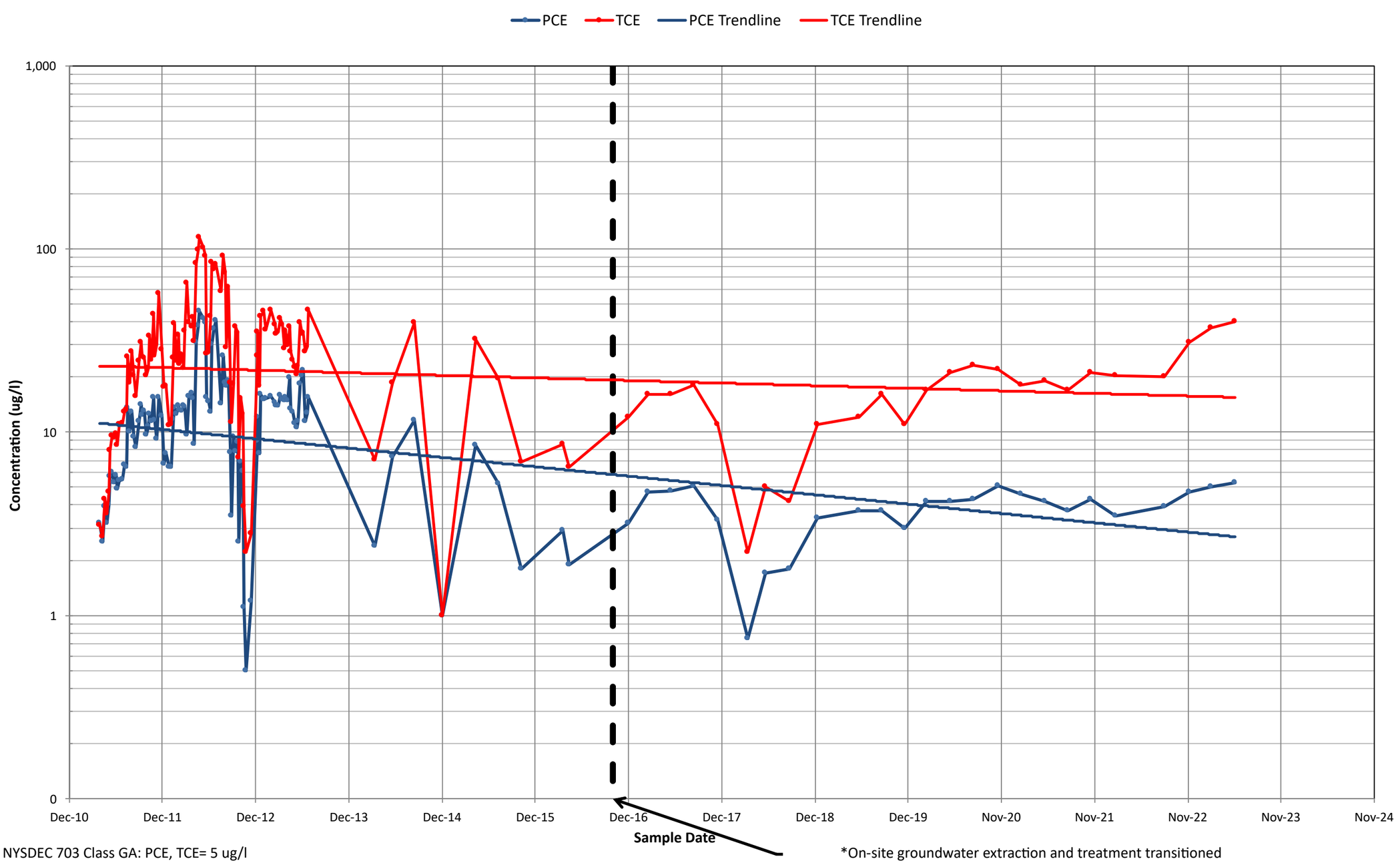
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FIGURE 27

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig28-Chlorinated_VOC_RW-3
PROJECT: 1940101703 | DATED: 7/14/2023 | DESIGNER: SSOULE



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

CLAREMONT POLYCHEMICAL CORPORATION
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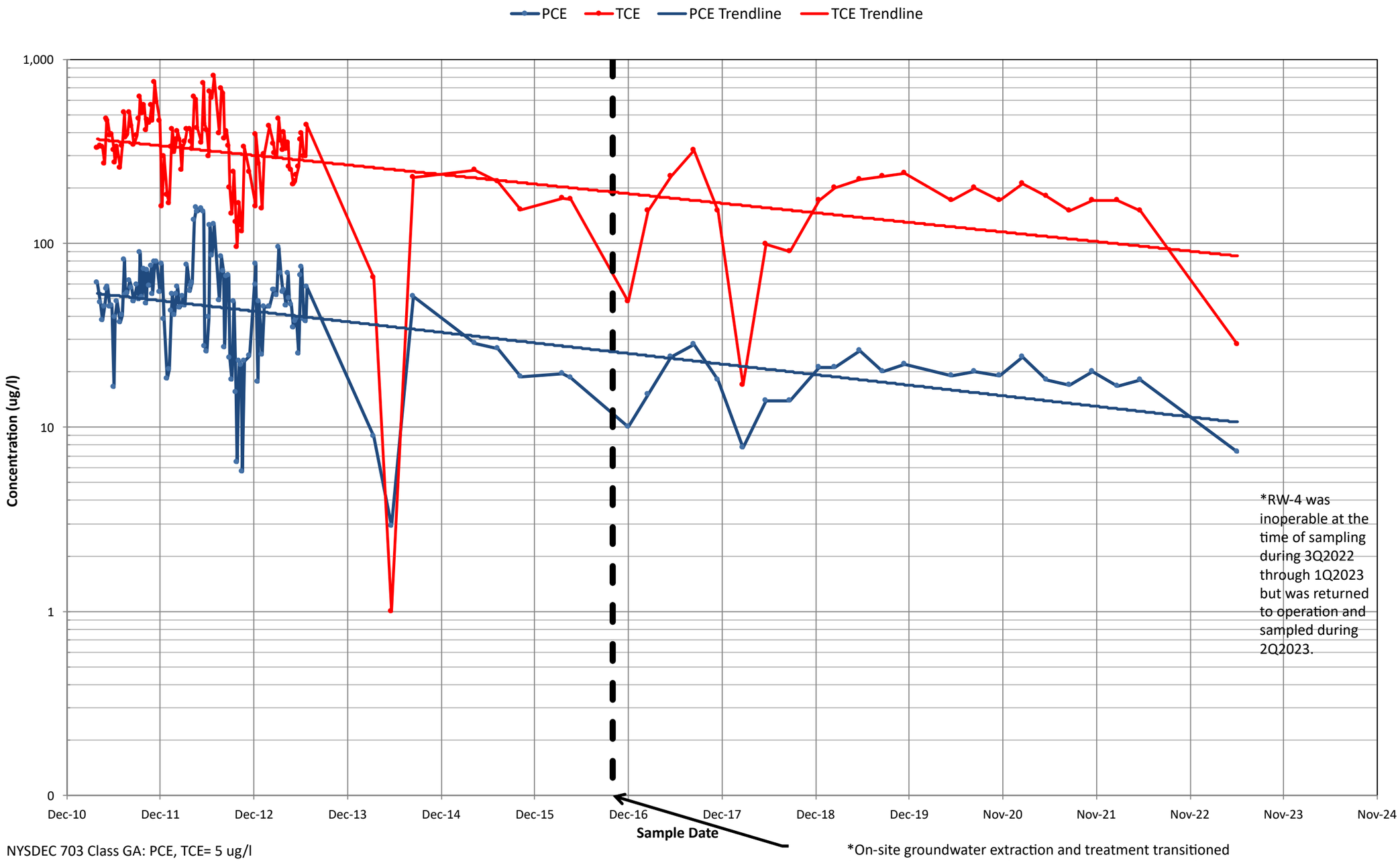
FIGURE 28

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig29-Chlorinated_VOC_RW-4

PROJECT: 1940101703 | DATED: 7/17/2023 | DESIGNER: SSOULE



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

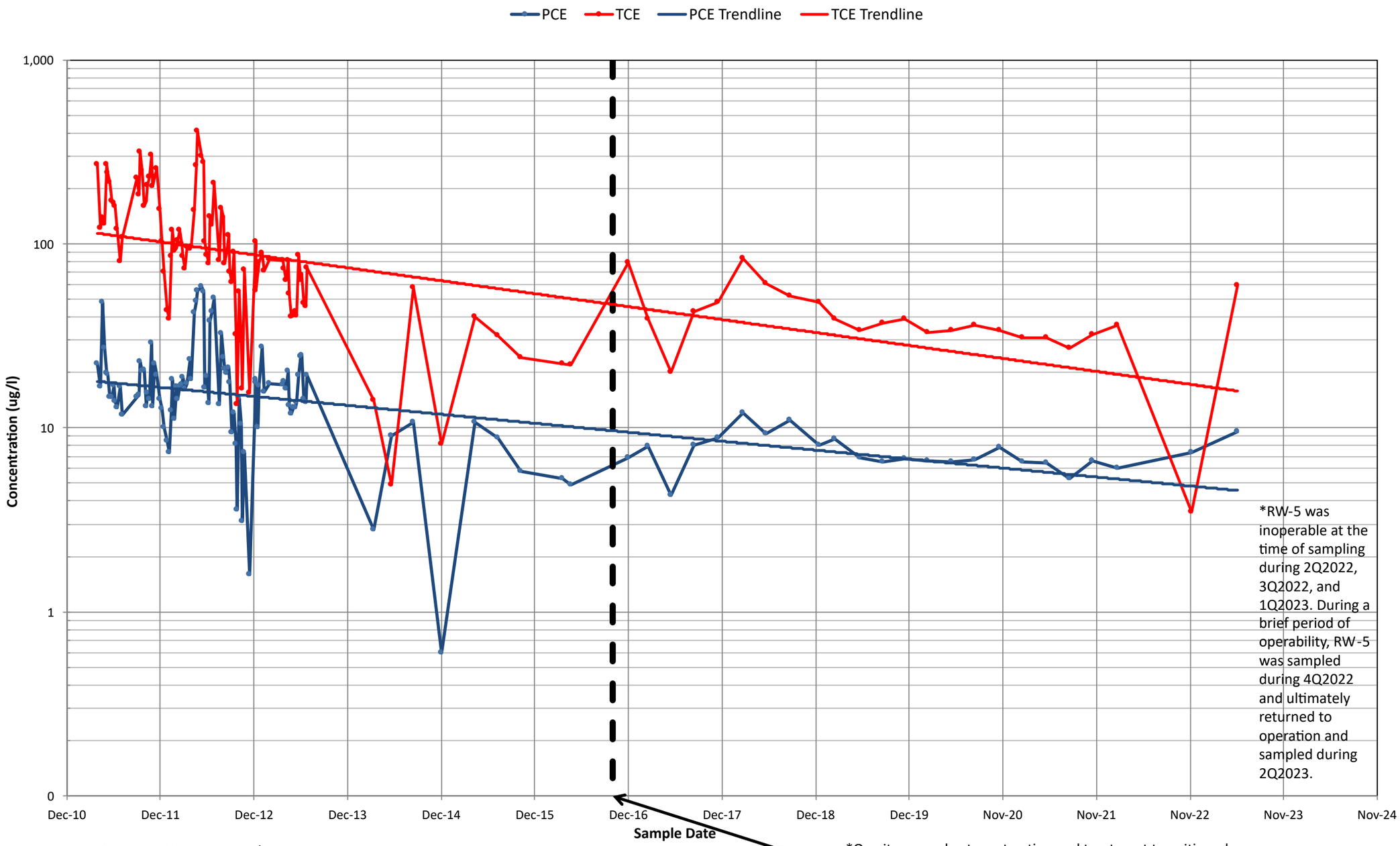
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FIGURE 29

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprxFig30-Chlorinated_VOC_RW-5
PROJECT: 1940101703 | DATED: 7/17/2023 | DESIGNER: SSOULE



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

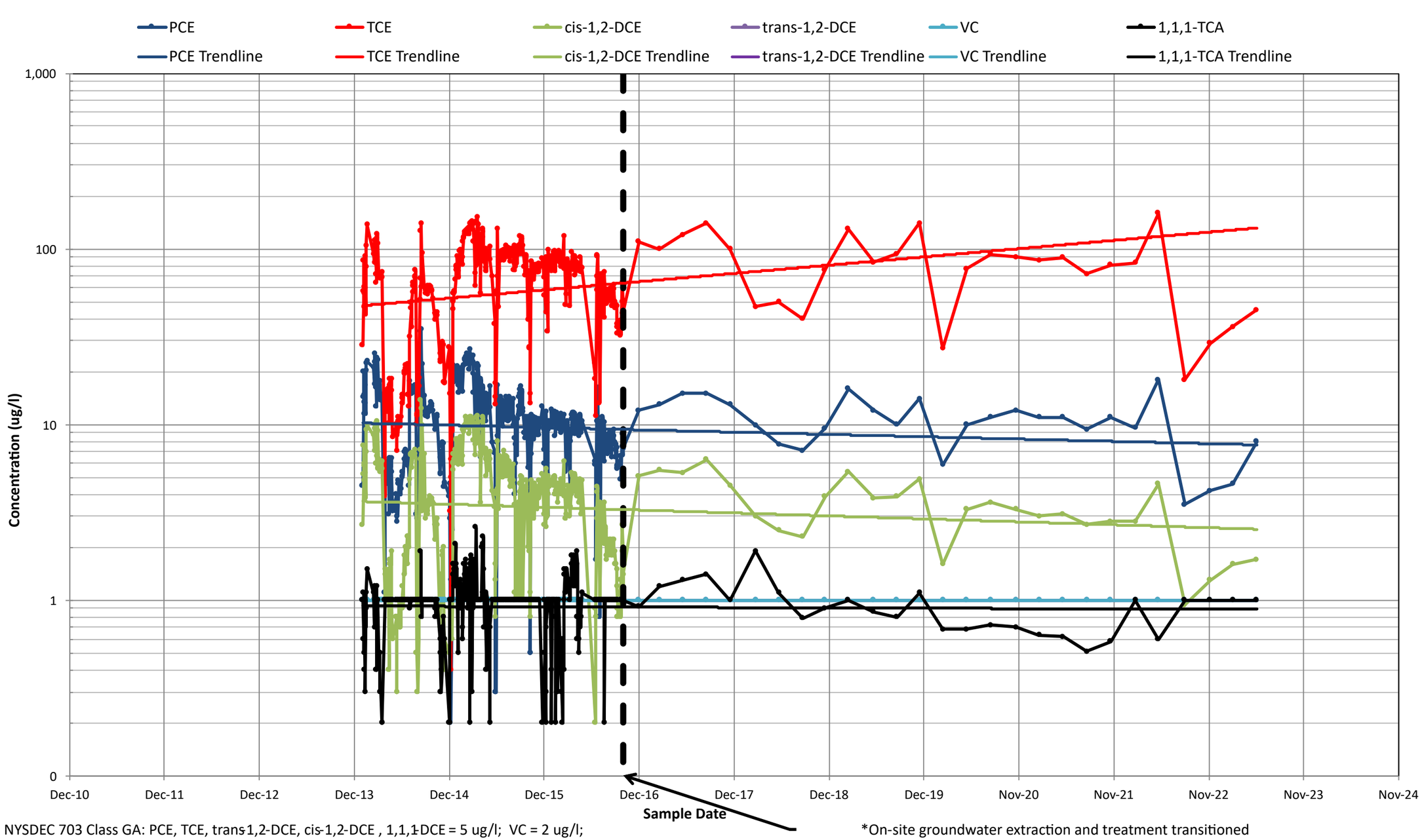
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FIGURE 30

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig31-Chlorinated_VOC_OU-5_Influent
PROJECT: 1940101703 | DATED: 7/14/2023 | DESIGNER: SSOULE



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

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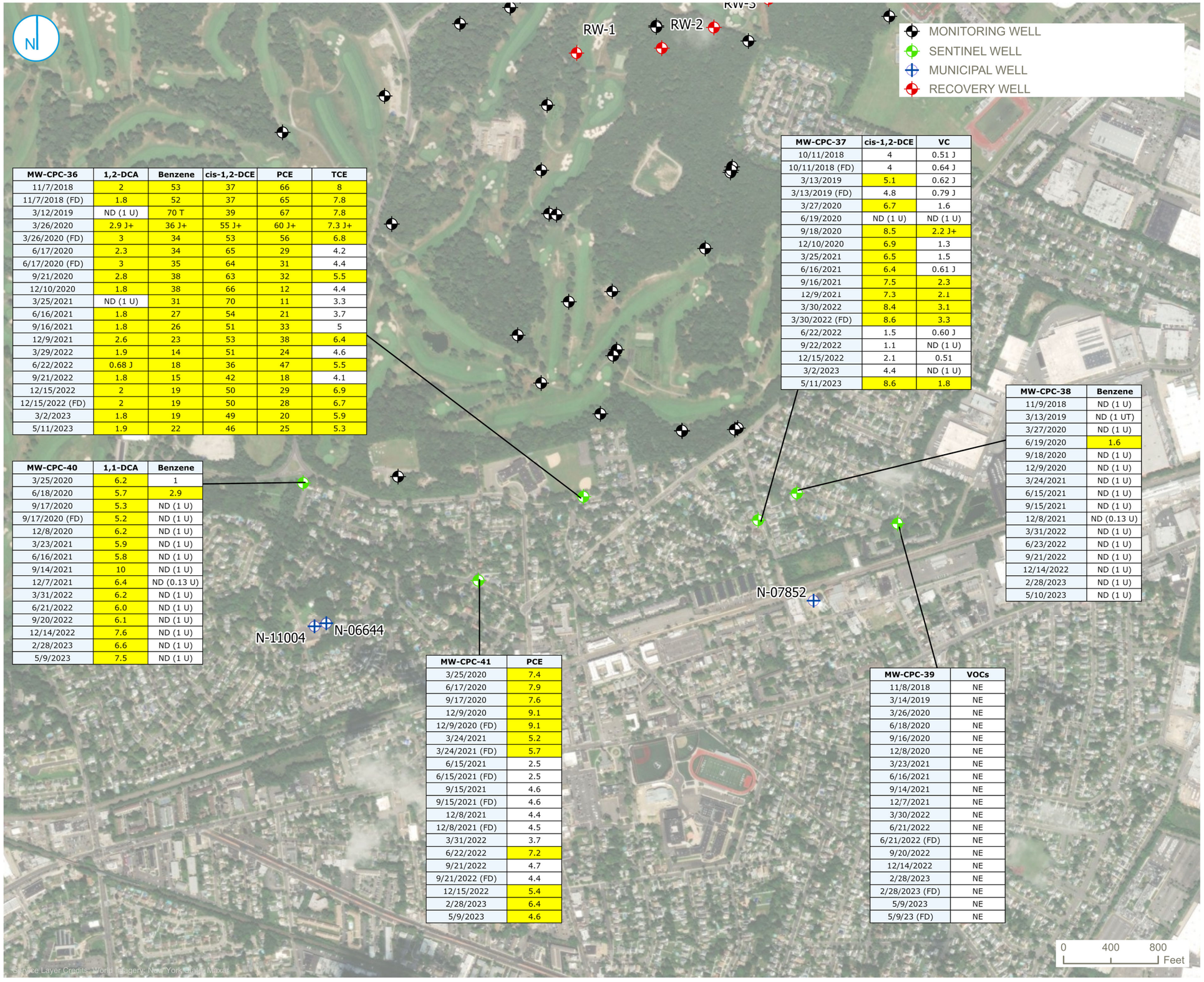
FIGURE 31

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemica_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig32-VOC_Exceedances_Sentinel

PROJECT: 1940101703 | DATED: 7/14/2023 | DESIGNER: SSOULE



MW-CPC-36	1,2-DCA	Benzene	cis-1,2-DCE	PCE	TCE
11/7/2018	2	53	37	66	8
11/7/2018 (FD)	1.8	52	37	65	7.8
3/12/2019	ND (1 U)	70 T	39	67	7.8
3/26/2020	2.9 J+	36 J+	55 J+	60 J+	7.3 J+
3/26/2020 (FD)	3	34	53	56	6.8
6/17/2020	2.3	34	65	29	4.2
6/17/2020 (FD)	3	35	64	31	4.4
9/21/2020	2.8	38	63	32	5.5
12/10/2020	1.8	38	66	12	4.4
3/25/2021	ND (1 U)	31	70	11	3.3
6/16/2021	1.8	27	54	21	3.7
9/16/2021	1.8	26	51	33	5
12/9/2021	2.6	23	53	38	6.4
3/29/2022	1.9	14	51	24	4.6
6/22/2022	0.68 J	18	36	47	5.5
9/21/2022	1.8	15	42	18	4.1
12/15/2022	2	19	50	29	6.9
12/15/2022 (FD)	2	19	50	28	6.7
3/2/2023	1.8	19	49	20	5.9
5/11/2023	1.9	22	46	25	5.3

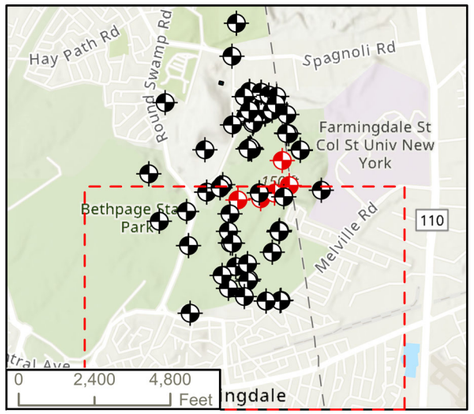
MW-CPC-37	cis-1,2-DCE	VC
10/11/2018	4	0.51 J
10/11/2018 (FD)	4	0.64 J
3/13/2019	5.1	0.62 J
3/13/2019 (FD)	4.8	0.79 J
3/27/2020	6.7	1.6
6/19/2020	ND (1 U)	ND (1 U)
9/18/2020	8.5	2.2 J+
12/10/2020	6.9	1.3
3/25/2021	6.5	1.5
6/16/2021	6.4	0.61 J
9/16/2021	7.5	2.3
12/9/2021	7.3	2.1
3/30/2022	8.4	3.1
3/30/2022 (FD)	8.6	3.3
6/22/2022	1.5	0.60 J
9/22/2022	1.1	ND (1 U)
12/15/2022	2.1	0.51
3/2/2023	4.4	ND (1 U)
5/11/2023	8.6	1.8

MW-CPC-38	Benzene
11/9/2018	ND (1 U)
3/13/2019	ND (1 UT)
3/27/2020	ND (1 U)
6/19/2020	1.6
9/18/2020	ND (1 U)
12/9/2020	ND (1 U)
3/24/2021	ND (1 U)
6/15/2021	ND (1 U)
9/15/2021	ND (1 U)
12/8/2021	ND (0.13 U)
3/31/2022	ND (1 U)
6/23/2022	ND (1 U)
9/21/2022	ND (1 U)
12/14/2022	ND (1 U)
2/28/2023	ND (1 U)
5/10/2023	ND (1 U)

MW-CPC-40	1,1-DCA	Benzene
3/25/2020	6.2	1
6/18/2020	5.7	2.9
9/17/2020	5.3	ND (1 U)
9/17/2020 (FD)	5.2	ND (1 U)
12/8/2020	6.2	ND (1 U)
3/23/2021	5.9	ND (1 U)
6/16/2021	5.8	ND (1 U)
9/14/2021	10	ND (1 U)
12/7/2021	6.4	ND (0.13 U)
3/31/2022	6.2	ND (1 U)
6/21/2022	6.0	ND (1 U)
9/20/2022	6.1	ND (1 U)
12/14/2022	7.6	ND (1 U)
2/28/2023	6.6	ND (1 U)
5/9/2023	7.5	ND (1 U)

MW-CPC-41	PCE
3/25/2020	7.4
6/17/2020	7.9
9/17/2020	7.6
12/9/2020	9.1
12/9/2020 (FD)	9.1
3/24/2021	5.2
3/24/2021 (FD)	5.7
6/15/2021	2.5
6/15/2021 (FD)	2.5
9/15/2021	4.6
9/15/2021 (FD)	4.6
12/8/2021	4.4
12/8/2021 (FD)	4.5
3/31/2022	3.7
6/22/2022	7.2
9/21/2022	4.7
9/21/2022 (FD)	4.4
12/15/2022	5.4
2/28/2023	6.4
5/9/2023	4.6

MW-CPC-39	VOCs
11/8/2018	NE
3/14/2019	NE
3/26/2020	NE
6/18/2020	NE
9/16/2020	NE
12/8/2020	NE
3/23/2021	NE
6/16/2021	NE
9/14/2021	NE
12/7/2021	NE
3/30/2022	NE
6/21/2022	NE
6/21/2022 (FD)	NE
9/20/2022	NE
12/14/2022	NE
2/28/2023	NE
2/28/2023 (FD)	NE
5/9/2023	NE
5/9/23 (FD)	NE



Monitoring Well Results Notes:

1. Groundwater Quality Standards and Guidance Values: NYSDEC TOGS 1.1.1 (includes 6 NYCRR Part 703) Class GA. June 1998 and subsequent addenda.
2. Only compounds with exceedances are shown. If the compound is not shown it was not detected above the criteria.
3. Criteria for compounds shown on this figure are presented in the table below.
4. Exceedance of relevant criteria indicated by yellow highlighting in the data box on the map.
5. NE indicates no exceedances. ND indicates non-detect at the detection limit shown.
6. Quarter 3 2021 data has not been validated.
7. All results presented in ug/L.
8. 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

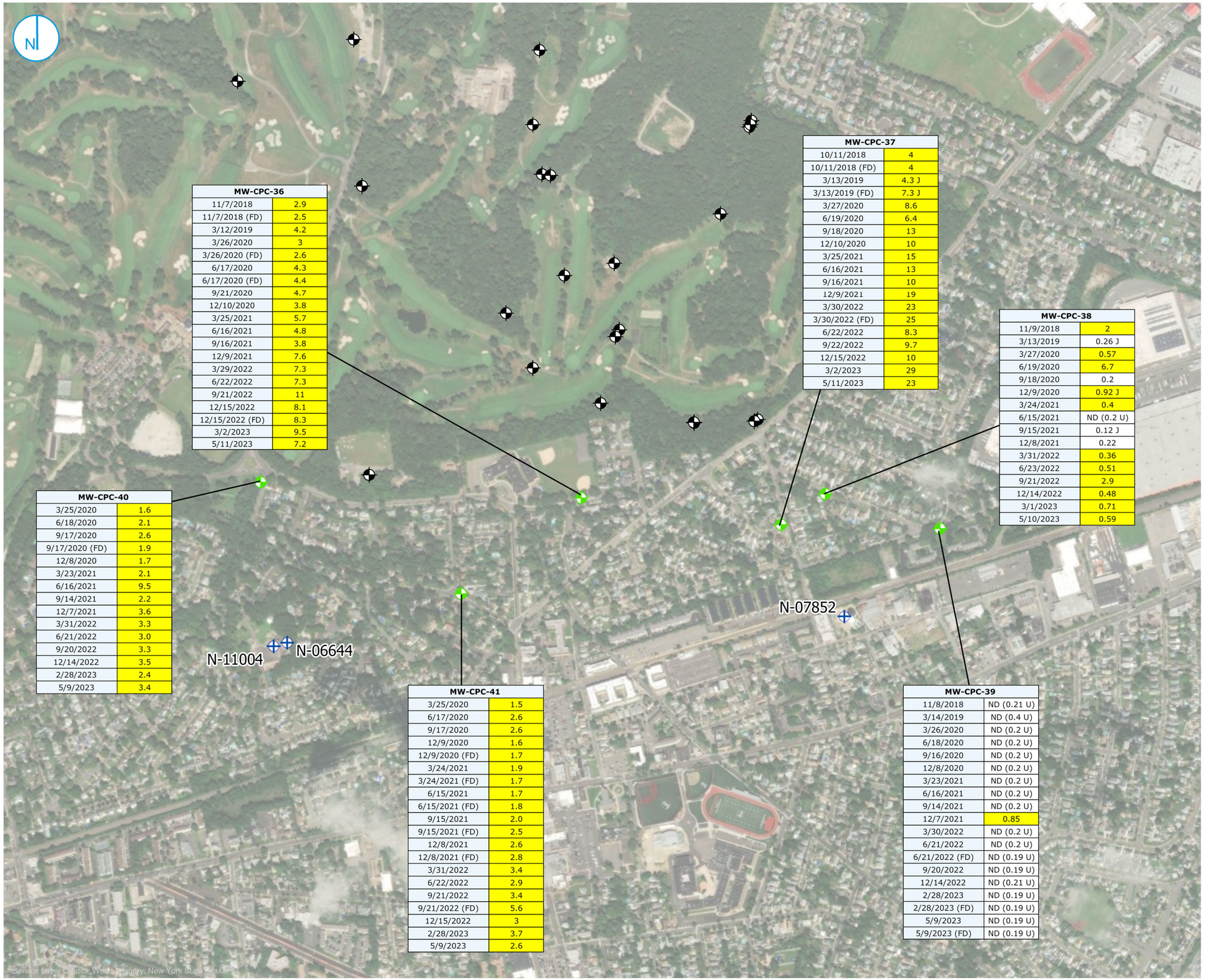
VOC EXCEEDANCES IN SENTINEL WELLS

CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

FIGURE 32

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL



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

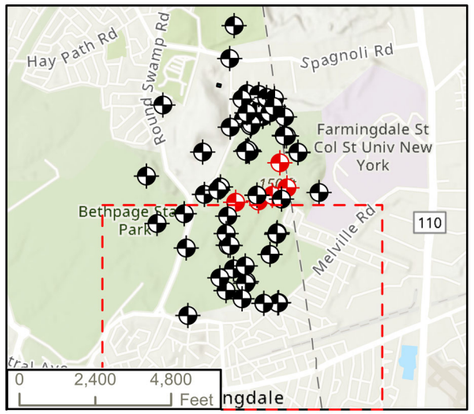
MW-CPC-37	
10/11/2018	4
10/11/2018 (FD)	4
3/13/2019	4.3 J
3/13/2019 (FD)	7.3 J
3/27/2020	8.6
6/19/2020	6.4
9/18/2020	13
12/10/2020	10
3/25/2021	15
6/16/2021	13
9/16/2021	10
12/9/2021	19
3/30/2022	23
3/30/2022 (FD)	25
6/22/2022	8.3
9/22/2022	9.7
12/15/2022	10
3/2/2023	29
5/11/2023	23

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

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

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

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)



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

Monitoring Well Results Notes:

1. 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.
2. Exceedance of relevant criteria indicated by yellow highlighting in the data box on the map.
3. ND indicates non-detect at the detection limit shown.
4. Quarter 3 2021 data has not been validated.
7. All results presented in ug/L.
8. J - Result is estimated. +/- indicates direction of bias.
   U - Result is non-detect.

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

0 350 700 Feet

1,4-DIOXANE EXCEEDANCES IN SENTINEL WELLS

CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

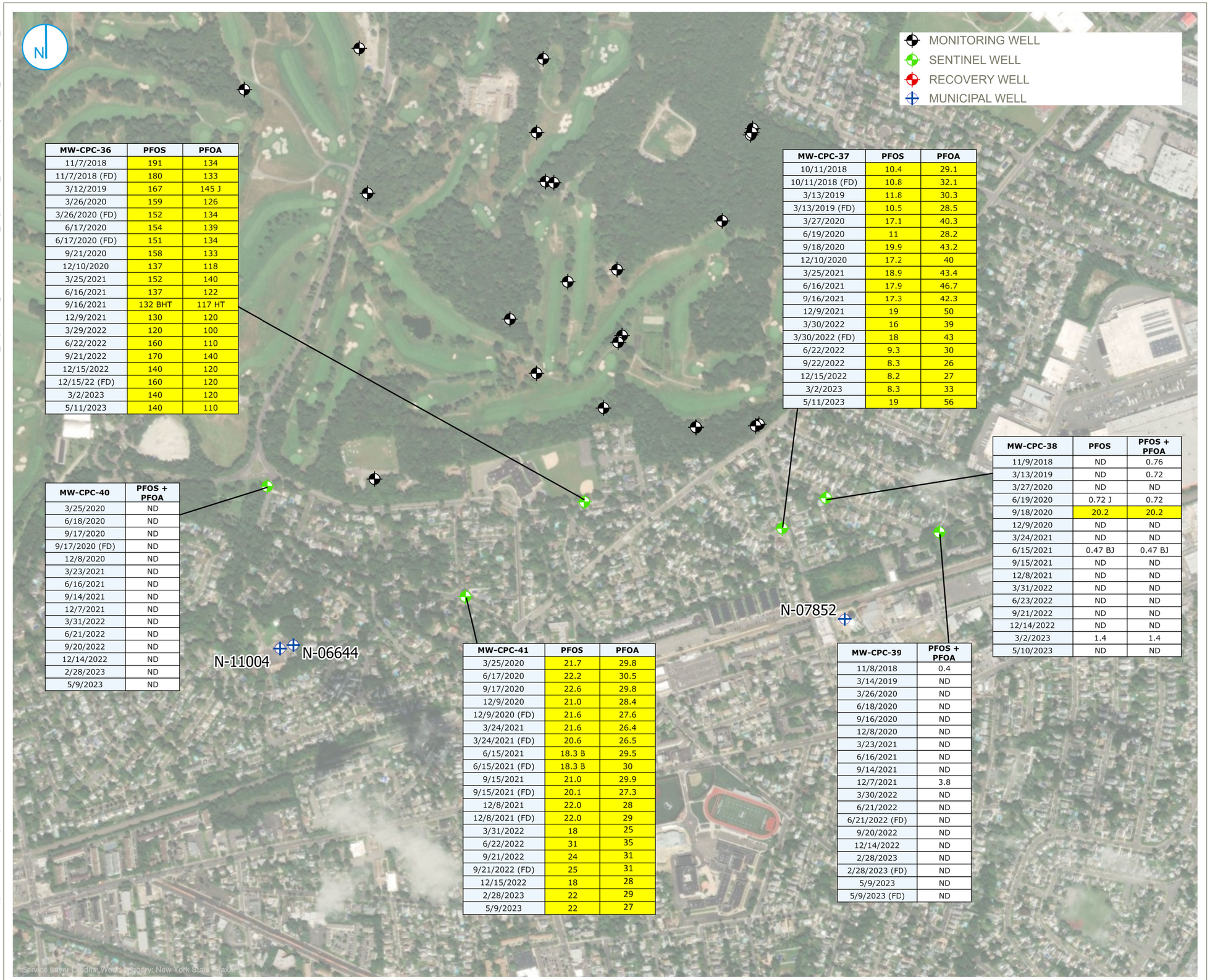
FIGURE 33

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig33-Dioxane_Exceedances_Sentinel

PROJECT: 1940101703 | DATED: 8/1/2023 | DESIGNER: SSOULE



MW-CPC-36	PFOS	PFOA
11/7/2018	191	134
11/7/2018 (FD)	180	133
3/12/2019	167	145 J
3/26/2020	159	126
3/26/2020 (FD)	152	134
6/17/2020	154	139
6/17/2020 (FD)	151	134
9/21/2020	158	133
12/10/2020	137	118
3/25/2021	152	140
6/16/2021	137	122
9/16/2021	132 BHT	117 HT
12/9/2021	130	120
3/29/2022	120	100
6/22/2022	160	110
9/21/2022	170	140
12/15/2022	140	120
12/15/22 (FD)	160	120
3/2/2023	140	120
5/11/2023	140	110

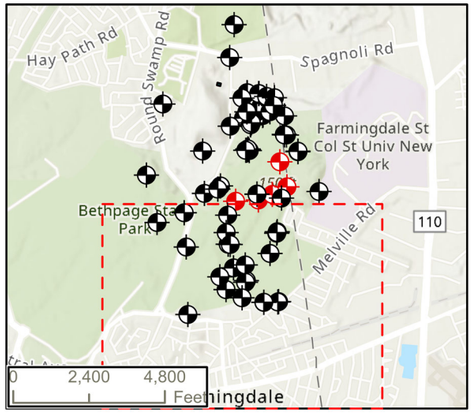
MW-CPC-37	PFOS	PFOA
10/11/2018	10.4	29.1
10/11/2018 (FD)	10.8	32.1
3/13/2019	11.8	30.3
3/13/2019 (FD)	10.5	28.5
3/27/2020	17.1	40.3
6/19/2020	11	28.2
9/18/2020	19.9	43.2
12/10/2020	17.2	40
3/25/2021	18.9	43.4
6/16/2021	17.9	46.7
9/16/2021	17.3	42.3
12/9/2021	19	50
3/30/2022	16	39
3/30/2022 (FD)	18	43
6/22/2022	9.3	30
9/22/2022	8.3	26
12/15/2022	8.2	27
3/2/2023	8.3	33
5/11/2023	19	56

MW-CPC-38	PFOS	PFOS + PFOA
11/9/2018	ND	0.76
3/13/2019	ND	0.72
3/27/2020	ND	ND
6/19/2020	0.72 J	0.72
9/18/2020	20.2	20.2
12/9/2020	ND	ND
3/24/2021	ND	ND
6/15/2021	0.47 BJ	0.47 BJ
9/15/2021	ND	ND
12/8/2021	ND	ND
3/31/2022	ND	ND
6/23/2022	ND	ND
9/21/2022	ND	ND
12/14/2022	ND	ND
3/2/2023	1.4	1.4
5/10/2023	ND	ND

MW-CPC-40	PFOS + PFOA
3/25/2020	ND
6/18/2020	ND
9/17/2020	ND
9/17/2020 (FD)	ND
12/8/2020	ND
3/23/2021	ND
6/16/2021	ND
9/14/2021	ND
12/7/2021	ND
3/31/2022	ND
6/21/2022	ND
9/20/2022	ND
12/14/2022	ND
2/28/2023	ND
5/9/2023	ND

MW-CPC-41	PFOS	PFOA
3/25/2020	21.7	29.8
6/17/2020	22.2	30.5
9/17/2020	22.6	29.8
12/9/2020	21.0	28.4
12/9/2020 (FD)	21.6	27.6
3/24/2021	21.6	26.4
3/24/2021 (FD)	20.6	26.5
6/15/2021	18.3 B	29.5
6/15/2021 (FD)	18.3 B	30
9/15/2021	21.0	29.9
9/15/2021 (FD)	20.1	27.3
12/8/2021	22.0	28
12/8/2021 (FD)	22.0	29
3/31/2022	18	25
6/22/2022	31	35
9/21/2022	24	31
9/21/2022 (FD)	25	31
12/15/2022	18	28
2/28/2023	22	29
5/9/2023	22	27

MW-CPC-39	PFOS + PFOA
11/8/2018	0.4
3/14/2019	ND
3/26/2020	ND
6/18/2020	ND
9/16/2020	ND
12/8/2020	ND
3/23/2021	ND
6/16/2021	ND
9/14/2021	ND
12/7/2021	3.8
3/30/2022	ND
6/21/2022	ND
6/21/2022 (FD)	ND
9/20/2022	ND
12/14/2022	ND
2/28/2023	ND
2/28/2023 (FD)	ND
5/9/2023	ND
5/9/2023 (FD)	ND



Monitoring Well Results Notes:

1. 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.
2. Only compounds with exceedances are shown. If the compound is not shown it was not detected above the criteria.
3. Criteria for compounds shown on this figure are presented in the table below.
4. Exceedance of relevant criteria indicated by yellow highlighting in the data box on the map.
5. ND indicates constituents of total are nondetect.
6. Quarter 3 2021 data has not been validated.
7. All results presented in ng/L.
8. 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

0 350 700 Feet

PFAS EXCEEDANCES IN SENTINEL WELLS

CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

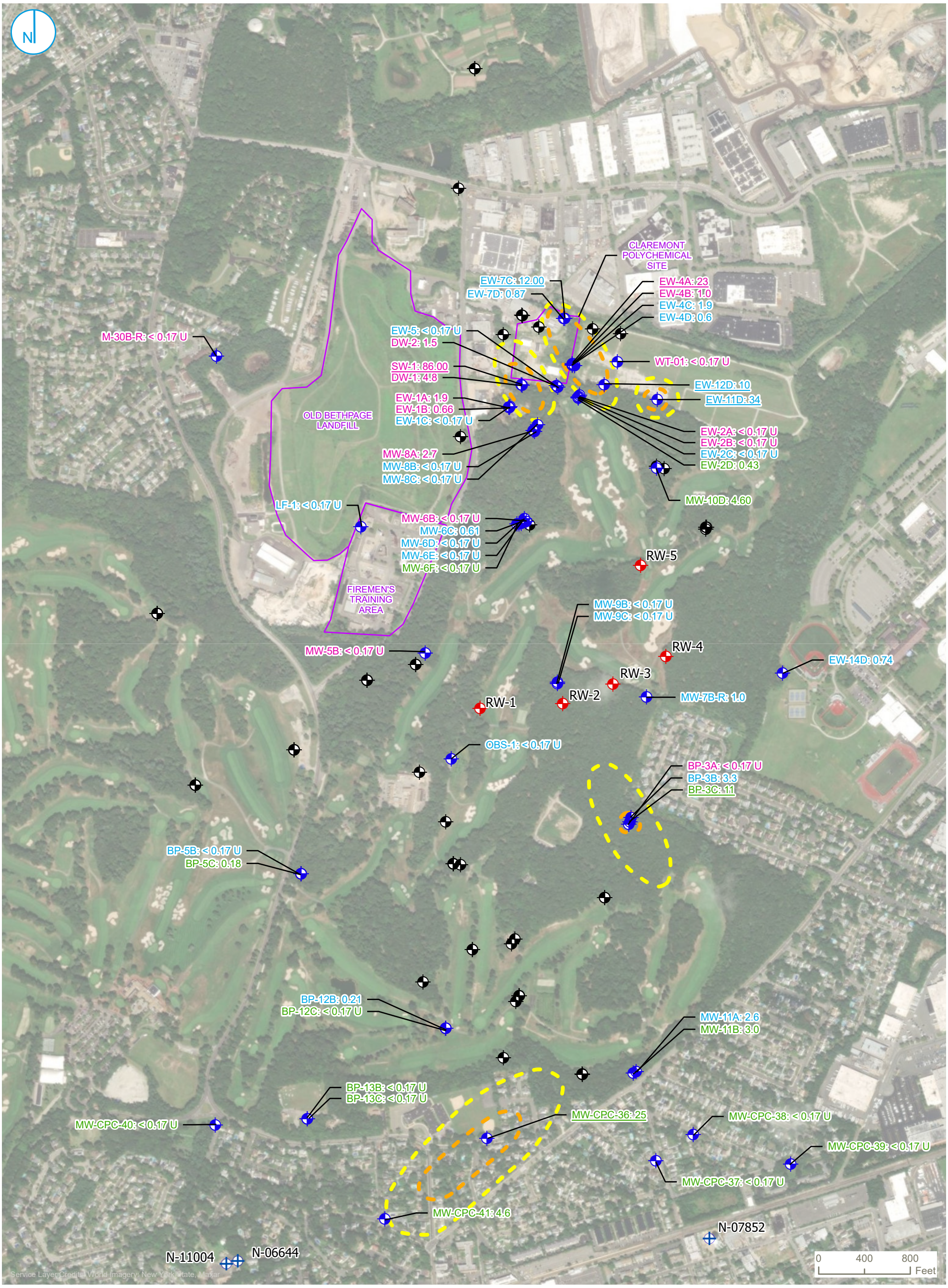
FIGURE 34

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\ClaremontPro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig34-PFAS_Exceedances_Sentinel

PROJECT: 1940101703 | DATED: 8/3/2023 | DESIGNER: SSOULE



- SAMPLED MONITORING WELL
- UNSAMPLED MONITORING WELL
- RECOVERY WELL
- MUNICIPAL WELL

PCE CONCENTRATION PLUME
- 5 - 10 ug/L
- 10 - 100 ug/L
- > 100 ug/L

Notes:
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.

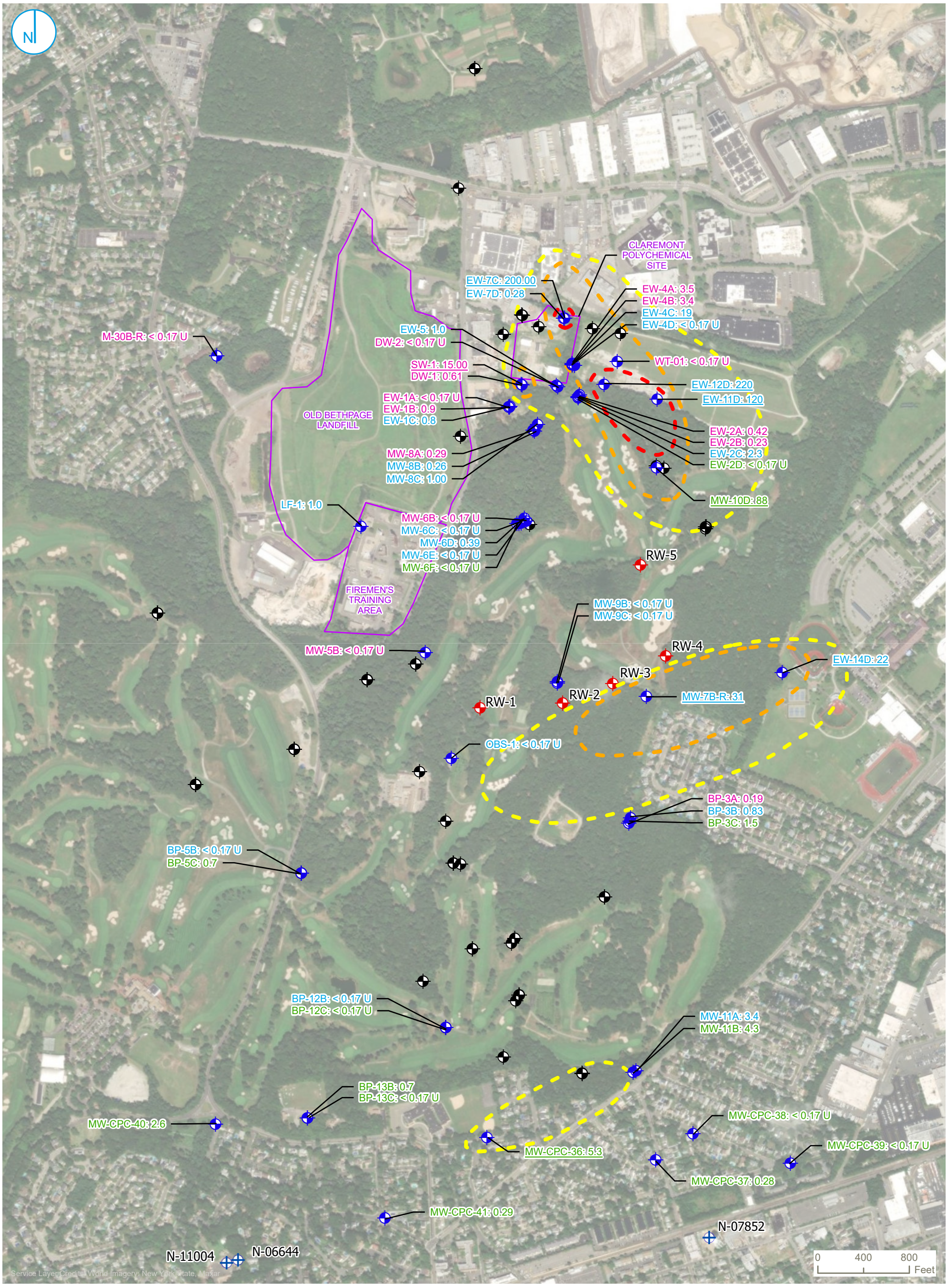
AQUIFER POSITION
- UPPER MAGOTHY
- MIDDLE MAGOTHY
- LOWER MAGOTHY

MAY 2023 TETRACHLOROETHENE (PCE) PLUME

CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

FIGURE 35

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:
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

MAY 2023 TRICHLOROETHENE (TCE) PLUME

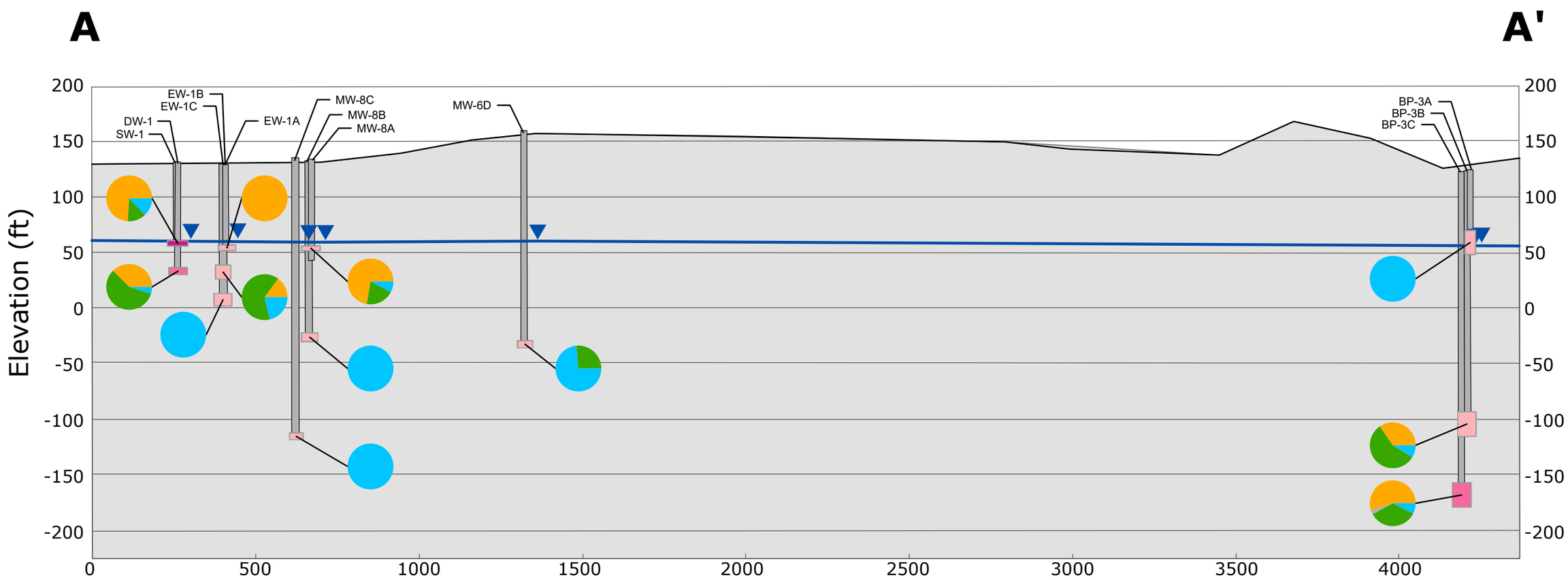
CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

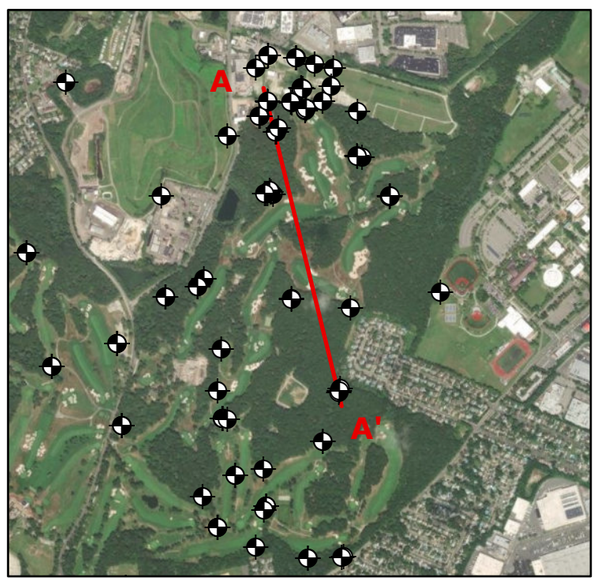
FIGURE 36

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY
RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig37-Cross_Section_Transect_A

PROJECT: 1940101703 | DATED: 7/14/2023 | DESIGNER: SSOULE

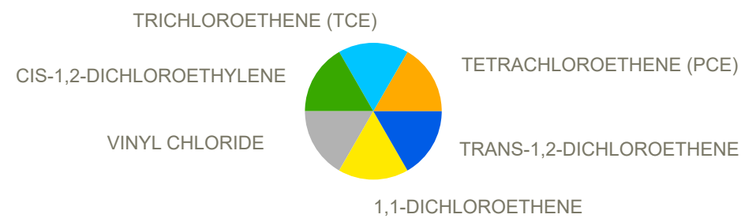




Casing
Screen Interval
Groundwater Elevation (ft amsl)

Sum of CVOCs (ug/L)

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



Notes

- Samples collected during Q2 2023.
- 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

CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

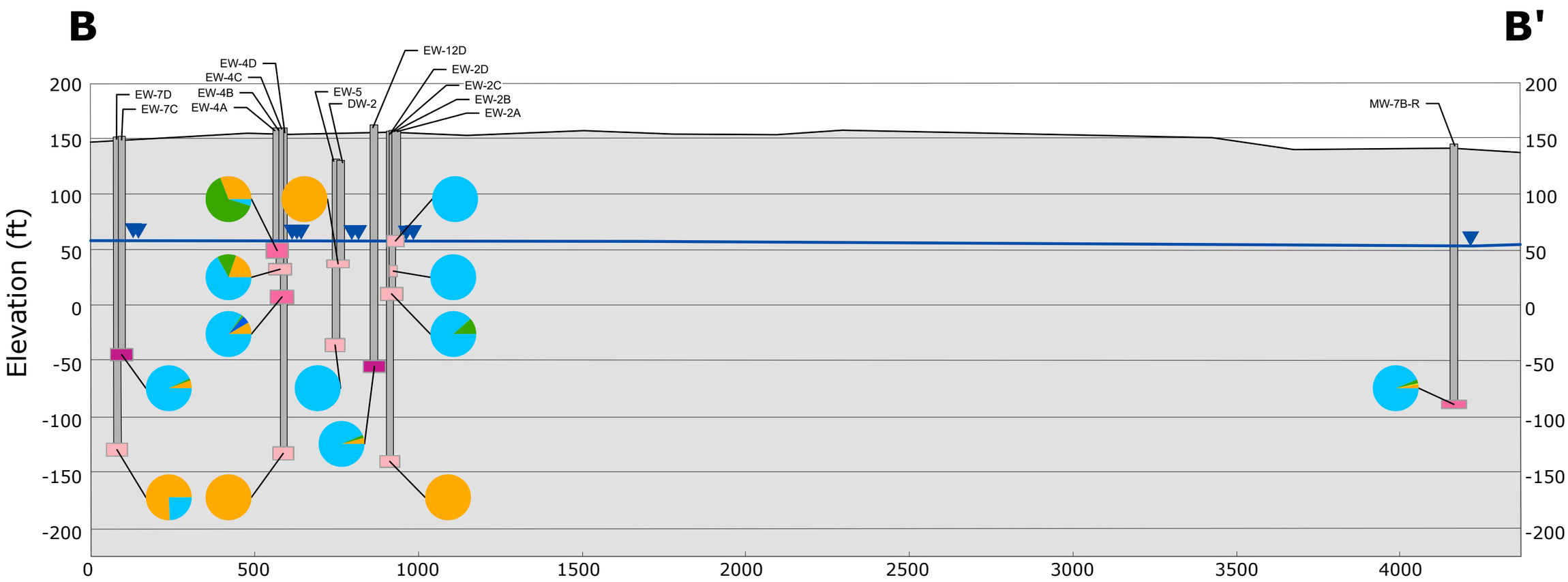
FIGURE 37

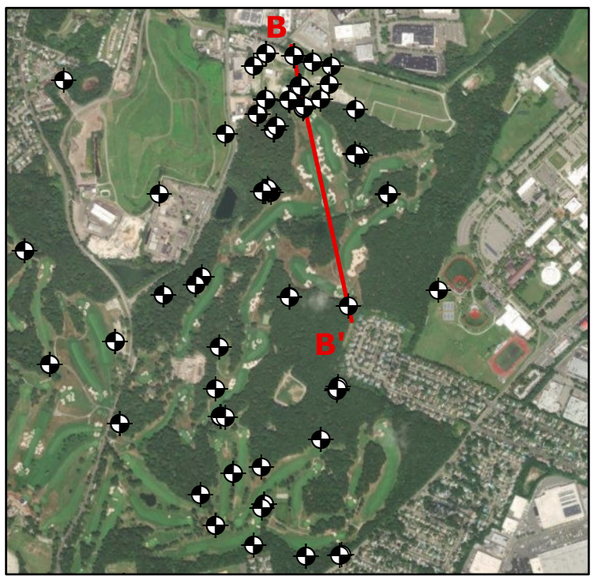
RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Claremont\Pro\Claremont_Polychemical_2Q2023\Claremont_Polychemical_2Q2023.aprx\Fig38-Cross_Section_Transect_B

PROJECT: 1940101703 | DATED: 7/14/2023 | DESIGNER: SSOULE

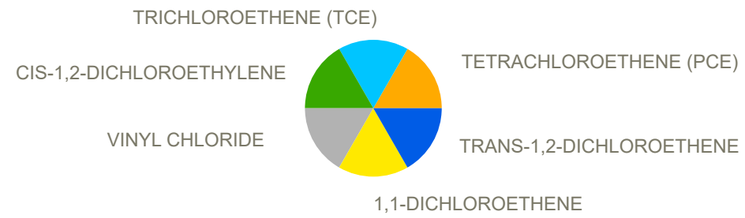




Casing
Screen Interval
Groundwater Elevation (ft amsl)

Sum of CVOCs (ug/L)

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



Notes

- Samples collected during Q2 2023.
- 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.

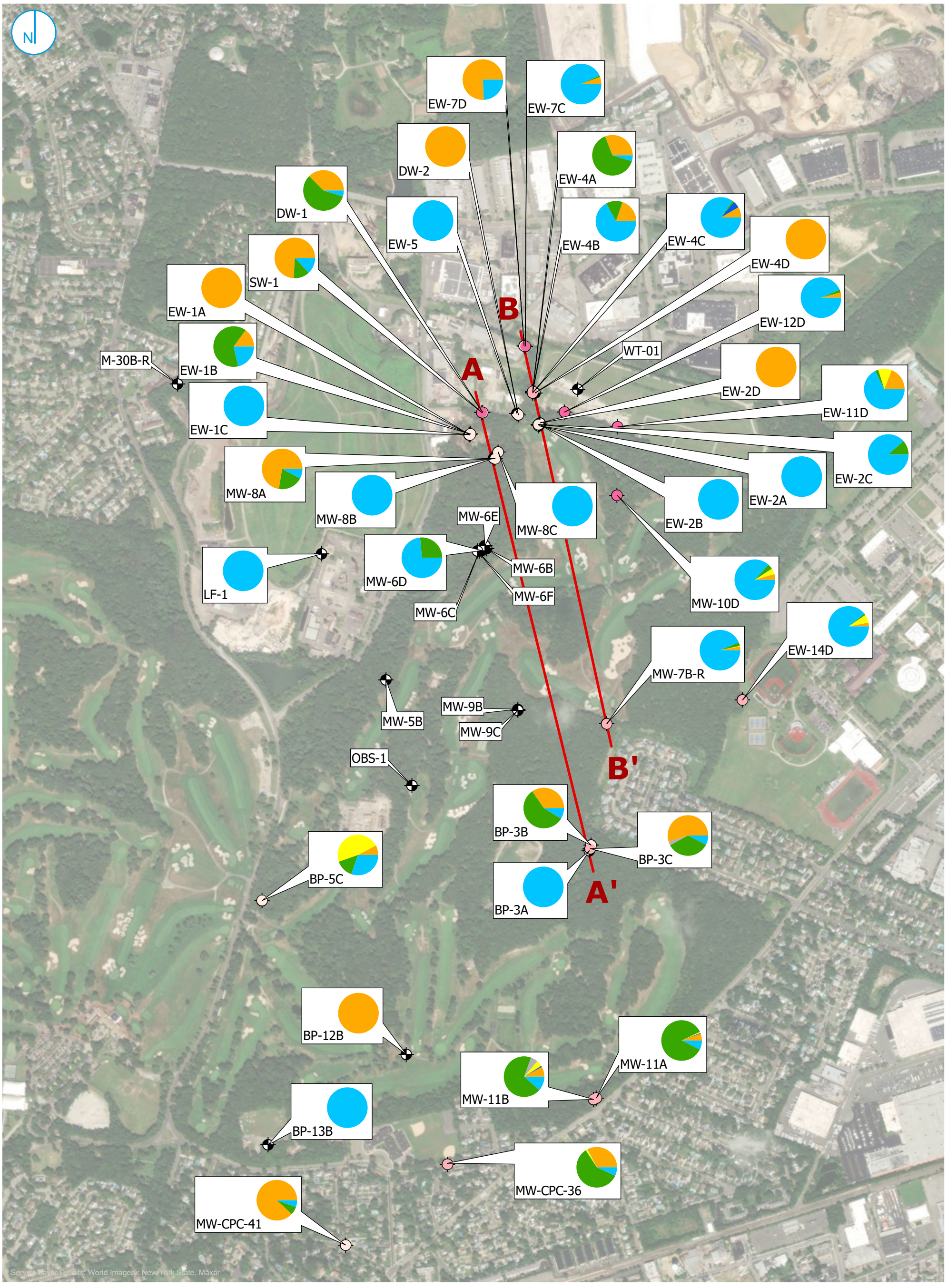
CROSS SECTION TRANSECT B

CLAREMONT POLYCHEMICAL CORPORATION
505 WINDING ROAD
OLD BETHPAGE, NEW YORK

FIGURE 38

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL



Sum of CVOCs (ug/L)

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

Cross Section Transects

TRICHLOROETHENE (TCE)
CIS-1,2-DICHLOROETHYLENE
TETRACHLOROETHENE (PCE)
VINYL CHLORIDE
TRANS-1,2-DICHLOROETHYLENE
1,1-DICHLOROETHENE

0 400 800 Feet

Notes
- Samples collected during Q2 2023.
- 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
MAY 9, 2023

Recording Date:			5/9/2023	**Recorded by:**		SH, LB, MF
Well	**1Q 2023 Depth to Water Reading (ft)**	**Time**	**Measuring Point Elevation (ft AMSL)**	**Depth to Water Reading (ft)**	**Water Elevation (ft AMSL)**	**Comments**
BP-1A	48.92	12:48	109.77	49.13	**60.64**	
BP-1B	49	12:50	109.53	48.91	**60.62**	
BP-1C	49.2	12:47	109.37	48.59	**60.78**	
BP-2A	89.31	11:22	151	89.11	**61.89**	
BP-2B*	89.49	11:20	151.13	89.27	**61.86**	
BP-3A	66.02	7:11	124.16	66.13	**58.03**	
BP-3B	67.38	7:13	123.19	67.22	**55.97**	
BP-3C	67.56	7:13	123.91	67.35	**56.56**	
BP-4A	35.07	11:39	92.69	35	**57.69**	
BP-4B*	34.38	11:37	91.92	34.34	**57.58**	
BP-4C*	34.61	11:34	91.68	34.61	**57.07**	
BP-4I	34.55	11:36	92.1	34.49	**57.61**	
BP-5A	38.44	11:06	96.34	38.42	**57.92**	
BP-5B	38.73	8:44	96.48	38.71	**57.77**	
BP-5C	38.76	8:45	96.28	38.79	**57.49**	
BP-6A	42.51	10:15	102.55	42.57	**59.98**	
BP-6B	42.99	10:18	102.58	43.03	**59.55**	
BP-6C	42.58	10:17	102.35	42.69	**59.66**	
BP-7A	85.39	10:32	147.54	85.49	**62.05**	
BP-7B	86.73	10:29	148.76	86.88	**61.88**	
BP-7C	86.44	10:26	148.4	86.61	**61.79**	
BP-8A	30.07	10:46	89.88	30.15	**59.73**	
BP-8B	28.95	10:42	89.82	29.88	**59.94**	
BP-8C	30.4	10:44	89.53	29.5	**60.03**	
BP-9B*	29.22	12:25	85.09	29	**56.09**	
BP-9C*	29.91	12:24	84.88	29.91	**54.97**	
BP-9I	29.27	12:26	85.18	29.05	**56.13**	
BP-10B*	26.91	12:08	81.21	26.51	**54.70**	
BP-10C*	27.91	12:12	80.94	27.88	**53.06**	
BP-11	-	**-**	81.76	**-**	**-**	Well buried
BP-12A*	22.86	12:34	78.33	22.69	**55.64**	
BP-12B	22.86	8:55	78.24	23.72	**54.52**	
BP-12C	23.94	8:55	78.56	23.99	**54.57**	
BP-13B	79.42	9:06	133.37	79.82	**53.55**	
BP-13C	80.26	9:05	133.67	80.75	**52.92**	
BP-14B*	25.41	11:45	81.5	25.31	**56.19**	
BP-14C*	25.84	11:47	81.48	25.85	**55.63**	
BP-15B	41.88	11:59	98.38	41.70	**56.68**	
BP-15C	41.85	11:58	98.45	41.75	**56.70**	
DW-1	68.18	11:14	130.13	68.21	**61.92**	
DW-2	73.94	11:17	135.52	73.99	**61.53**	
EW-1A	66.81	12:25	128.75	66.85	**61.90**	
EW-1B	67.38	9:52	129.31	67.39	**61.92**	
EW-1C	67.52	9:54	129.16	67.61	**61.55**	
EW-2A	95.01	7:49	156.09	95.08	**61.01**	
EW-2B	-	7:53	156.5	95.37	**61.13**	
EW-2C	-	7:51	156.5	95.33	**61.17**	
EW-2D	95.92	7:54	157.12	96.06	**61.06**	
EW-3A	98.82	7:26	157.88	99.07	**58.81**	

ATTACHMENT A
CLAREMONT POLYCHEMICAL CORPORATION SITE
WATER LEVEL MEASUREMENTS
MAY 9, 2023

Recording Date:			5/9/2023	**Recorded by:**		SH, LB, MF
Well	**1Q 2023 Depth to Water Reading (ft)**	**Time**	**Measuring Point Elevation (ft AMSL)**	**Depth to Water Reading (ft)**	**Water Elevation (ft AMSL)**	**Comments**
EW-3B	98.96	7:28	157.99	99.23	**58.76**	
EW-3C	98.84	7:30	157.87	99.11	**58.76**	
EW-4A	98.89	10:04	160.58	98.95	**61.63**	
EW-4B	98.91	10:03	160.59	98.98	**61.61**	
EW-4C	98.69	10:02	160.33	98.75	**61.58**	
EW-4D	99.05	10:00	160.62	99.21	**61.41**	
EW-5	73.36	11:16	135.05	73.57	**61.48**	
EW-6A	66.32	10:52	128.92	66.45	**62.47**	
EW-6C	66.61	-	129.02	-	**-**	Unable to access
EW-7C	90.30	11:03	152.45	90.46	**61.99**	
EW-7D	90.21	11:04	152.35	90.40	**61.95**	
EW-8D	68.04	10:56	130.21	68.25	**61.96**	
EW-9D	74.05	11:00	136.2	74.23	**61.97**	
EW-10C	97.74	10:06	159.8	97.81	**61.99**	
EW-11D	103.46	9:43	164.17	103.62	**60.55**	
EW-12D	102.18	9:46	163.34	102.33	**61.01**	
EW-13D	102.14	10:10	163.61	102.39	**61.22**	
EW-14D	43.88	9:30	100.58	43.83	**56.75**	
LF-1	48.25	11:27	109.83	47.90	**61.93**	
LF-2	55.61	12:50	117.18	56.52	**60.66**	
M-30BR	89.21	12:40	153.07	89.39	**63.68**	
MW-5B	76.37	8:30	136.99	75.07	**61.92**	
MW-6A	98.59	8:08	158.83	98.42	**60.41**	
MW-6B	98.71	8:09	159.02	98.59	**60.43**	
MW-6C	98.09	8:13	158.65	97.96	**60.69**	
MW-6D	98.72	8:12	159.01	98.64	**60.37**	
MW-6E	99.25	8:11	159.54	99.30	**60.24**	
MW-6F	96.63	8:14	158.71	98.71	**60**	
MW-7BR	89.89	7:04	146.27	90.23	**56.04**	
MW-8A	72.35	8:01	133.52	72.40	**61.12**	
MW-8B	71.72	8:01	132.84	71.79	**61.05**	
MW-8C	73.22	7:59	134.27	73.33	**60.94**	
MW-9B	93.92	7:00	151.78	94.09	**57.69**	
MW-9C	94.57	6:59	151.97	94.65	**57.32**	
MW-10B	99.98	11:40	159.9	100.15	**59.75**	
MW-10C	99.01	7:41	158.89	99.29	**59.6**	
MW-10D	99.94	7:42	159.67	100.04	**59.63**	
MW-11A	25.87	9:18	78.71	25.35	**53.36**	
MW-11B	25.68	11:33	78.43	25.21	**53.22**	
MW-CPC-36	23.53	12:04	75.93	23.05	**52.88**	
MW-CPC-37	27.53	12:11	77.87	27.40	**50.47**	
MW-CPC-38	28.35	12:18	78.91	28.29	**50.62**	
MW-CPC-39	26.70	12:23	75.25	25.54	**49.71**	
MW-CPC-40	58.36	11:50	110	58.43	**51.57**	
MW-CPC-41	21.31	11:57	72.6	21.06	**51.54**	
OBS-1	51.30	8:38	109.03	51.26	**57.77**	
OBV-1B	90.91	9:55	157.26	91.18	**66.08**	
OBV-1C	90.56	9:57	156.69	91.6	**65.09**	
ORW-1[a]	**-**	**-**	147.68	**-**	**-**	Vault door jammed

ATTACHMENT A
CLAREMONT POLYCHEMICAL CORPORATION SITE
WATER LEVEL MEASUREMENTS
MAY 9, 2023

Recording Date:			5/9/2023	**Recorded by:**		SH, LB, MF
Well	**1Q 2023 Depth to Water Reading (ft)**	**Time**	**Measuring Point Elevation (ft AMSL)**	**Depth to Water Reading (ft)**	**Water Elevation (ft AMSL)**	**Comments**
ORW-2[a]	57.99	13:22	97.88	39.50	**58.38**	
ORW-3[a]	57.39	13:24	91.39	33.95	**57.44**	
ORW-4[a]	56.33	13:32	88.88	32.39	**56.49**	
ORW-5A[a]	55.62	11:11	100.38	44.65	**55.73**	
ORW-6[a]	56.05	13:41	83.42	27.42	**56.00**	
ORW-7[a]	54.54	13:39	76.14	21.05	**55.09**	
RB-1	69.63	10:03	135.02	69.78	**65.24**	
SW-1	68.39	11:13	130.24	68.42	**61.82**	
UM-1	52.86	10:50	115.64	52.75	**62.89**	
U-6A	-	**-**	153.94	**-**	**-**	Leak in casing
W-7A	42.18	13:07	104.44	41.82	**62.62**	
W-7B	43.1	13:06	104.55	42.91	**61.64**	
W-7C	43.29	13:08	104.68	43.19	**61.49**	
W-7D	43.69	13:05	104.58	43.60	**60.98**	
WT-01	101.88	10:14	163.28	101.93	**61.35**	

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 B
Summary of Analytical Results
March 2023 (1Q2023) Sampling Event
Claremont Polychemical Superfund Site OU5
Old Bethpage, NY

			71-55-6	79-34-5	76-13-1	79-00-5	75-34-3	75-35-4	87-61-6	120-82-1	96-12-8	106-93-4	95-50-1	107-06-2	78-87-5	541-73-1	106-46-7	123-91-1	591-78-6	67-64-1	71-43-2	74-97-5
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
			5	5	5	1	5	5	5	5	0.04	0.0006	3	0.6	1	3	3		50	50	1	5
Sample Description	Date Collected	Sample Type	1,1,1-TRICHLOROETHANE	1,1,2,2-TETRACHLOROETHANE	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	1,1,2-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHENE	1,2,3-TRICHLOROBENZENE	1,2,4-TRICHLOROBENZENE	1,2-DIBROMO-3-CHLOROPROPANE	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	1,2-DICHLOROBENZENE	1,2-DICHLOROETHANE	1,2-DICHLOROPROPANE	1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	1,4-DIOXANE (P-DIOXANE)	2-HEXANONE	ACETONE	BENZENE	BROMOCHLOROMETHANE
BP-12B	5/16/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**70**	**0.26 J**	< 1 U
BP-12C	5/16/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	**0.15 J**	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**110**	< 1 U	< 1 U
BP-13B	5/16/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	**0.48 J**	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**210**	< 1 U	< 1 U
BP-13C	5/16/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**34 J**	< 1 U	< 1 U
BP-3A	5/16/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**51**	< 1 U	< 1 U
BP-3B	5/16/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	**1.6**	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**100**	< 1 U	< 1 U
BP-3C	5/16/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	**1.7**	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**43 J**	**0.43 J**	< 1 U
BP-5B	5/16/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**150**	< 1 U	< 1 U
BP-5C	5/16/2023	N	**1.1**	< 0.5 U	< 1 U	< 1 U	**4.3**	**1.1**	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**35 J**	< 1 U	< 1 U
DW-1	5/16/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**97**	< 1 U	< 1 U
DW-2	5/16/2023	FD	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**51**	< 1 U	< 1 U
DW-2	5/16/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**50 J**	< 1 U	< 1 U
EW-11D	5/15/2023	N	**10 D**	< 1 U	**0.70 JD**	< 2 U	**3.0 D**	**19 D**	< 10 U	< 2 U	< 10 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 100 U	< 20 U	**18 JD**	< 2 U	< 2 U
EW-12D	5/15/2023	N	< 4 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 20 U	< 4 U	< 20 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 200 U	< 40 U	**22 JD**	< 4 U	< 4 U
EW-14D	5/16/2023	N	**1.2**	< 0.5 U	**0.27 J**	< 1 U	< 1 U	**1.6**	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	**0.35 J**	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**81**	< 1 U	< 1 U
EW-1A	5/16/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**220**	< 1 U	< 1 U
EW-1B	5/16/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**260**	< 1 U	< 1 U
EW-1C	5/16/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**27 J**	< 1 U	< 1 U
EW-2A	5/16/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**62**	< 1 U	< 1 U
EW-2B	5/16/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**30 J**	< 1 U	< 1 U
EW-2C	5/16/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**53**	< 1 U	< 1 U
EW-2D	5/16/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**69**	< 1 U	< 1 U
EW-4A	5/15/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**380**	< 1 U	< 1 U
EW-4B	5/15/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**18 J**	< 1 U	< 1 U
EW-4C	5/15/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**370**	< 1 U	< 1 U
EW-4D	5/15/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**240**	< 1 U	< 1 U
EW-5	5/16/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**68**	< 1 U	< 1 U
EW-7C	5/16/2023	N	< 4 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 20 U	< 4 U	< 20 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 200 U	< 40 U	**90 JD**	< 4 U	< 4 U
EW-7D	5/16/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**41 J**	< 1 U	< 1 U
LF-1	4/26/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**55**	< 1 U	< 1 U
M-30B-R	5/16/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**51**	< 1 U	< 1 U
MW-10D	5/16/2023	N	**2.7 D**	< 1 U	< 2 U	< 2 U	**1.7 JD**	**4.7 D**	< 10 U	< 2 U	< 10 U	< 1 U	< 2 U	**1.1 JD**	< 2 U	< 2 U	< 2 U	< 100 U	< 20 U	**200 D**	< 2 U	< 2 U
MW-11A	5/16/2023	N	**0.43 J**	< 0.5 U	**0.51 J**	< 1 U	**4.8**	**0.42 J**	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**260**	< 1 U	< 1 U
MW-11B	5/16/2023	N	**3.2**	< 0.5 U	**0.98 J**	**0.48 J**	**19**	**1.8**	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	**1.3**	**0.32 J**	< 1 U	< 1 U	< 50 U	< 10 U	**36 J**	**1.5**	< 1 U
MW-5B	4/26/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**90**	< 1 U	< 1 U
MW-6B	4/26/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.36 J**	< 50 U	< 10 U	**210**	< 1 U	< 1 U
MW-6C	4/26/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**54**	< 1 U	< 1 U
MW-6D	5/15/2023	FD	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	**0.36 J**	< 1 U	< 1 U	< 1 U	**0.79 J**	< 50 U	< 10 U	**34 J**	**0.52 J**	< 1 U
MW-6D	5/15/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	**0.36 J**	< 1 U	< 1 U	< 1 U	**0.70 J**	< 50 U	< 10 U	**35 J**	**0.47 J**	< 1 U
MW-6E	4/26/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.97 J**	< 50 U	< 10 U	**80**	< 1 U	< 1 U
MW-6F	4/26/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	**0.47 J**	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**67**	< 1 U	< 1 U
MW-7B-R	5/16/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	**0.17 J**	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**190**	< 1 U	< 1 U
MW-8A	4/26/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**74**	< 1 U	< 1 U
MW-8B	4/26/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**34 J**	< 1 U	< 1 U
MW-8C	5/15/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**53**	< 1 U	< 1 U
MW-9B	4/26/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**84**	< 1 U	< 1 U
MW-9C	4/26/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**55**	< 1 U	< 1 U
MW-CPC-36	5/11/2023	N	**1.2**	< 0.5 U	< 1 U	**0.25 J**	**0.83 J**	**1.4**	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	**1.9**	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	< 50 U	**22**	< 1 U
MW-CPC-37	5/11/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	**2.4**	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	< 50 U	**0.25 J**	< 1 U
MW-CPC-38	5/10/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**2.7 J**	< 1 U	< 1 U
MW-CPC-39	5/9/2023	FD	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	< 50 U	< 1 U	< 1 U
MW-CPC-39	5/9/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	< 50 U	< 1 U	< 1 U
MW-CPC-40	5/9/2023	N	**1.9**	< 0.5 U	< 1 U	< 1 U	**7.5**	**1.7**	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	< 50 U	< 1 U	< 1 U
MW-CPC-41	5/9/2023	N	**0.27 J**	< 0.5 U	< 1 U	< 1 U	**0.36 J**	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	< 50 U	< 1 U	< 1 U
OBS-1	4/26/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**69**	< 1 U	< 1 U
SW-1	5/16/2023	N	< 2 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U	< 2 U	< 10 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 100 U	< 20 U	**120 D**	< 2 U	< 2 U
WT-01	5/15/2023	N	< 1 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 50 U	< 10 U	**28 J**	< 1 U	< 1 U

Notes:
U - not detected
D - sample was diluted
J - detected but below reporting limit
NC - no criteria
Bold indicates compound detected
Values in yellow cells exceed criteria
Values in shaded cells exceed TOGS 1.1.1 Class GA standard or guidance value.
ug/L - micrograms per liter

Attachment B
Summary of Analytical Results
March 2023 (1Q2023) Sampling Event
Claremont Polychemical Superfund Site OU5
Old Bethpage, NY

			75-27-4	75-25-2	74-83-9	75-15-0	56-23-5	108-90-7	75-00-3	67-66-3	74-87-3	156-59-2	10061-01-5	110-82-7	124-48-1	75-71-8	100-41-4	98-82-8	79-20-9	78-93-3	108-10-1	108-87-2
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
			50	50	5	60	5	5	5	7	5	5	0.4		50	5	5	5		50		
Sample Description	Date Collected	Sample Type	BROMODICHLOROMETHANE	BROMOFORM	BROMOMETHANE	CARBON DISULFIDE	CARBON TETRACHLORIDE	CHLOROBENZENE	CHLOROETHANE	CHLOROFORM	CHLOROMETHANE	Cis-1,2-Dichloroethylene	CIS-1,3-DICHLOROPROPENE	CYCLOHEXANE	DIBROMOCHLOROMETHANE	DICHLORODIFLUOROMETHANE	ETHYLBENZENE	Isopropylbenzene (Cumene)	METHYL ACETATE	METHYL ETHYL KETONE (2-BUTANONE)	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	METHYLCYCLOHEXANE
BP-12B	5/16/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	**0.15 J**	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	**2.1**	**4.3 J**	< 10 U	< 1 U
BP-12C	5/16/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	**0.22 J**	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	**3.3 J**	< 10 U	< 1 U
BP-13B	5/16/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	**6.4 J**	< 10 U	< 1 U
BP-13C	5/16/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	**2.9 J**	< 10 U	< 1 U
BP-3A	5/16/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	**0.55 J**	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	**3.4 J**	< 10 U	< 1 U
BP-3B	5/16/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	**0.17 J**	< 2 U	**5.4**	< 0.5 U	< 5 U	< 0.5 U	**0.36 J**	< 1 U	< 1 U	< 1 U	**3.3 J**	< 10 U	< 1 U
BP-3C	5/16/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	**0.16 J**	< 2 U	< 2 U	< 2 U	**6.9**	< 0.5 U	< 5 U	< 0.5 U	**0.54 J**	< 1 U	< 1 U	< 1 U	< 20 U	< 10 U	< 1 U
BP-5B	5/16/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	**1.9**	**8.5 J**	< 10 U	< 1 U
BP-5C	5/16/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	**0.33 J**	< 2 U	**0.33 J**	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	< 20 U	< 10 U	< 1 U
DW-1	5/16/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	**7.4**	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	**3.8 J**	< 10 U	< 1 U
DW-2	5/16/2023	FD	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	**3.1 J**	< 10 U	< 1 U
DW-2	5/16/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	**3.3 J**	< 10 U	< 1 U
EW-11D	5/15/2023	N	< 1 U	< 2 U	< 4 U	< 10 U	< 10 U	< 2 U	< 4 U	< 4 U	< 4 U	**4.8 D**	< 1 U	< 10 U	< 1 U	< 4 U	< 2 U	< 2 U	< 2 U	< 40 U	< 20 U	< 2 U
EW-12D	5/15/2023	N	< 2 U	< 4 U	< 8 U	< 20 U	< 20 U	< 4 U	< 8 U	< 8 U	< 8 U	**5.2 D**	< 2 U	< 20 U	< 2 U	< 8 U	< 4 U	< 4 U	< 4 U	**21 JD**	< 40 U	< 4 U
EW-14D	5/16/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	**0.32 J**	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	**4.8 J**	< 10 U	< 1 U
EW-1A	5/16/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	**0.37 J**	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	**4.8 J**	< 10 U	< 1 U
EW-1B	5/16/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	**2.8**	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	**6.7 J**	< 10 U	< 1 U
EW-1C	5/16/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	< 20 U	< 10 U	< 1 U
EW-2A	5/16/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	**3.6 J**	< 10 U	< 1 U
EW-2B	5/16/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	< 20 U	< 10 U	< 1 U
EW-2C	5/16/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	**0.30 J**	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	**2.4 J**	< 10 U	< 1 U
EW-2D	5/16/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	**4.4 J**	< 10 U	< 1 U
EW-4A	5/15/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	**48**	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	**6.1 J**	< 10 U	< 1 U
EW-4B	5/15/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	**0.68 J**	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	< 20 U	< 10 U	< 1 U
EW-4C	5/15/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	**0.31 J**	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	**3.7 J**	< 10 U	< 1 U
EW-4D	5/15/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	< 20 U	< 10 U	< 1 U
EW-5	5/16/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	**3.7 J**	< 10 U	< 1 U
EW-7C	5/16/2023	N	< 2 U	< 4 U	< 8 U	< 20 U	< 20 U	< 4 U	< 8 U	< 8 U	< 8 U	**3.0 JD**	< 2 U	< 20 U	< 2 U	< 8 U	< 4 U	< 4 U	**23 D**	< 80 U	< 40 U	**2.0 JD**
EW-7D	5/16/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	**2.2 J**	< 10 U	< 1 U
LF-1	4/26/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	**2.4 J**	< 10 U	< 1 U
M-30B-R	5/16/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	**2.4 J**	< 10 U	< 1 U
MW-10D	5/16/2023	N	< 1 U	< 2 U	< 4 U	< 10 U	< 10 U	< 2 U	< 4 U	< 4 U	< 4 U	**4.1 D**	< 1 U	< 10 U	< 1 U	< 4 U	< 2 U	< 2 U	< 2 U	< 40 U	< 20 U	< 2 U
MW-11A	5/16/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	**0.25 J**	< 2 U	**40**	< 0.5 U	< 5 U	< 0.5 U	**2.1**	< 1 U	< 1 U	< 1 U	**5.3 J**	< 10 U	< 1 U
MW-11B	5/16/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	**1.2 J**	**0.24 J**	< 2 U	**26**	< 0.5 U	< 5 U	< 0.5 U	**2.6**	< 1 U	< 1 U	**3.1**	< 20 U	< 10 U	< 1 U
MW-5B	4/26/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	< 20 U	< 10 U	< 1 U
MW-6B	4/26/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	**0.36 J**	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	**6.9 J**	< 10 U	< 1 U
MW-6C	4/26/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	**0.53 J**	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	**0.31 J**	< 1 U	< 20 U	< 10 U	< 1 U
MW-6D	5/15/2023	FD	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	**0.93 J**	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	**1.2**	< 1 U	**2.4 J**	< 10 U	< 1 U
MW-6D	5/15/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	**0.92 J**	< 2 U	< 2 U	< 2 U	**0.14 J**	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	**1.1**	< 1 U	**2.3 J**	< 10 U	< 1 U
MW-6E	4/26/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	**3.2**	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	< 20 U	< 10 U	< 1 U
MW-6F	4/26/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	**0.63 J**	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	**4.9 J**	< 10 U	< 1 U
MW-7B-R	5/16/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	**0.26 J**	< 2 U	**0.93 J**	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	**3.1 J**	< 10 U	< 1 U
MW-8A	4/26/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	**0.91 J**	< 2 U	**0.74 J**	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	**4.1 J**	< 10 U	< 1 U
MW-8B	4/26/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	< 20 U	< 10 U	< 1 U
MW-8C	5/15/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	**2.6 J**	< 10 U	< 1 U
MW-9B	4/26/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	**3.0 J**	< 10 U	< 1 U
MW-9C	4/26/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	< 20 U	< 10 U	< 1 U
MW-CPC-36	5/11/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	**46**	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	< 20 U	< 10 U	**0.20 J**
MW-CPC-37	5/11/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	**0.22 J**	< 2 U	**8.6**	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	< 20 U	< 10 U	< 1 U
MW-CPC-38	5/10/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	< 20 U	< 10 U	< 1 U
MW-CPC-39	5/9/2023	FD	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	< 20 U	< 10 U	< 1 U
MW-CPC-39	5/9/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	< 20 U	< 10 U	< 1 U
MW-CPC-40	5/9/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	**0.33 J**	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	< 20 U	< 10 U	< 1 U
MW-CPC-41	5/9/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	**0.33 J**	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	< 20 U	< 10 U	< 1 U
OBS-1	4/26/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	< 20 U	< 10 U	< 1 U
SW-1	5/16/2023	N	< 1 U	< 2 U	< 4 U	< 10 U	< 10 U	< 2 U	< 4 U	< 4 U	< 4 U	**15 D**	< 1 U	< 10 U	< 1 U	< 4 U	< 2 U	< 2 U	< 2 U	**4.3 JD**	< 20 U	< 2 U
WT-01	5/15/2023	N	< 0.5 U	< 1 U	< 2 U	< 5 U	< 5 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 0.5 U	< 5 U	< 0.5 U	< 2 U	< 1 U	< 1 U	< 1 U	< 20 U	< 10 U	< 1 U

Notes:
U - not detected
D - sample was diluted

NC - no criteria
Bold indicates compound detected
Values in yellow cells exceed criteria
Values in shaded cells exceed TOGS 1.1.1 Class GA standard or guidance value.
ug/L - micrograms per liter

Attachment B
Summary of Analytical Results
March 2023 (1Q2023) Sampling Event
Claremont Polychemical Superfund Site OU5
Old Bethpage, NY

			75-09-2	100-42-5	75-65-0	1634-04-4	127-18-4	108-88-3	156-60-5	10061-02-6	79-01-6	75-69-4	75-01-4	1330-20-7
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
			5	5		10	5	5	5	0.4	5	5	2	5
Sample Description	Date Collected	Sample Type	METHYLENE CHLORIDE	STYRENE	t-Butyl alcohol	TERT-BUTYL METHYL ETHER	TETRACHLOROETHYLENE(PCE)	TOLUENE	TRANS-1,2-DICHLOROETHENE	TRANS-1,3-DICHLOROPROPENE	TRICHLOROETHYLENE (TCE)	TRICHLOROFLUOROMETHANE	VINYL CHLORIDE	Xylenes (total)
BP-12B	5/16/2023	N	< 5 U	< 1 U	**5.8 J**	< 1 U	**0.21 J**	< 1 U	< 1 U	< 0.5 U	< 1 U	< 2 U	< 2 U	< 1 U
BP-12C	5/16/2023	N	< 5 U	< 1 U	**12 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 2 U	< 2 U	< 1 U
BP-13B	5/16/2023	N	< 5 U	< 1 U	**10 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	**0.70 J**	< 2 U	< 2 U	< 1 U
BP-13C	5/16/2023	N	< 5 U	< 1 U	**4.5 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 2 U	< 2 U	< 1 U
BP-3A	5/16/2023	N	< 5 U	< 1 U	**11 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	**0.19 J**	< 2 U	< 2 U	< 1 U
BP-3B	5/16/2023	N	< 5 U	< 1 U	**4.4 J**	< 1 U	**3.3**	< 1 U	< 1 U	< 0.5 U	**0.83 J**	< 2 U	< 2 U	< 1 U
BP-3C	5/16/2023	N	**0.28 J**	< 1 U	**5.9 J**	< 1 U	**11**	< 1 U	< 1 U	< 0.5 U	**1.5**	< 2 U	**0.60 J**	< 1 U
BP-5B	5/16/2023	N	< 5 U	< 1 U	**6.7 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 2 U	< 2 U	< 1 U
BP-5C	5/16/2023	N	< 5 U	< 1 U	**11 J**	< 1 U	**0.18 J**	< 1 U	< 1 U	< 0.5 U	**0.70 J**	< 2 U	< 2 U	< 1 U
DW-1	5/16/2023	N	< 5 U	< 1 U	**13 J**	< 1 U	**4.8**	< 1 U	< 1 U	< 0.5 U	**0.61 J**	< 2 U	< 2 U	< 1 U
DW-2	5/16/2023	FD	< 5 U	< 1 U	**12 J**	< 1 U	**1.5**	< 1 U	< 1 U	< 0.5 U	< 1 U	< 2 U	< 2 U	< 1 U
DW-2	5/16/2023	N	< 5 U	< 1 U	**11 J**	< 1 U	**1.5**	< 1 U	< 1 U	< 0.5 U	< 1 U	< 2 U	< 2 U	< 1 U
EW-11D	5/15/2023	N	< 10 U	< 2 U	< 40 U	< 2 U	**34 D**	< 2 U	< 2 U	< 1 U	**120 D**	< 4 U	< 4 U	< 2 U
EW-12D	5/15/2023	N	< 20 U	< 4 U	< 80 U	**1.0 JD**	**10 D**	< 4 U	< 4 U	< 2 U	**220 D**	< 8 U	< 8 U	< 4 U
EW-14D	5/16/2023	N	< 5 U	< 1 U	**10 J**	< 1 U	**0.74 J**	< 1 U	< 1 U	< 0.5 U	**22**	< 2 U	< 2 U	< 1 U
EW-1A	5/16/2023	N	< 5 U	< 1 U	**7.4 J**	< 1 U	**1.9**	< 1 U	< 1 U	< 0.5 U	< 1 U	< 2 U	< 2 U	< 1 U
EW-1B	5/16/2023	N	< 5 U	< 1 U	**8.4 J**	< 1 U	**0.66 J**	< 1 U	< 1 U	< 0.5 U	**0.94 J**	< 2 U	< 2 U	< 1 U
EW-1C	5/16/2023	N	< 5 U	< 1 U	**12 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	**0.76 J**	< 2 U	< 2 U	< 1 U
EW-2A	5/16/2023	N	< 5 U	< 1 U	**12 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	**0.42 J**	< 2 U	< 2 U	< 1 U
EW-2B	5/16/2023	N	< 5 U	< 1 U	**4.7 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	**0.23 J**	< 2 U	< 2 U	< 1 U
EW-2C	5/16/2023	N	< 5 U	< 1 U	**11 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	**2.3**	< 2 U	< 2 U	< 1 U
EW-2D	5/16/2023	N	< 5 U	< 1 U	**12 J**	< 1 U	**0.43 J**	< 1 U	< 1 U	< 0.5 U	< 1 U	< 2 U	< 2 U	< 1 U
EW-4A	5/15/2023	N	< 5 U	< 1 U	< 20 U	< 1 U	**23**	< 1 U	< 1 U	< 0.5 U	**3.5**	< 2 U	< 2 U	< 1 U
EW-4B	5/15/2023	N	< 5 U	< 1 U	**5.4 J**	< 1 U	**1.0**	< 1 U	< 1 U	< 0.5 U	**3.4**	< 2 U	< 2 U	< 1 U
EW-4C	5/15/2023	N	< 5 U	< 1 U	**8.3 J**	< 1 U	**1.9**	< 1 U	**1.2**	< 0.5 U	**19**	< 2 U	< 2 U	< 1 U
EW-4D	5/15/2023	N	< 5 U	< 1 U	**7.4 J**	< 1 U	**0.60 J**	< 1 U	< 1 U	< 0.5 U	< 1 U	< 2 U	< 2 U	< 1 U
EW-5	5/16/2023	N	< 5 U	< 1 U	**12 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	**0.96 J**	< 2 U	< 2 U	< 1 U
EW-7C	5/16/2023	N	< 20 U	< 4 U	< 80 U	< 4 U	**12 D**	< 4 U	< 4 U	< 2 U	**200 D**	< 8 U	< 8 U	< 4 U
EW-7D	5/16/2023	N	< 5 U	< 1 U	**12 J**	< 1 U	**0.87 J**	< 1 U	< 1 U	< 0.5 U	**0.28 J**	< 2 U	< 2 U	< 1 U
LF-1	4/26/2023	N	< 5 U	< 1 U	< 20 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	**0.95 J**	< 2 U	< 2 U	< 1 U
M-30B-R	5/16/2023	N	< 5 U	< 1 U	**12 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 2 U	< 2 U	< 1 U
MW-10D	5/16/2023	N	< 10 U	< 2 U	< 40 U	< 2 U	**4.6 D**	< 2 U	< 2 U	< 1 U	**88 D**	< 4 U	< 4 U	< 2 U
MW-11A	5/16/2023	N	**0.23 J**	< 1 U	**12 J**	< 1 U	**2.6**	< 1 U	**0.29 J**	< 0.5 U	**3.4**	**0.93 J**	< 2 U	< 1 U
MW-11B	5/16/2023	N	**2.9 J**	< 1 U	**6.0 J**	< 1 U	**3.0**	< 1 U	**0.38 J**	< 0.5 U	**4.3**	**0.74 J**	**2.1**	< 1 U
MW-5B	4/26/2023	N	< 5 U	< 1 U	**11 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 2 U	< 2 U	< 1 U
MW-6B	4/26/2023	N	< 5 U	< 1 U	< 20 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 2 U	< 2 U	< 1 U
MW-6C	4/26/2023	N	< 5 U	< 1 U	**13 J**	**0.61 J**	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 2 U	< 2 U	< 1 U
MW-6D	5/15/2023	FD	< 5 U	< 1 U	**14 J**	**0.25 J**	< 1 U	< 1 U	< 1 U	< 0.5 U	**0.39 J**	< 2 U	< 2 U	< 1 U
MW-6D	5/15/2023	N	< 5 U	< 1 U	**14 J**	**0.25 J**	< 1 U	< 1 U	< 1 U	< 0.5 U	**0.21 J**	< 2 U	< 2 U	< 1 U
MW-6E	4/26/2023	N	< 5 U	< 1 U	< 20 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 2 U	< 2 U	< 1 U
MW-6F	4/26/2023	N	< 5 U	< 1 U	**11 J**	**0.20 J**	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 2 U	< 2 U	< 1 U
MW-7B-R	5/16/2023	N	< 5 U	< 1 U	< 20 U	< 1 U	**0.96 J**	< 1 U	< 1 U	< 0.5 U	**31**	< 2 U	< 2 U	< 1 U
MW-8A	4/26/2023	N	< 5 U	< 1 U	**11 J**	< 1 U	**2.7**	< 1 U	< 1 U	< 0.5 U	**0.29 J**	< 2 U	< 2 U	< 1 U
MW-8B	4/26/2023	N	< 5 U	< 1 U	< 20 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	**0.26 J**	< 2 U	< 2 U	< 1 U
MW-8C	5/15/2023	N	< 5 U	< 1 U	**13 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	**1.0**	< 2 U	< 2 U	< 1 U
MW-9B	4/26/2023	N	< 5 U	< 1 U	**11 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 2 U	< 2 U	< 1 U
MW-9C	4/26/2023	N	< 5 U	< 1 U	**12 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 2 U	< 2 U	< 1 U
MW-CPC-36	5/11/2023	N	**0.18 J**	< 1 U	< 20 U	**0.24 J**	**25**	< 1 U	**0.27 J**	< 0.5 U	**5.3**	< 2 U	< 2 U	< 1 U
MW-CPC-37	5/11/2023	N	**0.33 J**	< 1 U	< 20 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	**0.28 J**	< 2 U	**1.8 J**	< 1 U
MW-CPC-38	5/10/2023	N	< 5 U	< 1 U	< 20 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 2 U	< 2 U	< 1 U
MW-CPC-39	5/9/2023	FD	< 5 U	< 1 U	< 20 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 2 U	< 2 U	< 1 U
MW-CPC-39	5/9/2023	N	< 5 U	< 1 U	< 20 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 2 U	< 2 U	< 1 U
MW-CPC-40	5/9/2023	N	< 5 U	< 1 U	< 20 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	**2.6**	< 2 U	< 2 U	< 1 U
MW-CPC-41	5/9/2023	N	< 5 U	< 1 U	< 20 U	< 1 U	**4.6**	< 1 U	< 1 U	< 0.5 U	**0.29 J**	< 2 U	< 2 U	< 1 U
OBS-1	4/26/2023	N	< 5 U	< 1 U	< 20 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 2 U	< 2 U	< 1 U
SW-1	5/16/2023	N	< 10 U	< 2 U	< 40 U	< 2 U	**86 D**	< 2 U	< 2 U	< 1 U	**15 D**	< 4 U	< 4 U	< 2 U
WT-01	5/15/2023	N	< 5 U	< 1 U	< 20 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 2 U	< 2 U	< 1 U

Notes:
U - not detected
D - sample was diluted

NC - no criteria
Bold indicates compound detected
Values in yellow cells exceed criteria
Values in shaded cells exceed TOGS 1.1.1 Class GA standard or guidance value.
ug/L - micrograms per liter

ATTACHMENT B1
SUMMARY OF EMERGING CONTAMINANT SAMPLES

Attachment B1
Summary of Analytical Results
February 2023 (1Q2023) Sampling Event
Claremont Polychemical Superfund Site OU5
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-Chloroeicosafluoro-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	2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-propanoic acid	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	3-Perfluoroheptyl 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	5/11/2023	N		< 3.6 U	**13**	**34**	< 8.9 U	< 8.9 U	< 0.89 U	< 3.6 U	< 45 U	< 45 U	< 8.9 U	< 3.6 U	< 3.6 U	< 0.89 U
MW-CPC-37	5/11/2023	N		< 3.9 U	< 3.9 U	< 3.9 U	< 9.7 U	< 9.7 U	< 0.97 U	< 3.9 U	< 49 U	< 49 U	< 9.7 U	< 3.9 U	< 3.9 U	< 0.97 U
MW-CPC-38	5/10/2023	N		< 20 U	< 20 U	< 20 U	< 51 U	< 51 U	< 5.1 U	< 20 U	< 250 U	< 250 U	< 51 U	< 20 U	< 20 U	< 5.1 U
MW-CPC-39	5/9/2023	FD		< 3.8 U	< 3.8 U	< 3.8 U	< 9.5 U	< 9.5 U	< 0.95 U	< 3.8 U	< 47 U	< 47 U	< 9.5 U	< 3.8 U	< 3.8 U	< 0.95 U
MW-CPC-39	5/9/2023	N		< 3.8 U	< 3.8 U	< 3.8 U	< 9.4 U	< 9.4 U	< 0.94 U	< 3.8 U	< 47 U	< 47 U	< 9.4 U	< 3.8 U	< 3.8 U	< 0.94 U
MW-CPC-40	5/9/2023	N		< 3.8 U	< 3.8 U	< 3.8 U	< 9.6 U	< 9.6 U	< 0.96 U	< 3.8 U	< 48 U	< 48 U	< 9.6 U	< 3.8 U	< 3.8 U	< 0.96 U
MW-CPC-41	5/9/2023	N		< 3.7 U	< 3.7 U	< 3.7 U	< 9.3 U	< 9.3 U	< 0.93 U	< 3.7 U	< 46 U	< 46 U	< 9.3 U	< 3.7 U	< 3.7 U	< 0.93 U

Notes:
U - not detected
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
PF-22 - Qualifier ion ratio >150% of associated calibration. Detection is suspect.
B - Analyte is found in the associated laboratory blank as well as in the sample.
B-07 - Data is not affected by elevated level in laboratory blank since sample result is >10x level found in the blank.

Attachment B1
Summary of Analytical Results
February 2023 (1Q2023) Sampling Event
Claremont Polychemical Superfund Site OU5
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-dioxaheptanoic 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)	PERFLUORODODECANOIC ACID (PFDoA)	PERFLUOROHEPTANE SULFONATE (PFHpS)
MW-CPC-36	5/11/2023	N		< 0.89 U	< 0.89 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	**5.2**	**25**	< 0.89 U	**2.7**	< 0.89 U	< 0.89 U	**2.6**
MW-CPC-37	5/11/2023	N		< 0.97 U	< 0.97 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	**3.8**	**19**	< 0.97 U	< 0.97 U	< 0.97 U	< 0.97 U	< 0.97 U
MW-CPC-38	5/10/2023	N		< 5.1 U	< 5.1 U	< 10 U	< 10 U	< 10 U	< 10 U	< 5.1 U	< 20 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U
MW-CPC-39	5/9/2023	FD		< 0.95 U	< 0.95 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.95 U	< 3.8 U	< 0.95 U	< 0.95 U	< 0.95 U	< 0.95 U	< 0.95 U
MW-CPC-39	5/9/2023	N		< 0.94 U	< 0.94 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.94 U	< 3.8 U	< 0.94 U	< 0.94 U	< 0.94 U	< 0.94 U	< 0.94 U
MW-CPC-40	5/9/2023	N		< 0.96 U	< 0.96 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.96 U	< 3.8 U	< 0.96 U	< 0.96 U	< 0.96 U	< 0.96 U	< 0.96 U
MW-CPC-41	5/9/2023	N		< 0.93 U	< 0.93 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	**2.3**	**14**	< 0.93 U	< 0.93 U	< 0.93 U	< 0.93 U	< 0.93 U

Notes:
U - not detected
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
PF-22 - Qualifier ion ratio >150% of associated calibration. Detection is suspect.
B - Analyte is found in the associated laboratory blank as well as in the sample.
B-07 - Data is not affected by elevated level in laboratory blank since sample result is >10x level found in the blank.

Attachment B1
Summary of Analytical Results
February 2023 (1Q2023) Sampling Event
Claremont Polychemical Superfund Site OU5
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
			Criteria:		100					2.7	6.7						100	NC	0.35
			Sample Description:							(a.)	(a.)								(a.)
Sample Description	Date Collected	Sample Type		Perfluoroheptanoic Acid (PFHpA)	PERFLUOROHEXANESULFONIC ACID	PERFLUOROHEXANOIC ACID (PFHxA)	Perfluorononanesulfonic Acid (PFNS)	PERFLUORONONANOIC ACID	Perfluorooctane Sulfonamide (FOSA)	PERFLUOROOCTANE SULFONIC ACID (PFOS)	Perfluorooctanoic acid (PFOA)	Perfluoropentanesulfonic Acid (PFPeS)	PERFLUOROPENTANOIC ACID (PFPeA)	PERFLUOROTETRADECANOIC ACID (PFTeA)	PERFLUOROTRIDECANOIC ACID (PFTriA)	PERFLUOROUNDECANOIC ACID (PFUnA)	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	Total PFAS	1,4-DIOXANE (P-DIOXANE)
MW-CPC-36	5/11/2023	N		**34**	**31**	**44**	< 0.89 U	**280**	< 0.89 U	**140**	**110**	**5.5**	**47**	< 0.89 U	< 0.89 U	**3.4**	< 3.6 U	**777.4**	**7.2**
MW-CPC-37	5/11/2023	N		**6.2**	**6.4**	**11**	< 0.97 U	< 0.97 U	< 0.97 U	**19**	**56**	**3.3**	**6.3**	< 0.97 U	< 0.97 U	< 0.97 U	< 3.9 U	**131**	**23**
MW-CPC-38	5/10/2023	N		< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 5.1 U	< 10 U	< 5.1 U	< 5.1 U	< 5.1 U	< 20 U	< 5.1 U	**0.59**
MW-CPC-39	5/9/2023	FD		< 0.95 U	< 0.95 U	< 0.95 U	< 0.95 U	< 0.95 U	< 0.95 U	< 0.95 U	< 0.95 U	< 0.95 U	< 1.9 U	< 0.95 U	< 0.95 U	< 0.95 U	< 3.8 U	< 0.95 U	< 0.19 U
MW-CPC-39	5/9/2023	N		< 0.94 U	< 0.94 U	< 0.94 U	< 0.94 U	< 0.94 U	< 0.94 U	< 0.94 U	< 0.94 U	< 0.94 U	< 1.9 U	< 0.94 U	< 0.94 U	< 0.94 U	< 3.8 U	< 0.94 U	< 0.19 U
MW-CPC-40	5/9/2023	N		< 0.96 U	< 0.96 U	< 0.96 U	< 0.96 U	< 0.96 U	< 0.96 U	< 0.96 U	< 0.96 U	< 0.96 U	< 1.9 U	< 0.96 U	< 0.96 U	< 0.96 U	< 3.8 U	< 0.96 U	**3.4**
MW-CPC-41	5/9/2023	N		**12**	**7.2**	**21**	< 0.93 U	**84**	< 0.93 U	**22**	**27**	**1.9**	**32**	< 0.93 U	< 0.93 U	< 0.93 U	< 3.7 U	**223.4**	**2.6**

Notes:
U - not detected
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
PF-22 - Qualifier ion ratio >150% of associated calibration. Detection is suspect.
B - Analyte is found in the associated laboratory blank as well as in the sample.
B-07 - Data is not affected by elevated level in laboratory blank since sample result is >10x level found in the blank.

ATTACHMENT C
LABORATORY DATA DELIVERABLES (NOT ATTACHED)

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May 10, 2023

Payson Long
NYDEC_Ramboll US Consulting, Inc. - Syracuse
333 West Washington Street, PO Box 4873
Syracuse, NY 13221

Project Location: Old Bethpage, NY
Client Job Number:
Project Number: 130015
Laboratory Work Order Number: 23D3436

Enclosed are results of analyses for samples as received by the laboratory on April 28, 2023. 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 13221
ATTN: Payson Long

REPORT DATE: 5/10/2023

PURCHASE ORDER NUMBER: 144165

PROJECT NUMBER: 130015

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23D3436

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Old Bethpage, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
LF1-CP-00-042623	23D3436-01	Ground Water		SW-846 8260D	
MW5B-CP-00-042623	23D3436-02	Ground Water		SW-846 8260D	
MW6B-CP-00-042623	23D3436-03	Ground Water		SW-846 8260D	
MW6C-CP-00-042623	23D3436-04	Ground Water		SW-846 8260D	
MW6E-CP-00-042623	23D3436-05	Ground Water		SW-846 8260D	
MW6F-CP-00-042623	23D3436-06	Ground Water		SW-846 8260D	
MW8A-CP-00-042623	23D3436-07	Ground Water		SW-846 8260D	
MW8B-CP-00-042623	23D3436-08	Ground Water		SW-846 8260D	
MW9B-CP-00-042623	23D3436-09	Ground Water		SW-846 8260D	
MW9C-CP-00-042623	23D3436-10	Ground Water		SW-846 8260D	
OBS1-CP-00-042623	23D3436-11	Ground Water		SW-846 8260D	
TB-CP-QC-042623	23D3436-12	Trip Blank Water		SW-846 8260D	

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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:

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:

Bromomethane

B338608-BS1, B338608-BSD1, S087007-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, 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

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

Project Location: Old Bethpage, NY | Sample Description: | Work Order: 23D3436

Date Received: 4/28/2023

Field Sample #: LF1-CP-00-042623 | Sampled: 4/26/2023 10:20

Sample ID: 23D3436-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	55	50	2.0	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
2-Butanone (MEK)	2.4	20	1.7	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 2:56	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF

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

Project Location: Old Bethpage, NY | Sample Description: | Work Order: 23D3436

Date Received: 4/28/2023

Field Sample #: LF1-CP-00-042623 | Sampled: 4/26/2023 10:20

Sample ID: 23D3436-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Trichloroethylene	0.95	1.0	0.17	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/28/23	5/6/23 2:56	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	111	70-130		5/6/23 2:56
Toluene-d8	100	70-130		5/6/23 2:56
4-Bromofluorobenzene	93.5	70-130		5/6/23 2:56

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Project Location: Old Bethpage, NY | Sample Description: | Work Order: 23D3436

Date Received: 4/28/2023

Field Sample #: MW5B-CP-00-042623 | Sampled: 4/26/2023 14:30

Sample ID: 23D3436-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	90	50	2.0	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
tert-Butyl Alcohol (TBA)	11	20	4.3	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF

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

Project Location: Old Bethpage, NY | Sample Description: | Work Order: 23D3436

Date Received: 4/28/2023

Field Sample #: MW5B-CP-00-042623 | Sampled: 4/26/2023 14:30

Sample ID: 23D3436-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:23	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	107	70-130		5/6/23 3:23	
Toluene-d8	102	70-130		5/6/23 3:23	
4-Bromofluorobenzene	92.5	70-130		5/6/23 3:23	

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

Project Location: Old Bethpage, NY | Sample Description: | Work Order: 23D3436

Date Received: 4/28/2023

Field Sample #: MW6B-CP-00-042623 | Sampled: 4/26/2023 14:00

Sample ID: 23D3436-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	210	50	2.0	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
2-Butanone (MEK)	6.9	20	1.7	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 3:49	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Chlorobenzene	0.36	1.0	0.12	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
1,4-Dichlorobenzene	0.36	1.0	0.13	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF

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

Project Location: Old Bethpage, NY | Sample Description: | Work Order: 23D3436

Date Received: 4/28/2023

Field Sample #: MW6B-CP-00-042623 | Sampled: 4/26/2023 14:00

Sample ID: 23D3436-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/28/23	5/6/23 3:49	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	111	70-130		5/6/23 3:49	
Toluene-d8	103	70-130		5/6/23 3:49	
4-Bromofluorobenzene	93.0	70-130		5/6/23 3:49	

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

Project Location: Old Bethpage, NY | Sample Description: | Work Order: 23D3436

Date Received: 4/28/2023

Field Sample #: MW6C-CP-00-042623 | Sampled: 4/26/2023 13:40

Sample ID: 23D3436-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	54	50	2.0	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
tert-Butyl Alcohol (TBA)	13	20	4.3	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Chlorobenzene	0.53	1.0	0.12	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Isopropylbenzene (Cumene)	0.31	1.0	0.15	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Methyl tert-Butyl Ether (MTBE)	0.61	1.0	0.17	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF

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

Project Location: Old Bethpage, NY | Sample Description: | Work Order: 23D3436

Date Received: 4/28/2023

Field Sample #: MW6C-CP-00-042623 | Sampled: 4/26/2023 13:40

Sample ID: 23D3436-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:16	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	106	70-130		5/6/23 4:16
Toluene-d8	104	70-130		5/6/23 4:16
4-Bromofluorobenzene	92.1	70-130		5/6/23 4:16

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Project Location: Old Bethpage, NY | Sample Description: | Work Order: 23D3436

Date Received: 4/28/2023

Field Sample #: MW6E-CP-00-042623 | Sampled: 4/26/2023 13:20

Sample ID: 23D3436-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	80	50	2.0	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Chlorobenzene	3.2	1.0	0.12	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
1,4-Dichlorobenzene	0.97	1.0	0.13	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF

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Project Location: Old Bethpage, NY | Sample Description: | Work Order: 23D3436

Date Received: 4/28/2023

Field Sample #: MW6E-CP-00-042623 | Sampled: 4/26/2023 13:20

Sample ID: 23D3436-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/28/23	5/6/23 4:43	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	111	70-130		5/6/23 4:43	
Toluene-d8	98.6	70-130		5/6/23 4:43	
4-Bromofluorobenzene	90.2	70-130		5/6/23 4:43	

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Project Location: Old Bethpage, NY | Sample Description: | Work Order: 23D3436

Date Received: 4/28/2023

Field Sample #: MW6F-CP-00-042623 | Sampled: 4/26/2023 13:00

Sample ID: 23D3436-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	67	50	2.0	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
2-Butanone (MEK)	4.9	20	1.7	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 5:09	MFF
tert-Butyl Alcohol (TBA)	11	20	4.3	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Chloroform	0.63	2.0	0.14	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
1,1-Dichloroethane	0.47	1.0	0.14	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 5:09	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Methyl tert-Butyl Ether (MTBE)	0.20	1.0	0.17	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF

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Project Location: Old Bethpage, NY | Sample Description: | Work Order: 23D3436

Date Received: 4/28/2023

Field Sample #: MW6F-CP-00-042623 | Sampled: 4/26/2023 13:00

Sample ID: 23D3436-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:09	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	108	70-130		5/6/23 5:09	
Toluene-d8	101	70-130		5/6/23 5:09	
4-Bromofluorobenzene	90.9	70-130		5/6/23 5:09	

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Project Location: Old Bethpage, NY | Sample Description: | Work Order: 23D3436

Date Received: 4/28/2023

Field Sample #: MW8A-CP-00-042623 | Sampled: 4/26/2023 12:30

Sample ID: 23D3436-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	74	50	2.0	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
2-Butanone (MEK)	4.1	20	1.7	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 5:36	MFF
tert-Butyl Alcohol (TBA)	11	20	4.3	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Chloroform	0.91	2.0	0.14	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
cis-1,2-Dichloroethylene	0.74	1.0	0.14	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 5:36	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Tetrachloroethylene	2.7	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF

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Project Location: Old Bethpage, NY | Sample Description: | Work Order: 23D3436

Date Received: 4/28/2023

Field Sample #: MW8A-CP-00-042623 | Sampled: 4/26/2023 12:30

Sample ID: 23D3436-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Trichloroethylene	0.29	1.0	0.17	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/28/23	5/6/23 5:36	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	112	70-130		5/6/23 5:36	
Toluene-d8	101	70-130		5/6/23 5:36	
4-Bromofluorobenzene	91.2	70-130		5/6/23 5:36	

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Project Location: Old Bethpage, NY | Sample Description: | Work Order: 23D3436

Date Received: 4/28/2023

Field Sample #: MW8B-CP-00-042623 | Sampled: 4/26/2023 12:10

Sample ID: 23D3436-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	34	50	2.0	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF

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

Project Location: Old Bethpage, NY | Sample Description: | Work Order: 23D3436

Date Received: 4/28/2023

Field Sample #: MW8B-CP-00-042623 | Sampled: 4/26/2023 12:10

Sample ID: 23D3436-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Trichloroethylene	0.26	1.0	0.17	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:03	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	105	70-130		5/6/23 6:03	
Toluene-d8	102	70-130		5/6/23 6:03	
4-Bromofluorobenzene	91.5	70-130		5/6/23 6:03	

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

Project Location: Old Bethpage, NY | Sample Description: | Work Order: 23D3436

Date Received: 4/28/2023

Field Sample #: MW9B-CP-00-042623 | Sampled: 4/26/2023 11:30

Sample ID: 23D3436-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	84	50	2.0	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
2-Butanone (MEK)	3.0	20	1.7	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 6:29	MFF
tert-Butyl Alcohol (TBA)	11	20	4.3	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF

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

Project Location: Old Bethpage, NY | Sample Description: | Work Order: 23D3436

Date Received: 4/28/2023

Field Sample #: MW9B-CP-00-042623 | Sampled: 4/26/2023 11:30

Sample ID: 23D3436-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:29	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	107	70-130		5/6/23 6:29	
Toluene-d8	101	70-130		5/6/23 6:29	
4-Bromofluorobenzene	91.0	70-130		5/6/23 6:29	

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

Project Location: Old Bethpage, NY | Sample Description: | Work Order: 23D3436

Date Received: 4/28/2023

Field Sample #: MW9C-CP-00-042623 | Sampled: 4/26/2023 11:10

Sample ID: 23D3436-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	55	50	2.0	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
tert-Butyl Alcohol (TBA)	12	20	4.3	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF

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Project Location: Old Bethpage, NY | Sample Description: | Work Order: 23D3436

Date Received: 4/28/2023

Field Sample #: MW9C-CP-00-042623 | Sampled: 4/26/2023 11:10

Sample ID: 23D3436-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/28/23	5/6/23 6:56	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	105	70-130		5/6/23 6:56	
Toluene-d8	105	70-130		5/6/23 6:56	
4-Bromofluorobenzene	87.7	70-130		5/6/23 6:56	

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Project Location: Old Bethpage, NY | Sample Description: | Work Order: 23D3436

Date Received: 4/28/2023

Field Sample #: OBS1-CP-00-042623 | Sampled: 4/26/2023 10:45

Sample ID: 23D3436-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	69	50	2.0	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF

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Project Location: Old Bethpage, NY | Sample Description: | Work Order: 23D3436

Date Received: 4/28/2023

Field Sample #: OBS1-CP-00-042623 | Sampled: 4/26/2023 10:45

Sample ID: 23D3436-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/28/23	5/6/23 7:23	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	110	70-130		5/6/23 7:23
Toluene-d8	98.7	70-130		5/6/23 7:23
4-Bromofluorobenzene	89.5	70-130		5/6/23 7:23

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Project Location: Old Bethpage, NY | Sample Description: | Work Order: 23D3436

Date Received: 4/28/2023

Field Sample #: TB-CP-QC-042623 | Sampled: 4/26/2023 00:00

Sample ID: 23D3436-12

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.3	50	2.0	µg/L	1	J	SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF

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

Project Location: Old Bethpage, NY | Sample Description: | Work Order: 23D3436

Date Received: 4/28/2023

Field Sample #: TB-CP-QC-042623 | Sampled: 4/26/2023 00:00

Sample ID: 23D3436-12

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/28/23	5/5/23 23:49	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	109	70-130		5/5/23 23:49
Toluene-d8	99.0	70-130		5/5/23 23:49
4-Bromofluorobenzene	92.8	70-130		5/5/23 23:49

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23D3436-01 [LF1-CP-00-042623]	B338608	5	5.00	04/28/23
23D3436-02 [MW5B-CP-00-042623]	B338608	5	5.00	04/28/23
23D3436-03 [MW6B-CP-00-042623]	B338608	5	5.00	04/28/23
23D3436-04 [MW6C-CP-00-042623]	B338608	5	5.00	04/28/23
23D3436-05 [MW6E-CP-00-042623]	B338608	5	5.00	04/28/23
23D3436-06 [MW6F-CP-00-042623]	B338608	5	5.00	04/28/23
23D3436-07 [MW8A-CP-00-042623]	B338608	5	5.00	04/28/23
23D3436-08 [MW8B-CP-00-042623]	B338608	5	5.00	04/28/23
23D3436-09 [MW9B-CP-00-042623]	B338608	5	5.00	04/28/23
23D3436-10 [MW9C-CP-00-042623]	B338608	5	5.00	04/28/23
23D3436-11 [OBS1-CP-00-042623]	B338608	5	5.00	04/28/23
23D3436-12 [TB-CP-QC-042623]	B338608	5	5.00	04/28/23

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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 B338608 - SW-846 5030B										
Blank (B338608-BLK1)				Prepared: 04/28/23 Analyzed: 05/05/23						
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							
tert-Butyl Alcohol (TBA)	ND	20	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							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	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							
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							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	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 B338608 - SW-846 5030B											
Blank (B338608-BLK1)				Prepared: 04/28/23 Analyzed: 05/05/23							
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	*26.6*		µg/L	25.0		106	70-130				
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.2	70-130				
Surrogate: 4-Bromofluorobenzene	*23.4*		µg/L	25.0		93.4	70-130				
LCS (B338608-BS1)				Prepared: 04/28/23 Analyzed: 05/05/23							
Acetone	93.8	50	µg/L	100		93.8	70-160				†
Benzene	9.82	1.0	µg/L	10.0		98.2	70-130				
Bromochloromethane	10.1	1.0	µg/L	10.0		101	70-130				
Bromodichloromethane	10.0	0.50	µg/L	10.0		100	70-130				
Bromoform	8.43	1.0	µg/L	10.0		84.3	70-130				
Bromomethane	14.4	2.0	µg/L	10.0		144	40-160			V-20	†
2-Butanone (MEK)	103	20	µg/L	100		103	40-160				†
tert-Butyl Alcohol (TBA)	79.3	20	µg/L	100		79.3	40-160				†
Carbon Disulfide	94.0	5.0	µg/L	100		94.0	70-130				
Carbon Tetrachloride	9.16	5.0	µg/L	10.0		91.6	70-130				
Chlorobenzene	9.85	1.0	µg/L	10.0		98.5	70-130				
Chlorodibromomethane	9.44	0.50	µg/L	10.0		94.4	70-130				
Chloroethane	9.40	2.0	µg/L	10.0		94.0	70-130				
Chloroform	9.62	2.0	µg/L	10.0		96.2	70-130				
Chloromethane	11.4	2.0	µg/L	10.0		114	40-160				†
Cyclohexane	9.82	5.0	µg/L	10.0		98.2	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	8.96	5.0	µg/L	10.0		89.6	70-130				
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0		104	70-130				
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130				
1,3-Dichlorobenzene	9.98	1.0	µg/L	10.0		99.8	70-130				
1,4-Dichlorobenzene	9.81	1.0	µg/L	10.0		98.1	70-130				
Dichlorodifluoromethane (Freon 12)	11.3	2.0	µg/L	10.0		113	40-160				†
1,1-Dichloroethane	9.44	1.0	µg/L	10.0		94.4	70-130				
1,2-Dichloroethane	10.2	1.0	µg/L	10.0		102	70-130				
1,1-Dichloroethylene	8.96	1.0	µg/L	10.0		89.6	70-130				
cis-1,2-Dichloroethylene	9.46	1.0	µg/L	10.0		94.6	70-130				
trans-1,2-Dichloroethylene	8.82	1.0	µg/L	10.0		88.2	70-130				
1,2-Dichloropropane	9.93	1.0	µg/L	10.0		99.3	70-130				
cis-1,3-Dichloropropene	9.51	0.50	µg/L	10.0		95.1	70-130				
trans-1,3-Dichloropropene	9.38	0.50	µg/L	10.0		93.8	70-130				
1,4-Dioxane	89.2	50	µg/L	100		89.2	40-130				†
Ethylbenzene	9.83	1.0	µg/L	10.0		98.3	70-130				
2-Hexanone (MBK)	102	10	µg/L	100		102	70-160				†
Isopropylbenzene (Cumene)	9.26	1.0	µg/L	10.0		92.6	70-130				
Methyl Acetate	8.33	1.0	µg/L	10.0		83.3	70-130				
Methyl tert-Butyl Ether (MTBE)	9.58	1.0	µg/L	10.0		95.8	70-130				
Methyl Cyclohexane	10.4	1.0	µg/L	10.0		104	70-130				
Methylene Chloride	9.52	5.0	µg/L	10.0		95.2	70-130				
4-Methyl-2-pentanone (MIBK)	103	10	µg/L	100		103	70-160				†
Styrene	9.53	1.0	µg/L	10.0		95.3	70-130				
1,1,2,2-Tetrachloroethane	9.29	0.50	µg/L	10.0		92.9	70-130				
Tetrachloroethylene	10.1	1.0	µg/L	10.0		101	70-130				
Toluene	10.3	1.0	µg/L	10.0		103	70-130				
1,2,3-Trichlorobenzene	9.55	5.0	µg/L	10.0		95.5	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 B338608 - SW-846 5030B											
LCS (B338608-BS1)				Prepared: 04/28/23 Analyzed: 05/05/23							
1,2,4-Trichlorobenzene	9.71	1.0	µg/L	10.0		97.1	70-130				
1,1,1-Trichloroethane	9.52	1.0	µg/L	10.0		95.2	70-130				
1,1,2-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130				
Trichloroethylene	9.91	1.0	µg/L	10.0		99.1	70-130				
Trichlorofluoromethane (Freon 11)	9.53	2.0	µg/L	10.0		95.3	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.64	1.0	µg/L	10.0		96.4	70-130				
Vinyl Chloride	11.2	2.0	µg/L	10.0		112	40-160				†
m+p Xylene	19.5	2.0	µg/L	20.0		97.6	70-130				
o-Xylene	9.41	1.0	µg/L	10.0		94.1	70-130				
Xylenes (total)	28.9	1.0	µg/L	30.0		96.4	0-200				
Surrogate: 1,2-Dichloroethane-d4	*26.8*		µg/L	25.0		107	70-130				
Surrogate: Toluene-d8	*26.3*		µg/L	25.0		105	70-130				
Surrogate: 4-Bromofluorobenzene	*24.0*		µg/L	25.0		95.9	70-130				
LCS Dup (B338608-BSD1)				Prepared: 04/28/23 Analyzed: 05/05/23							
Acetone	95.0	50	µg/L	100		95.0	70-160	1.32	25		†
Benzene	10.6	1.0	µg/L	10.0		106	70-130	7.73	25		
Bromochloromethane	10.5	1.0	µg/L	10.0		105	70-130	3.80	25		
Bromodichloromethane	10.1	0.50	µg/L	10.0		101	70-130	0.893	25		
Bromoform	8.45	1.0	µg/L	10.0		84.5	70-130	0.237	25		
Bromomethane	13.6	2.0	µg/L	10.0		136	40-160	5.21	25	V-20	†
2-Butanone (MEK)	101	20	µg/L	100		101	40-160	1.84	25		†
tert-Butyl Alcohol (TBA)	77.5	20	µg/L	100		77.5	40-160	2.30	25		†
Carbon Disulfide	96.0	5.0	µg/L	100		96.0	70-130	2.11	25		
Carbon Tetrachloride	9.43	5.0	µg/L	10.0		94.3	70-130	2.90	25		
Chlorobenzene	9.85	1.0	µg/L	10.0		98.5	70-130	0.00	25		
Chlorodibromomethane	8.91	0.50	µg/L	10.0		89.1	70-130	5.78	25		
Chloroethane	9.00	2.0	µg/L	10.0		90.0	70-130	4.35	25		
Chloroform	9.61	2.0	µg/L	10.0		96.1	70-130	0.104	25		
Chloromethane	11.2	2.0	µg/L	10.0		112	40-160	1.50	25		†
Cyclohexane	10.0	5.0	µg/L	10.0		100	70-130	1.92	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.19	5.0	µg/L	10.0		81.9	70-130	8.98	25		
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102	70-130	2.03	25		
1,2-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	1.39	25		
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	1.59	25		
1,4-Dichlorobenzene	9.77	1.0	µg/L	10.0		97.7	70-130	0.409	25		
Dichlorodifluoromethane (Freon 12)	11.6	2.0	µg/L	10.0		116	40-160	2.79	25		†
1,1-Dichloroethane	9.38	1.0	µg/L	10.0		93.8	70-130	0.638	25		
1,2-Dichloroethane	10.4	1.0	µg/L	10.0		104	70-130	2.14	25		
1,1-Dichloroethylene	9.49	1.0	µg/L	10.0		94.9	70-130	5.75	25		
cis-1,2-Dichloroethylene	9.05	1.0	µg/L	10.0		90.5	70-130	4.43	25		
trans-1,2-Dichloroethylene	8.83	1.0	µg/L	10.0		88.3	70-130	0.113	25		
1,2-Dichloropropane	10.5	1.0	µg/L	10.0		105	70-130	5.58	25		
cis-1,3-Dichloropropene	9.35	0.50	µg/L	10.0		93.5	70-130	1.70	25		
trans-1,3-Dichloropropene	9.24	0.50	µg/L	10.0		92.4	70-130	1.50	25		
1,4-Dioxane	90.6	50	µg/L	100		90.6	40-130	1.59	50		† ‡
Ethylbenzene	9.86	1.0	µg/L	10.0		98.6	70-130	0.305	25		
2-Hexanone (MBK)	97.7	10	µg/L	100		97.7	70-160	3.87	25		†
Isopropylbenzene (Cumene)	9.57	1.0	µg/L	10.0		95.7	70-130	3.29	25		
Methyl Acetate	8.13	1.0	µg/L	10.0		81.3	70-130	2.43	25		
Methyl tert-Butyl Ether (MTBE)	9.40	1.0	µg/L	10.0		94.0	70-130	1.90	25		
Methyl Cyclohexane	10.6	1.0	µg/L	10.0		106	70-130	2.66	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 B338608 - SW-846 5030B										
LCS Dup (B338608-BSD1)				Prepared: 04/28/23 Analyzed: 05/05/23						
Methylene Chloride	9.02	5.0	µg/L	10.0		90.2	70-130	5.39	25	
4-Methyl-2-pentanone (MIBK)	98.6	10	µg/L	100		98.6	70-160	4.03	25	†
Styrene	9.64	1.0	µg/L	10.0		96.4	70-130	1.15	25	
1,1,2,2-Tetrachloroethane	8.91	0.50	µg/L	10.0		89.1	70-130	4.18	25	
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130	1.37	25	
Toluene	9.90	1.0	µg/L	10.0		99.0	70-130	3.67	25	
1,2,3-Trichlorobenzene	8.81	5.0	µg/L	10.0		88.1	70-130	8.06	25	
1,2,4-Trichlorobenzene	9.10	1.0	µg/L	10.0		91.0	70-130	6.49	25	
1,1,1-Trichloroethane	9.79	1.0	µg/L	10.0		97.9	70-130	2.80	25	
1,1,2-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130	5.43	25	
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	3.08	25	
Trichlorofluoromethane (Freon 11)	10.1	2.0	µg/L	10.0		101	70-130	6.01	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.68	1.0	µg/L	10.0		96.8	70-130	0.414	25	
Vinyl Chloride	11.2	2.0	µg/L	10.0		112	40-160	0.0893	25	†
m+p Xylene	19.8	2.0	µg/L	20.0		99.2	70-130	1.68	25	
o-Xylene	9.52	1.0	µg/L	10.0		95.2	70-130	1.16	25	
Xylenes (total)	29.4	1.0	µg/L	30.0		97.9	0-200	1.51		
Surrogate: 1,2-Dichloroethane-d4	*27.2*		µg/L	25.0		109	70-130			
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*23.9*		µg/L	25.0		95.6	70-130			

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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.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
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.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
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
tert-Butyl Alcohol (TBA)	ME,NH,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
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,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
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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023

RAMBOLL

Chain of Custody / Analysis Report

23D3436

Sampler(s):
(Signature)

Laboratory Use Only
Project Number:
Job Number:
Laboratory ID:
Lab Sample ID:

ontact: Michael Grifasi
ddress: 333 West Washington Street
Syracuse, New York 13221-4873
hone: (315) 956-6100
-mail: michael.grifasi@ramboll.com
roject: NYSDEC Claremont Polychemical Site Q2 Sampling
ocation: Old Bethpage, New York

Laboratory:
Pace Analytical Services
39 Spruce St., East
Longmeadow, MA 01028
Attn: RJ McCarthy
Phone: 413-525-2332

Holding Time:

Package Requirement:
Level 2 and Level 3

EDD Format:
EQuIS 4-file

Analysis Required
Preservatives: (see key at bottom)
1
VOCs by 8260C

	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)	VOCs by 8260C
1	LF1-CP-00-042623	LF-1	4/26/23	1020	N	WG	2	G	N	X
2	MW5B-CP-00-042623	MW-5B		1430	N	WG	2	G	N	X
3	MW6B-CP-00-042623	MW-6B		1400	N	WG	2	G	N	X
4	MW6C-CP-00-042623	MW-6C		1340	N	WG	2	G	N	X
5	MW6E-CP-00-042623	MW-6E		1320	N	WG	2	G	N	X
6	MW6F-CP-00-042623	MW-6F		1300	N	WG	2	G	N	X
7	MW8A-CP-00-042623	MW-8A		1230	N	WG	2	G	N	X
8	MW8B-CP-00-042623	MW-8B		1210	N	WG	2	G	N	X
9	MW9B-CP-00-042623	MW-9B		1130	N	WG	2	G	N	X
10	MW9C-CP-00-042623	MW-9C		1110	N	WG	2	G	N	X
11	OBS1-CP-00-042623	OBS-1		1045	N	WG	2	G	N	X
12	TB-CP-QC-042623	-----	4/24/23	----	TB	WQ	1	G	N	X
13										
14										

Special Instructions:

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

Relinquished by: BRIAN J. DUNN	Date: 4/27/23	Courier Name: FEDEX FedEx	Date: 4/27/23	Condition:
Of: Groundwater & Environmental Services	Time: 1550	Tracking #:	Time: 1536	Other comments or notes regarding condition of samples as received:
Relinquished by:	Date: 4.28.23	Courier Name:	Date:	Custody Seals Intact? *(if so, indicate the #, date, and time of the seal)*
Of:	Time: 9:26	Tracking #:	Time:	
Courier Name: FedEx	Date:	Received By:	Date:	Cooler Temperature:
Tracking #:	Time:	Of:	Time:	

Sample Type: N = Normal env. sample, FD = field duplicate, EB = Equipment Blank, TB = Trip Blank, MS = Lab Matrix Spike, Other (Specify): FRB = Field Reagent Blank
Sample Matrix: 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 = HNO_3, 3 = H_2SO_4, 4 = NaOH, 5 = Zn Acetate, 6 = MeOH, 7 = $NaHSO_4$, 8 = Na_3PO_4, 9 = BenzalkoniumCl, 10 = other

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[redacted]

FedEx® Tracking

DELIVERED

Friday

4/28/2023 at 9:26 am

Signed for by: L.AROLA

Obtain Proof of delivery

DELIVERY STATUS

Delivered

TRACKING ID

791351896880

FROM
OLD BETHPAGE, NY US

Label Created
4/19/2023 6:56 AM

PACKAGE RECEIVED BY FEDEX
MELVILLE, NY
4/27/2023 4:04 PM

IN TRANSIT
WINDSOR LOCKS, CT
4/28/2023 8:24 AM

OUT FOR DELIVERY
WINDSOR LOCKS, CT
4/28/2023 8:24 AM

DELIVERED
East Longmeadow, MA US

Delivered
4/28/2023 at 9:26 AM

View travel history

Want updates on this shipment? Enter your email and we will do the rest!

YOUR EMAIL

SUBMIT

MORE OPTIONS

Manage Delivery

Shipment facts

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F:413-525-6405
www.pacelabs.com

Log In Back-Sheet

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

Pace® PEOPLE ADVANCING SCIENC

Client Michael Gritasi

Project NYSDEC Claremont Polychemical Site Q2 Sampling

MCP/RCP Required N/A

Deliverable Package Req. N/A

Location Old Bethpage, New York

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☐ Fed Ex ☑ Walk In ☐ Other ☐ _____

Received By / Date / Time SB 4/28/23 9:26

Back-Sheet By / Date / Time ZTR 4/28/23 13:55

Temperature Method Gun # 3

Temp ☑ < 6° C Actual Temperature 4.3

Rush Samples: Yes / (No) Notify _____

Short Hold: Yes / (No) Notify _____

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE 4/27/23 TIME	☑	☐
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☐	☑
Trip Blanks	☑	☐
Lab to Filters	☐	☑
COC Legible	☑	☐

Notes regarding Samples/COC outside of SOP:

COC Included: (Check all included)

Client ☑ Analysis ☑ Sampler Name ☑

Project ☑ IDs ☑ Collection Date/Time ☑

All Samples Proper pH: (N/A) ☐ ☐

Container (Circle when applicable)	UnP	HCl	HNO3	H2SO4	NaOH	Trizma	NaS2O3	Other Preservative
1L Amber Plastic								
500 mL Amber Plastic								
250 mL Amber Plastic								
Other Amber Clear Plastic								
16oz Amber Clear								
8oz Amber Clear								
4oz Amber Clear								
2oz Amber Clear								
Col/Bacteria								
Flashpoint								
Plastic Bag								
SOC Kit								
Perchlorate								
Encore								
Frozen								

	Proper Headspace	UnP	HCl	MeOH	Bisulfate	DI	Thiosulfate	Sulfuric	Other
Vials	YES		24						

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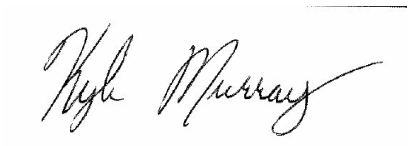
May 30, 2023

Payson Long
NYDEC_Ramboll US Consulting, Inc. - Syracuse
333 West Washington Street, PO Box 4873
Syracuse, NY 13221

Project Location: Old Bethpage, New York
Client Job Number:
Project Number: 130015
Laboratory Work Order Number: 23E1774

Enclosed are results of analyses for samples as received by the laboratory on May 12, 2023. 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 13221
ATTN: Payson Long

REPORT DATE: 5/30/2023

PURCHASE ORDER NUMBER: 144165

PROJECT NUMBER: 130015

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23E1774

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Old Bethpage, New York

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-CPC-39-16-374-20230509-0	23E1774-01	Ground Water		SW-846 8260D	
				SW-846 8270E	
MW-CPC-39-16-374-20230509-1	23E1774-02	Ground Water		SW-846 8260D	
				SW-846 8270E	
MW-CPC-40-16-312-20230509-0	23E1774-03	Ground Water		SW-846 8260D	
				SW-846 8270E	
MW-CPC-41-16-258-20230509-0	23E1774-04	Ground Water		SW-846 8260D	
				SW-846 8270E	
MW-CPC-38-16-391-20230510-0	23E1774-05	Ground Water		SW-846 8260D	
				SW-846 8270E	
MW-CPC-36-16-251-20230511-0	23E1774-06	Ground Water		SW-846 8260D	
				SW-846 8270E	
MW-CPC-37-16-445-20230511-0	23E1774-07	Ground Water		SW-846 8260D	
				SW-846 8270E	
TB-20230511	23E1774-08	Trip Blank Water		SW-846 8260D	

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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:

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

23E1774-01[MW-CPC-39-16-374-20230509-0], 23E1774-02[MW-CPC-39-16-374-20230509-1], 23E1774-03[MW-CPC-40-16-312-20230509-0], 23E1774-04[MW-CPC-41-16-258-20230509-0], 23E1774-05[MW-CPC-38-16-391-20230510-0], 23E1774-06[MW-CPC-36-16-251- 20230511-0], 23E1774-07[MW-CPC-37-16-445-20230511-0], 23E1774-08[TB-20230511], B340458-BLK1, B340458-BS1, B340458-BSD1, S087823-CCV1

Carbon Disulfide

23E1774-01[MW-CPC-39-16-374-20230509-0], 23E1774-02[MW-CPC-39-16-374-20230509-1], 23E1774-03[MW-CPC-40-16-312-20230509-0], 23E1774-04[MW-CPC-41-16-258-20230509-0], 23E1774-05[MW-CPC-38-16-391-20230510-0], 23E1774-06[MW-CPC-36-16-251- 20230511-0], 23E1774-07[MW-CPC-37-16-445-20230511-0], 23E1774-08[TB-20230511], B340458-BLK1, B340458-BS1, B340458-BSD1, S087823-CCV1

Methyl Cyclohexane

23E1774-01[MW-CPC-39-16-374-20230509-0], 23E1774-02[MW-CPC-39-16-374-20230509-1], 23E1774-03[MW-CPC-40-16-312-20230509-0], 23E1774-04[MW-CPC-41-16-258-20230509-0], 23E1774-05[MW-CPC-38-16-391-20230510-0], 23E1774-06[MW-CPC-36-16-251- 20230511-0], 23E1774-07[MW-CPC-37-16-445-20230511-0], 23E1774-08[TB-20230511], B340458-BLK1, B340458-BS1, B340458-BSD1, S087823-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, 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

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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: 23E1774

Date Received: 5/12/2023

Field Sample #: MW-CPC-39-16-374-20230509-0 | Sampled: 5/9/2023 10:50

Sample ID: 23E1774-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Bromomethane	ND	2.0	1.3	µg/L	1	V-05	SW-846 8260D	5/17/23	5/21/23 2:09	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1	V-05	SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1	V-05	SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH

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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: 23E1774

Date Received: 5/12/2023

Field Sample #: MW-CPC-39-16-374-20230509-0 | Sampled: 5/9/2023 10:50

Sample ID: 23E1774-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:09	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	108	70-130		5/21/23 2:09
Toluene-d8	100	70-130		5/21/23 2:09
4-Bromofluorobenzene	94.5	70-130		5/21/23 2:09

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Project Location: Old Bethpage, New York Sample Description: Work Order: 23E1774

Date Received: 5/12/2023

Field Sample #: MW-CPC-39-16-374-20230509-0 Sampled: 5/9/2023 10:50

Sample ID: 23E1774-01

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	0.19	µg/L	1		SW-846 8270E	5/16/23	5/30/23 3:05	SPF

Surrogates	% Recovery	Recovery Limits	Flag/Qual					
1,4-Dioxane-d8	28.4	15-110						5/30/23 3:05

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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: 23E1774

Date Received: 5/12/2023

Field Sample #: MW-CPC-39-16-374-20230509-1 | Sampled: 5/9/2023 00:00

Sample ID: 23E1774-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Bromomethane	ND	2.0	1.3	µg/L	1	V-05	SW-846 8260D	5/17/23	5/21/23 2:36	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1	V-05	SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1	V-05	SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH

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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: 23E1774

Date Received: 5/12/2023

Field Sample #: MW-CPC-39-16-374-20230509-1 | Sampled: 5/9/2023 00:00

Sample ID: 23E1774-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/17/23	5/21/23 2:36	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	108	70-130		5/21/23 2:36
Toluene-d8	99.9	70-130		5/21/23 2:36
4-Bromofluorobenzene	93.9	70-130		5/21/23 2:36

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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: 23E1774

Date Received: 5/12/2023

Field Sample #: MW-CPC-39-16-374-20230509-1 Sampled: 5/9/2023 00:00

Sample ID: 23E1774-02

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	0.19	µg/L	1		SW-846 8270E	5/16/23	5/30/23 3:25	SPF

Surrogates	% Recovery	Recovery Limits	Flag/Qual					
1,4-Dioxane-d8	27.7	15-110						5/30/23 3:25

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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: 23E1774

Date Received: 5/12/2023

Field Sample #: MW-CPC-40-16-312-20230509-0 | Sampled: 5/9/2023 13:30

Sample ID: 23E1774-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Bromomethane	ND	2.0	1.3	µg/L	1	V-05	SW-846 8260D	5/17/23	5/21/23 3:04	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1	V-05	SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Chloroform	0.33	2.0	0.14	µg/L	1	J	SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
1,1-Dichloroethane	7.5	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
1,1-Dichloroethylene	1.7	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1	V-05	SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH

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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: 23E1774

Date Received: 5/12/2023

Field Sample #: MW-CPC-40-16-312-20230509-0 | Sampled: 5/9/2023 13:30

Sample ID: 23E1774-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
1,1,1-Trichloroethane	1.9	1.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Trichloroethylene	2.6	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:04	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	108	70-130		5/21/23 3:04
Toluene-d8	101	70-130		5/21/23 3:04
4-Bromofluorobenzene	99.3	70-130		5/21/23 3:04

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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: 23E1774

Date Received: 5/12/2023

Field Sample #: MW-CPC-40-16-312-20230509-0 | Sampled: 5/9/2023 13:30

Sample ID: 23E1774-03

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	3.4	0.20	µg/L	1		SW-846 8270E	5/16/23	5/30/23 3:45	SPF

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
1,4-Dioxane-d8	27.7	15-110					5/30/23 3:45

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1774

Date Received: 5/12/2023

Field Sample #: MW-CPC-41-16-258-20230509-0 | Sampled: 5/9/2023 15:50

Sample ID: 23E1774-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Bromomethane	ND	2.0	1.3	µg/L	1	V-05	SW-846 8260D	5/17/23	5/21/23 3:32	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1	V-05	SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
1,1-Dichloroethane	0.36	1.0	0.14	µg/L	1	J	SW-846 8260D	5/17/23	5/21/23 3:32	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
cis-1,2-Dichloroethylene	0.33	1.0	0.14	µg/L	1	J	SW-846 8260D	5/17/23	5/21/23 3:32	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1	V-05	SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Tetrachloroethylene	4.6	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1774

Date Received: 5/12/2023

Field Sample #: MW-CPC-41-16-258-20230509-0 | Sampled: 5/9/2023 15:50

Sample ID: 23E1774-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
1,1,1-Trichloroethane	0.27	1.0	0.15	µg/L	1	J	SW-846 8260D	5/17/23	5/21/23 3:32	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Trichloroethylene	0.29	1.0	0.17	µg/L	1	J	SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:32	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	108	70-130		5/21/23 3:32
Toluene-d8	89.9	70-130		5/21/23 3:32
4-Bromofluorobenzene	93.6	70-130		5/21/23 3:32

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Project Location: Old Bethpage, New York Sample Description: Work Order: 23E1774

Date Received: 5/12/2023

Field Sample #: MW-CPC-41-16-258-20230509-0 Sampled: 5/9/2023 15:50

Sample ID: 23E1774-04

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	2.6	0.19	µg/L	1		SW-846 8270E	5/16/23	5/30/23 4:05	SPF

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
1,4-Dioxane-d8	27.9	15-110				5/30/23 4:05	

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1774

Date Received: 5/12/2023

Field Sample #: MW-CPC-38-16-391-20230510-0 | Sampled: 5/10/2023 15:15

Sample ID: 23E1774-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.7	50	2.0	µg/L	1	J	SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Bromomethane	ND	2.0	1.3	µg/L	1	V-05	SW-846 8260D	5/17/23	5/21/23 3:59	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1	V-05	SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1	V-05	SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1774

Date Received: 5/12/2023

Field Sample #: MW-CPC-38-16-391-20230510-0 | Sampled: 5/10/2023 15:15

Sample ID: 23E1774-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/17/23	5/21/23 3:59	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	109	70-130		5/21/23 3:59
Toluene-d8	102	70-130		5/21/23 3:59
4-Bromofluorobenzene	94.1	70-130		5/21/23 3:59

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Project Location: Old Bethpage, New York Sample Description: Work Order: 23E1774

Date Received: 5/12/2023

Field Sample #: MW-CPC-38-16-391-20230510-0 Sampled: 5/10/2023 15:15

Sample ID: 23E1774-05

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	0.59	0.20	µg/L	1		SW-846 8270E	5/16/23	5/30/23 4:26	SPF

Surrogates	% Recovery		Recovery Limits	Flag/Qual			
1,4-Dioxane-d8	**12.8**	*	15-110				5/30/23 4:26

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1774

Date Received: 5/12/2023

Field Sample #: MW-CPC-36-16-251-20230511-0 | Sampled: 5/11/2023 09:00

Sample ID: 23E1774-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Benzene	22	1.0	0.18	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Bromomethane	ND	2.0	1.3	µg/L	1	V-05	SW-846 8260D	5/17/23	5/21/23 4:27	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1	V-05	SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
1,1-Dichloroethane	0.83	1.0	0.14	µg/L	1	J	SW-846 8260D	5/17/23	5/21/23 4:27	EEH
1,2-Dichloroethane	1.9	1.0	0.30	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
1,1-Dichloroethylene	1.4	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
cis-1,2-Dichloroethylene	46	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
trans-1,2-Dichloroethylene	0.27	1.0	0.17	µg/L	1	J	SW-846 8260D	5/17/23	5/21/23 4:27	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Methyl tert-Butyl Ether (MTBE)	0.24	1.0	0.17	µg/L	1	J	SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Methyl Cyclohexane	0.20	1.0	0.16	µg/L	1	V-05, J	SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Methylene Chloride	0.18	5.0	0.18	µg/L	1	J	SW-846 8260D	5/17/23	5/21/23 4:27	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Tetrachloroethylene	25	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1774

Date Received: 5/12/2023

Field Sample #: MW-CPC-36-16-251-20230511-0 | Sampled: 5/11/2023 09:00

Sample ID: 23E1774-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
1,1,1-Trichloroethane	1.2	1.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
1,1,2-Trichloroethane	0.25	1.0	0.19	µg/L	1	J	SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Trichloroethylene	5.3	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:27	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	108	70-130		5/21/23 4:27
Toluene-d8	99.3	70-130		5/21/23 4:27
4-Bromofluorobenzene	93.6	70-130		5/21/23 4:27

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1774

Date Received: 5/12/2023

Field Sample #: MW-CPC-36-16-251-20230511-0 | Sampled: 5/11/2023 09:00

Sample ID: 23E1774-06

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	7.2	0.20	µg/L	1		SW-846 8270E	5/16/23	5/30/23 4:46	SPF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	31.1	15-110		5/30/23 4:46

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1774

Date Received: 5/12/2023

Field Sample #: MW-CPC-37-16-445-20230511-0 | Sampled: 5/11/2023 11:20

Sample ID: 23E1774-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Benzene	0.25	1.0	0.18	µg/L	1	J	SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Bromomethane	ND	2.0	1.3	µg/L	1	V-05	SW-846 8260D	5/17/23	5/21/23 4:55	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1	V-05	SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Chloroform	0.22	2.0	0.14	µg/L	1	J	SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
1,1-Dichloroethane	2.4	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
cis-1,2-Dichloroethylene	8.6	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1	V-05	SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Methylene Chloride	0.33	5.0	0.18	µg/L	1	J	SW-846 8260D	5/17/23	5/21/23 4:55	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1774

Date Received: 5/12/2023

Field Sample #: MW-CPC-37-16-445-20230511-0 | Sampled: 5/11/2023 11:20

Sample ID: 23E1774-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Trichloroethylene	0.28	1.0	0.17	µg/L	1	J	SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Vinyl Chloride	1.8	2.0	0.24	µg/L	1	J	SW-846 8260D	5/17/23	5/21/23 4:55	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/17/23	5/21/23 4:55	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	108	70-130		5/21/23 4:55
Toluene-d8	101	70-130		5/21/23 4:55
4-Bromofluorobenzene	94.0	70-130		5/21/23 4:55

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1774

Date Received: 5/12/2023

Field Sample #: MW-CPC-37-16-445-20230511-0 | Sampled: 5/11/2023 11:20

Sample ID: 23E1774-07

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	23	0.20	µg/L	1		SW-846 8270E	5/16/23	5/30/23 5:06	SPF

Surrogates	% Recovery	Recovery Limits	Flag/Qual					
1,4-Dioxane-d8	28.4	15-110						5/30/23 5:06

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1774

Date Received: 5/12/2023

Field Sample #: TB-20230511 | Sampled: 5/11/2023 00:00

Sample ID: 23E1774-08

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Bromomethane	ND	2.0	1.3	µg/L	1	V-05	SW-846 8260D	5/17/23	5/21/23 1:41	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1	V-05	SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1	V-05	SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1774

Date Received: 5/12/2023

Field Sample #: TB-20230511 | Sampled: 5/11/2023 00:00

Sample ID: 23E1774-08

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/17/23	5/21/23 1:41	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	108	70-130		5/21/23 1:41
Toluene-d8	99.6	70-130		5/21/23 1:41
4-Bromofluorobenzene	93.5	70-130		5/21/23 1:41

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23E1774-01 [MW-CPC-39-16-374-20230509-0]	B340458	5	5.00	05/17/23
23E1774-02 [MW-CPC-39-16-374-20230509-1]	B340458	5	5.00	05/17/23
23E1774-03 [MW-CPC-40-16-312-20230509-0]	B340458	5	5.00	05/17/23
23E1774-04 [MW-CPC-41-16-258-20230509-0]	B340458	5	5.00	05/17/23
23E1774-05 [MW-CPC-38-16-391-20230510-0]	B340458	5	5.00	05/17/23
23E1774-06 [MW-CPC-36-16-251-20230511-0]	B340458	5	5.00	05/17/23
23E1774-07 [MW-CPC-37-16-445-20230511-0]	B340458	5	5.00	05/17/23
23E1774-08 [TB-20230511]	B340458	5	5.00	05/17/23

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23E1774-01 [MW-CPC-39-16-374-20230509-0]	B340339	1040	1.00	05/16/23
23E1774-02 [MW-CPC-39-16-374-20230509-1]	B340339	1030	1.00	05/16/23
23E1774-03 [MW-CPC-40-16-312-20230509-0]	B340339	1000	1.00	05/16/23
23E1774-04 [MW-CPC-41-16-258-20230509-0]	B340339	1030	1.00	05/16/23
23E1774-05 [MW-CPC-38-16-391-20230510-0]	B340339	1000	1.00	05/16/23
23E1774-06 [MW-CPC-36-16-251-20230511-0]	B340339	1020	1.00	05/16/23
23E1774-07 [MW-CPC-37-16-445-20230511-0]	B340339	1020	1.00	05/16/23

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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 B340458 - SW-846 5030B										
Blank (B340458-BLK1)				Prepared: 05/17/23 Analyzed: 05/21/23						
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							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							V-05
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							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	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							V-05
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	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							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	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 B340458 - SW-846 5030B											
Blank (B340458-BLK1)				Prepared: 05/17/23 Analyzed: 05/21/23							
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	*26.8*		µg/L	25.0		107	70-130				
Surrogate: Toluene-d8	*25.1*		µg/L	25.0		100	70-130				
Surrogate: 4-Bromofluorobenzene	*23.6*		µg/L	25.0		94.4	70-130				
LCS (B340458-BS1)				Prepared: 05/17/23 Analyzed: 05/20/23							
Acetone	92.1	50	µg/L	100		92.1	70-160				†
Benzene	10.9	1.0	µg/L	10.0		109	70-130				
Bromochloromethane	11.3	1.0	µg/L	10.0		113	70-130				
Bromodichloromethane	10.7	0.50	µg/L	10.0		107	70-130				
Bromoform	9.22	1.0	µg/L	10.0		92.2	70-130				
Bromomethane	8.84	2.0	µg/L	10.0		88.4	40-160			V-05	†
2-Butanone (MEK)	94.3	20	µg/L	100		94.3	40-160				†
tert-Butyl Alcohol (TBA)	75.3	20	µg/L	100		75.3	40-160				†
Carbon Disulfide	90.3	5.0	µg/L	100		90.3	70-130			V-05	
Carbon Tetrachloride	11.2	5.0	µg/L	10.0		112	70-130				
Chlorobenzene	10.9	1.0	µg/L	10.0		109	70-130				
Chlorodibromomethane	10.4	0.50	µg/L	10.0		104	70-130				
Chloroethane	9.07	2.0	µg/L	10.0		90.7	70-130				
Chloroform	11.7	2.0	µg/L	10.0		117	70-130				
Chloromethane	10.0	2.0	µg/L	10.0		100	40-160				†
Cyclohexane	9.96	5.0	µg/L	10.0		99.6	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	10.2	5.0	µg/L	10.0		102	70-130				
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130				
1,2-Dichlorobenzene	11.0	1.0	µg/L	10.0		110	70-130				
1,3-Dichlorobenzene	10.9	1.0	µg/L	10.0		109	70-130				
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130				
Dichlorodifluoromethane (Freon 12)	8.42	2.0	µg/L	10.0		84.2	40-160				†
1,1-Dichloroethane	11.6	1.0	µg/L	10.0		116	70-130				
1,2-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130				
1,1-Dichloroethylene	9.39	1.0	µg/L	10.0		93.9	70-130				
cis-1,2-Dichloroethylene	11.5	1.0	µg/L	10.0		115	70-130				
trans-1,2-Dichloroethylene	11.8	1.0	µg/L	10.0		118	70-130				
1,2-Dichloropropane	10.3	1.0	µg/L	10.0		103	70-130				
cis-1,3-Dichloropropene	9.63	0.50	µg/L	10.0		96.3	70-130				
trans-1,3-Dichloropropene	9.00	0.50	µg/L	10.0		90.0	70-130				
1,4-Dioxane	103	50	µg/L	100		103	40-130				†
Ethylbenzene	10.6	1.0	µg/L	10.0		106	70-130				
2-Hexanone (MBK)	101	10	µg/L	100		101	70-160				†
Isopropylbenzene (Cumene)	10.6	1.0	µg/L	10.0		106	70-130				
Methyl Acetate	9.65	1.0	µg/L	10.0		96.5	70-130				
Methyl tert-Butyl Ether (MTBE)	10.4	1.0	µg/L	10.0		104	70-130				
Methyl Cyclohexane	8.62	1.0	µg/L	10.0		86.2	70-130			V-05	
Methylene Chloride	9.15	5.0	µg/L	10.0		91.5	70-130				
4-Methyl-2-pentanone (MIBK)	101	10	µg/L	100		101	70-160				†
Styrene	10.4	1.0	µg/L	10.0		104	70-130				
1,1,2,2-Tetrachloroethane	10.3	0.50	µg/L	10.0		103	70-130				
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130				
Toluene	10.8	1.0	µg/L	10.0		108	70-130				
1,2,3-Trichlorobenzene	10.0	5.0	µg/L	10.0		100	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 B340458 - SW-846 5030B											
LCS (B340458-BS1)				Prepared: 05/17/23 Analyzed: 05/20/23							
1,2,4-Trichlorobenzene	9.63	1.0	µg/L	10.0		96.3	70-130				
1,1,1-Trichloroethane	11.4	1.0	µg/L	10.0		114	70-130				
1,1,2-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130				
Trichloroethylene	11.0	1.0	µg/L	10.0		110	70-130				
Trichlorofluoromethane (Freon 11)	8.90	2.0	µg/L	10.0		89.0	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.87	1.0	µg/L	10.0		88.7	70-130				
Vinyl Chloride	10.2	2.0	µg/L	10.0		102	40-160				†
m+p Xylene	21.2	2.0	µg/L	20.0		106	70-130				
o-Xylene	11.0	1.0	µg/L	10.0		110	70-130				
Xylenes (total)	32.2	1.0	µg/L	30.0		107	0-200				
Surrogate: 1,2-Dichloroethane-d4	*26.8*		µg/L	25.0		107	70-130				
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.4	70-130				
Surrogate: 4-Bromofluorobenzene	*25.1*		µg/L	25.0		100	70-130				
LCS Dup (B340458-BSD1)				Prepared: 05/17/23 Analyzed: 05/21/23							
Acetone	92.6	50	µg/L	100		92.6	70-160	0.606	25		†
Benzene	10.5	1.0	µg/L	10.0		105	70-130	4.10	25		
Bromochloromethane	10.8	1.0	µg/L	10.0		108	70-130	4.06	25		
Bromodichloromethane	10.2	0.50	µg/L	10.0		102	70-130	4.77	25		
Bromoform	9.03	1.0	µg/L	10.0		90.3	70-130	2.08	25		
Bromomethane	9.75	2.0	µg/L	10.0		97.5	40-160	9.79	25	V-05	†
2-Butanone (MEK)	95.1	20	µg/L	100		95.1	40-160	0.866	25		†
tert-Butyl Alcohol (TBA)	92.3	20	µg/L	100		92.3	40-160	20.3	25		†
Carbon Disulfide	86.1	5.0	µg/L	100		86.1	70-130	4.75	25	V-05	
Carbon Tetrachloride	10.8	5.0	µg/L	10.0		108	70-130	3.65	25		
Chlorobenzene	10.7	1.0	µg/L	10.0		107	70-130	2.22	25		
Chlorodibromomethane	10.3	0.50	µg/L	10.0		103	70-130	1.06	25		
Chloroethane	9.22	2.0	µg/L	10.0		92.2	70-130	1.64	25		
Chloroform	11.2	2.0	µg/L	10.0		112	70-130	3.75	25		
Chloromethane	10.3	2.0	µg/L	10.0		103	40-160	2.26	25		†
Cyclohexane	9.60	5.0	µg/L	10.0		96.0	70-130	3.68	25		
1,2-Dibromo-3-chloropropane (DBCP)	11.0	5.0	µg/L	10.0		110	70-130	6.99	25		
1,2-Dibromoethane (EDB)	10.5	0.50	µg/L	10.0		105	70-130	2.35	25		
1,2-Dichlorobenzene	11.0	1.0	µg/L	10.0		110	70-130	0.363	25		
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	2.69	25		
1,4-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	3.58	25		
Dichlorodifluoromethane (Freon 12)	8.18	2.0	µg/L	10.0		81.8	40-160	2.89	25		†
1,1-Dichloroethane	11.2	1.0	µg/L	10.0		112	70-130	4.03	25		
1,2-Dichloroethane	10.4	1.0	µg/L	10.0		104	70-130	2.29	25		
1,1-Dichloroethylene	8.96	1.0	µg/L	10.0		89.6	70-130	4.69	25		
cis-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130	5.53	25		
trans-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	14.7	25		
1,2-Dichloropropane	10.3	1.0	µg/L	10.0		103	70-130	0.583	25		
cis-1,3-Dichloropropene	9.16	0.50	µg/L	10.0		91.6	70-130	5.00	25		
trans-1,3-Dichloropropene	8.59	0.50	µg/L	10.0		85.9	70-130	4.66	25		
1,4-Dioxane	96.3	50	µg/L	100		96.3	40-130	7.05	50		† ‡
Ethylbenzene	10.3	1.0	µg/L	10.0		103	70-130	3.25	25		
2-Hexanone (MBK)	103	10	µg/L	100		103	70-160	2.43	25		†
Isopropylbenzene (Cumene)	10.1	1.0	µg/L	10.0		101	70-130	4.66	25		
Methyl Acetate	9.91	1.0	µg/L	10.0		99.1	70-130	2.66	25		
Methyl tert-Butyl Ether (MTBE)	9.42	1.0	µg/L	10.0		94.2	70-130	9.89	25		
Methyl Cyclohexane	8.32	1.0	µg/L	10.0		83.2	70-130	3.54	25	V-05	

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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 B340458 - SW-846 5030B										
LCS Dup (B340458-BSD1)				Prepared: 05/17/23 Analyzed: 05/21/23						
Methylene Chloride	9.62	5.0	µg/L	10.0		96.2	70-130	5.01	25	
4-Methyl-2-pentanone (MIBK)	102	10	µg/L	100		102	70-160	1.57	25	†
Styrene	10.1	1.0	µg/L	10.0		101	70-130	3.02	25	
1,1,2,2-Tetrachloroethane	10.1	0.50	µg/L	10.0		101	70-130	2.26	25	
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130	2.96	25	
Toluene	10.4	1.0	µg/L	10.0		104	70-130	3.57	25	
1,2,3-Trichlorobenzene	10.6	5.0	µg/L	10.0		106	70-130	5.44	25	
1,2,4-Trichlorobenzene	9.59	1.0	µg/L	10.0		95.9	70-130	0.416	25	
1,1,1-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130	4.58	25	
1,1,2-Trichloroethane	11.1	1.0	µg/L	10.0		111	70-130	0.633	25	
Trichloroethylene	10.8	1.0	µg/L	10.0		108	70-130	2.01	25	
Trichlorofluoromethane (Freon 11)	8.65	2.0	µg/L	10.0		86.5	70-130	2.85	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.49	1.0	µg/L	10.0		84.9	70-130	4.38	25	
Vinyl Chloride	8.18	2.0	µg/L	10.0		81.8	40-160	22.2	25	†
m+p Xylene	20.4	2.0	µg/L	20.0		102	70-130	3.85	25	
o-Xylene	10.6	1.0	µg/L	10.0		106	70-130	3.79	25	
Xylenes (total)	31.0	1.0	µg/L	30.0		103	0-200	3.83		
Surrogate: 1,2-Dichloroethane-d4	*26.9*		µg/L	25.0		108	70-130			
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	*24.9*		µg/L	25.0		99.7	70-130			

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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 B340339 - SW-846 3510C										
Blank (B340339-BLK1)				Prepared: 05/16/23 Analyzed: 05/24/23						
1,4-Dioxane	ND	0.20	µg/L							
Surrogate: 1,4-Dioxane-d8	*2.84*		µg/L	10.0		28.4	15-110			
LCS (B340339-BS1)				Prepared: 05/16/23 Analyzed: 05/24/23						
1,4-Dioxane	10.3	0.20	µg/L	10.0		103	40-140			
Surrogate: 1,4-Dioxane-d8	*3.45*		µg/L	10.0		34.5	15-110			
LCS Dup (B340339-BSD1)				Prepared: 05/16/23 Analyzed: 05/24/23						
1,4-Dioxane	11.1	0.20	µg/L	10.0		111	40-140	7.37	30	
Surrogate: 1,4-Dioxane-d8	*2.84*		µg/L	10.0		28.4	15-110			

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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.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
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
tert-Butyl Alcohol (TBA)	ME,NH,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
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,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
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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY
SW-846 8270E in Water	
1,4-Dioxane	NY,NH

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023

Chain of Custody / Analysis Report

RAMBOLL

Page 1 of 1

23E-1714 MM

Sampler(s): Sara Hahne, Liam Blake (Signature)

Laboratory Use Only

Project Number:

Job Number:

Laboratory ID:

Lab Sample ID:

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 Q2 Low-Flow Sampling
Location:	Old Bethpage, New York

Laboratory:
Pace Analytical Services 39 Spruce St., East Longmeadow, MA 01028
Attn: RJ McCarthy
Phone: 413-525-2332

Holding Time:

Package Requirement: Level 2 and Level 3

EDD Format: EQuIS 4-file

| | Sample Identification | | | | | | | | | Analysis Required | | | | | | | | |

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Log In Back-Sheet

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

Pace® PEOPLE ADVANCING SCIEN

Client Rumbell

Project Claremont Polychemical Site Q2

MCP/RCP Required N/A

Deliverable Package Req. N/A

Location Old Bethpage, New York

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☐ Fed Ex ☑ Walk In ☐ Other ☐

Received By / Date / Time ALYSA 5/12/23 0940

Back-Sheet By / Date / Time LA 5/12/23 1213

Temperature Method Gun # 5

Temp ☐ ≤ 6° C Actual Temperature 3.4 14.2 12.0

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☒	☑
MS/MSD	☐	☑
Trip Blanks	☑	☒
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client ☑ Analysis ☑ Sampler Name ☑

Project ☐ IDs ☑ Collection Date/Time ☑

All Samples Proper pH: (N/A) ☐ ☐

Container (Circle when applicable)	UnP	HCl	HNO3	H2SO4	NaOH	Trizma	NaS2O3	Other Preservative
1L (Amber) Plastic	~~N/A~~	N/A						
500 mL Amber Plastic								
250 mL Amber Plastic								
Other Amber Clear Plastic								
16oz Amber Clear								
8oz Amber Clear								
4oz Amber Clear								
2oz Amber Clear								
Col/Bacteria								
Flashpoint								
Plastic Bag								
SOC Kit								
Perchlorate								
Encore								
Frozen								

	Proper Headspace	UnP	HCl	MeOH	Bisulfate	DI	Thiosulfate	Sulfuric	Other
Vials	N/A		N/A						

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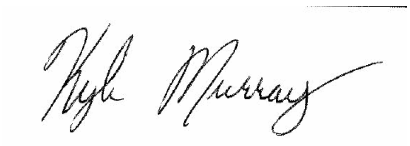
May 24, 2023

Payson Long
NYDEC_Ramboll US Consulting, Inc. - Syracuse
333 West Washington Street, PO Box 4873
Syracuse, NY 13221

Project Location: Old Bethpage, New York
Client Job Number:
Project Number: 130015
Laboratory Work Order Number: 23E1784

Enclosed are results of analyses for samples as received by the laboratory on May 12, 2023. 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 13221
ATTN: Payson Long

REPORT DATE: 5/24/2023

PURCHASE ORDER NUMBER: 144165

PROJECT NUMBER: 130015

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23E1784

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Old Bethpage, New York

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-CPC-39-16-374-20230509-0	23E1784-01	Ground Water		Draft Method 1633	
MW-CPC-39-16-374-20230509-1	23E1784-02	Ground Water		Draft Method 1633	
MW-CPC-39-16-374-20230509-2	23E1784-03	Ground Water		Draft Method 1633	
MW-CPC-40-16-312-20230509-0	23E1784-04	Ground Water		Draft Method 1633	
MW-CPC-41-16-258-20230509-0	23E1784-05	Ground Water		Draft Method 1633	
MW-CPC-38-16-391-20230510-0	23E1784-06	Ground Water		Draft Method 1633	
MW-CPC-36-16-251-20230511-0	23E1784-07	Ground Water		Draft Method 1633	
MW-CPC-37-16-445-20230511-0	23E1784-08	Ground Water		Draft Method 1633	

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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:

H-01

Recommended sample holding time was exceeded, but analysis was performed before 2X the allowable holding time.

Analyte & Samples(s) Qualified:

Total Suspended Solids
23E1784-01[MW-CPC-39-16-374-20230509-0], 23E1784-03[MW-CPC-39-16-374-20230509-2]

H-15

Sampling time not provided on the Chain of Custody.

Analyte & Samples(s) Qualified:

Total Suspended Solids
23E1784-02[MW-CPC-39-16-374-20230509-1]

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, 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.



Daren J. Damboragian
Director of Operations

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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: 23E1784

Date Received: 5/12/2023

Field Sample #: MW-CPC-39-16-374-20230509-0 | Sampled: 5/9/2023 10:50

Sample ID: 23E1784-01

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	3.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
Perfluoropentanoic acid (PFPeA)	ND	1.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.94	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.94	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
Perfluorooctanoic acid (PFOA)	ND	0.94	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
Perfluorononanoic acid (PFNA)	ND	0.94	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
Perfluorodecanoic acid (PFDA)	ND	0.94	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.94	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.94	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.94	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.94	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.94	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
Perfluoropetanesulfonic acid (PFPeS)	ND	0.94	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.94	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.94	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	0.94	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.94	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.94	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.94	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.94	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.94	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.94	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.94	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.94	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	9.4	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.4	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.4	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	47	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	47	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1784

Date Received: 5/12/2023

Field Sample #: MW-CPC-39-16-374-20230509-0 | Sampled: 5/9/2023 10:50

Sample ID: 23E1784-01

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	1.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:23	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	77.9	20-150		5/22/23 21:23
13C5-PFPeA	70.0	20-150		5/22/23 21:23
13C5-PFHxA	74.3	20-150		5/22/23 21:23
13C4-PFHpA	75.8	20-150		5/22/23 21:23
13C8-PFOA	83.8	20-150		5/22/23 21:23
13C9-PFNA	72.7	20-150		5/22/23 21:23
13C6-PFDA	73.4	20-150		5/22/23 21:23
13C7-PFUnA	77.0	20-150		5/22/23 21:23
13C2-PFDoA	76.7	20-150		5/22/23 21:23
13C2-PFTeDA	74.0	20-150		5/22/23 21:23
13C3-PFBS	88.4	20-150		5/22/23 21:23
13C3-PFHxS	74.5	20-150		5/22/23 21:23
13C8-PFOS	70.1	20-150		5/22/23 21:23
13C2-4:2FTS	74.1	20-150		5/22/23 21:23
13C2-6:2FTS	67.7	20-150		5/22/23 21:23
13C2-8:2FTS	70.1	20-150		5/22/23 21:23
13C8-PFOSA	69.7	20-150		5/22/23 21:23
D3-NMeFOSA	49.8	20-150		5/22/23 21:23
D5-NEtFOSA	51.7	20-150		5/22/23 21:23
D3-NMeFOSAA	79.5	20-150		5/22/23 21:23
D5-NEtFOSAA	74.9	20-150		5/22/23 21:23
D7-NMeFOSE	69.6	20-150		5/22/23 21:23
D9-NEtFOSE	68.8	20-150		5/22/23 21:23
13C3-HFPO-DA	70.3	20-150		5/22/23 21:23

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1784

Date Received: 5/12/2023

Field Sample #: MW-CPC-39-16-374-20230509-0 | Sampled: 5/9/2023 10:50

Sample ID: 23E1784-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	10	mg/L	1	H-01	Draft Method 1633	5/16/23	5/16/23 12:57	ll

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1784

Date Received: 5/12/2023

Field Sample #: MW-CPC-39-16-374-20230509-1 | Sampled: 5/9/2023 00:00

Sample ID: 23E1784-02

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	3.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
Perfluoropentanoic acid (PFPeA)	ND	1.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.95	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.95	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
Perfluorooctanoic acid (PFOA)	ND	0.95	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
Perfluorononanoic acid (PFNA)	ND	0.95	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
Perfluorodecanoic acid (PFDA)	ND	0.95	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.95	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.95	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.95	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.95	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.95	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
Perfluoropetanesulfonic acid (PFPeS)	ND	0.95	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.95	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.95	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	0.95	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.95	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.95	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.95	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.95	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.95	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.95	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.95	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.95	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	9.5	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.5	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.5	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	47	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	47	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1784

Date Received: 5/12/2023

Field Sample #: MW-CPC-39-16-374-20230509-1 | Sampled: 5/9/2023 00:00

Sample ID: 23E1784-02

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	1.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:39	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	76.5	20-150		5/22/23 21:39
13C5-PFPeA	69.7	20-150		5/22/23 21:39
13C5-PFHxA	74.0	20-150		5/22/23 21:39
13C4-PFHpA	75.8	20-150		5/22/23 21:39
13C8-PFOA	84.4	20-150		5/22/23 21:39
13C9-PFNA	71.3	20-150		5/22/23 21:39
13C6-PFDA	75.3	20-150		5/22/23 21:39
13C7-PFUnA	76.6	20-150		5/22/23 21:39
13C2-PFDoA	74.5	20-150		5/22/23 21:39
13C2-PFTeDA	72.4	20-150		5/22/23 21:39
13C3-PFBS	88.4	20-150		5/22/23 21:39
13C3-PFHxS	73.8	20-150		5/22/23 21:39
13C8-PFOS	71.3	20-150		5/22/23 21:39
13C2-4:2FTS	71.1	20-150		5/22/23 21:39
13C2-6:2FTS	66.4	20-150		5/22/23 21:39
13C2-8:2FTS	67.6	20-150		5/22/23 21:39
13C8-PFOSA	71.0	20-150		5/22/23 21:39
D3-NMeFOSA	49.9	20-150		5/22/23 21:39
D5-NEtFOSA	52.5	20-150		5/22/23 21:39
D3-NMeFOSAA	78.0	20-150		5/22/23 21:39
D5-NEtFOSAA	72.7	20-150		5/22/23 21:39
D7-NMeFOSE	70.1	20-150		5/22/23 21:39
D9-NEtFOSE	69.0	20-150		5/22/23 21:39
13C3-HFPO-DA	70.9	20-150		5/22/23 21:39

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Project Location: Old Bethpage, New York Sample Description: Work Order: 23E1784

Date Received: 5/12/2023

Field Sample #: MW-CPC-39-16-374-20230509-1 Sampled: 5/9/2023 00:00

Sample ID: 23E1784-02

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	10	mg/L	1	H-15	Draft Method 1633	5/16/23	5/16/23 12:57	ll

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1784

Date Received: 5/12/2023

Field Sample #: MW-CPC-39-16-374-20230509-2 | Sampled: 5/9/2023 11:50

Sample ID: 23E1784-03

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)	ND	4.0	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
Perfluoropentanoic acid (PFPeA)	ND	2.0	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.99	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.99	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
Perfluorooctanoic acid (PFOA)	ND	0.99	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
Perfluorononanoic acid (PFNA)	ND	0.99	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
Perfluorodecanoic acid (PFDA)	ND	0.99	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.99	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.99	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.99	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.99	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.99	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
Perfluoropetanesulfonic acid (PFPeS)	ND	0.99	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.99	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.99	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	0.99	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.99	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.99	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.99	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	4.0	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	4.0	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	4.0	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.99	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.99	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.99	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.99	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.99	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	9.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.0	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	4.0	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
9Cl-PF3ONS (F53B Minor)	ND	4.0	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
11Cl-PF3OUdS (F53B Major)	ND	4.0	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	50	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	50	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.0	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1784

Date Received: 5/12/2023

Field Sample #: MW-CPC-39-16-374-20230509-2 | Sampled: 5/9/2023 11:50

Sample ID: 23E1784-03

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	2.0	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	ng/L	1		Draft Method 1633	5/18/23	5/22/23 21:55	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	85.0	20-150		5/22/23 21:55
13C5-PFPeA	78.0	20-150		5/22/23 21:55
13C5-PFHxA	82.6	20-150		5/22/23 21:55
13C4-PFHpA	84.0	20-150		5/22/23 21:55
13C8-PFOA	93.1	20-150		5/22/23 21:55
13C9-PFNA	77.7	20-150		5/22/23 21:55
13C6-PFDA	83.8	20-150		5/22/23 21:55
13C7-PFUnA	89.1	20-150		5/22/23 21:55
13C2-PFDoA	87.6	20-150		5/22/23 21:55
13C2-PFTeDA	81.5	20-150		5/22/23 21:55
13C3-PFBS	98.9	20-150		5/22/23 21:55
13C3-PFHxS	85.6	20-150		5/22/23 21:55
13C8-PFOS	79.8	20-150		5/22/23 21:55
13C2-4:2FTS	79.6	20-150		5/22/23 21:55
13C2-6:2FTS	78.5	20-150		5/22/23 21:55
13C2-8:2FTS	77.3	20-150		5/22/23 21:55
13C8-PFOSA	78.1	20-150		5/22/23 21:55
D3-NMeFOSA	54.5	20-150		5/22/23 21:55
D5-NEtFOSA	56.1	20-150		5/22/23 21:55
D3-NMeFOSAA	84.7	20-150		5/22/23 21:55
D5-NEtFOSAA	83.9	20-150		5/22/23 21:55
D7-NMeFOSE	77.3	20-150		5/22/23 21:55
D9-NEtFOSE	74.5	20-150		5/22/23 21:55
13C3-HFPO-DA	77.9	20-150		5/22/23 21:55

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1784

Date Received: 5/12/2023

Field Sample #: MW-CPC-39-16-374-20230509-2 | Sampled: 5/9/2023 11:50

Sample ID: 23E1784-03

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	10	mg/L	1	H-01	Draft Method 1633	5/17/23	5/17/23 12:49	LL

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1784

Date Received: 5/12/2023

Field Sample #: MW-CPC-40-16-312-20230509-0 | Sampled: 5/9/2023 13:30

Sample ID: 23E1784-04

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)	ND	3.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
Perfluoropentanoic acid (PFPeA)	ND	1.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.96	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.96	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
Perfluorooctanoic acid (PFOA)	ND	0.96	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
Perfluorononanoic acid (PFNA)	ND	0.96	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
Perfluorodecanoic acid (PFDA)	ND	0.96	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.96	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.96	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.96	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.96	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.96	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
Perfluoropetanesulfonic acid (PFPeS)	ND	0.96	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.96	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.96	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	0.96	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.96	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.96	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.96	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.96	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.96	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.96	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.96	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.96	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	9.6	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.6	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.6	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	48	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	48	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1784

Date Received: 5/12/2023

Field Sample #: MW-CPC-40-16-312-20230509-0 | Sampled: 5/9/2023 13:30

Sample ID: 23E1784-04

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	1.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:10	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	77.3	20-150		5/22/23 22:10
13C5-PFPeA	70.5	20-150		5/22/23 22:10
13C5-PFHxA	76.3	20-150		5/22/23 22:10
13C4-PFHpA	75.1	20-150		5/22/23 22:10
13C8-PFOA	83.7	20-150		5/22/23 22:10
13C9-PFNA	70.3	20-150		5/22/23 22:10
13C6-PFDA	73.1	20-150		5/22/23 22:10
13C7-PFUnA	71.7	20-150		5/22/23 22:10
13C2-PFDoA	75.1	20-150		5/22/23 22:10
13C2-PFTeDA	71.0	20-150		5/22/23 22:10
13C3-PFBS	88.1	20-150		5/22/23 22:10
13C3-PFHxS	75.7	20-150		5/22/23 22:10
13C8-PFOS	70.5	20-150		5/22/23 22:10
13C2-4:2FTS	67.9	20-150		5/22/23 22:10
13C2-6:2FTS	66.2	20-150		5/22/23 22:10
13C2-8:2FTS	68.6	20-150		5/22/23 22:10
13C8-PFOSA	71.1	20-150		5/22/23 22:10
D3-NMeFOSA	48.5	20-150		5/22/23 22:10
D5-NEtFOSA	53.8	20-150		5/22/23 22:10
D3-NMeFOSAA	78.1	20-150		5/22/23 22:10
D5-NEtFOSAA	78.4	20-150		5/22/23 22:10
D7-NMeFOSE	73.6	20-150		5/22/23 22:10
D9-NEtFOSE	70.1	20-150		5/22/23 22:10
13C3-HFPO-DA	71.4	20-150		5/22/23 22:10

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1784

Date Received: 5/12/2023

Field Sample #: MW-CPC-40-16-312-20230509-0 | Sampled: 5/9/2023 13:30

Sample ID: 23E1784-04

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	10	mg/L	1		Draft Method 1633	5/16/23	5/16/23 12:57	ll

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1784

Date Received: 5/12/2023

Field Sample #: MW-CPC-41-16-258-20230509-0 | Sampled: 5/9/2023 15:50

Sample ID: 23E1784-05

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)	14	3.7	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
Perfluoropentanoic acid (PFPeA)	32	1.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
Perfluorohexanoic acid (PFHxA)	21	0.93	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
Perfluoroheptanoic acid (PFHpA)	12	0.93	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
Perfluorooctanoic acid (PFOA)	27	0.93	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
Perfluorononanoic acid (PFNA)	84	0.93	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
Perfluorodecanoic acid (PFDA)	ND	0.93	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.93	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.93	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.93	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.93	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
Perfluorobutanesulfonic acid (PFBS)	2.3	0.93	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
Perfluoropetanesulfonic acid (PFPeS)	1.9	0.93	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
Perfluorohexanesulfonic acid (PFHxS)	7.2	0.93	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.93	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
Perfluorooctanesulfonic acid (PFOS)	22	0.93	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.93	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.93	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.93	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.7	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.7	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.7	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.93	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.93	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.93	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.93	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.93	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	9.3	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.3	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.7	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.7	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.7	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.7	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.3	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	46	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	46	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS

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: 23E1784

Date Received: 5/12/2023

Field Sample #: MW-CPC-41-16-258-20230509-0 | Sampled: 5/9/2023 15:50

Sample ID: 23E1784-05

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	1.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 22:26	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	74.7	20-150		5/22/23 22:26
13C5-PFPeA	67.5	20-150		5/22/23 22:26
13C5-PFHxA	71.1	20-150		5/22/23 22:26
13C4-PFHpA	74.4	20-150		5/22/23 22:26
13C8-PFOA	79.3	20-150		5/22/23 22:26
13C9-PFNA	69.4	20-150		5/22/23 22:26
13C6-PFDA	68.8	20-150		5/22/23 22:26
13C7-PFUnA	68.7	20-150		5/22/23 22:26
13C2-PFDoA	70.7	20-150		5/22/23 22:26
13C2-PFTeDA	66.8	20-150		5/22/23 22:26
13C3-PFBS	85.6	20-150		5/22/23 22:26
13C3-PFHxS	74.0	20-150		5/22/23 22:26
13C8-PFOS	70.4	20-150		5/22/23 22:26
13C2-4:2FTS	60.9	20-150		5/22/23 22:26
13C2-6:2FTS	59.7	20-150		5/22/23 22:26
13C2-8:2FTS	61.2	20-150		5/22/23 22:26
13C8-PFOSA	65.7	20-150		5/22/23 22:26
D3-NMeFOSA	43.1	20-150		5/22/23 22:26
D5-NEtFOSA	47.5	20-150		5/22/23 22:26
D3-NMeFOSAA	68.9	20-150		5/22/23 22:26
D5-NEtFOSAA	66.5	20-150		5/22/23 22:26
D7-NMeFOSE	65.7	20-150		5/22/23 22:26
D9-NEtFOSE	63.0	20-150		5/22/23 22:26
13C3-HFPO-DA	67.9	20-150		5/22/23 22:26

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1784

Date Received: 5/12/2023

Field Sample #: MW-CPC-41-16-258-20230509-0 | Sampled: 5/9/2023 15:50

Sample ID: 23E1784-05

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	10	10	mg/L	1		Draft Method 1633	5/16/23	5/16/23 12:57	ll

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1784

Date Received: 5/12/2023

Field Sample #: MW-CPC-38-16-391-20230510-0 | Sampled: 5/10/2023 15:15

Sample ID: 23E1784-06

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	20	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
Perfluoropentanoic acid (PFPeA)	ND	10	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
Perfluorohexanoic acid (PFHxA)	ND	5.1	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
Perfluoroheptanoic acid (PFHpA)	ND	5.1	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
Perfluorooctanoic acid (PFOA)	ND	5.1	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
Perfluorononanoic acid (PFNA)	ND	5.1	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
Perfluorodecanoic acid (PFDA)	ND	5.1	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
Perfluoroundecanoic acid (PFUnA)	ND	5.1	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
Perfluorododecanoic acid (PFDoA)	ND	5.1	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	5.1	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	5.1	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	5.1	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
Perfluoropetanesulfonic acid (PFPeS)	ND	5.1	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	5.1	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	5.1	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	5.1	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
Perfluorononanesulfonic acid (PFNS)	ND	5.1	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	5.1	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	5.1	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	20	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	20	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	20	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	5.1	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	5.1	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	5.1	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
N-MeFOSAA (NMeFOSAA)	ND	5.1	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
N-EtFOSAA (NEtFOSAA)	ND	5.1	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	51	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	51	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	20	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	20	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
9Cl-PF3ONS (F53B Minor)	ND	20	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
11Cl-PF3OUdS (F53B Major)	ND	20	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	51	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	250	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	250	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	10	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	10	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1784

Date Received: 5/12/2023

Field Sample #: MW-CPC-38-16-391-20230510-0 | Sampled: 5/10/2023 15:15

Sample ID: 23E1784-06

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	10	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	10	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:13	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	50.6	20-150		5/22/23 23:13
13C5-PFPeA	68.2	20-150		5/22/23 23:13
13C5-PFHxA	72.9	20-150		5/22/23 23:13
13C4-PFHpA	74.4	20-150		5/22/23 23:13
13C8-PFOA	79.7	20-150		5/22/23 23:13
13C9-PFNA	68.8	20-150		5/22/23 23:13
13C6-PFDA	76.3	20-150		5/22/23 23:13
13C7-PFUnA	76.2	20-150		5/22/23 23:13
13C2-PFDoA	77.8	20-150		5/22/23 23:13
13C2-PFTeDA	73.2	20-150		5/22/23 23:13
13C3-PFBS	82.7	20-150		5/22/23 23:13
13C3-PFHxS	72.9	20-150		5/22/23 23:13
13C8-PFOS	71.8	20-150		5/22/23 23:13
13C2-4:2FTS	66.3	20-150		5/22/23 23:13
13C2-6:2FTS	66.4	20-150		5/22/23 23:13
13C2-8:2FTS	68.5	20-150		5/22/23 23:13
13C8-PFOSA	71.0	20-150		5/22/23 23:13
D3-NMeFOSA	51.6	20-150		5/22/23 23:13
D5-NEtFOSA	51.5	20-150		5/22/23 23:13
D3-NMeFOSAA	78.1	20-150		5/22/23 23:13
D5-NEtFOSAA	78.4	20-150		5/22/23 23:13
D7-NMeFOSE	66.3	20-150		5/22/23 23:13
D9-NEtFOSE	65.8	20-150		5/22/23 23:13
13C3-HFPO-DA	69.8	20-150		5/22/23 23:13

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1784

Date Received: 5/12/2023

Field Sample #: MW-CPC-38-16-391-20230510-0 | Sampled: 5/10/2023 15:15

Sample ID: 23E1784-06

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	110	10	mg/L	1		Draft Method 1633	5/16/23	5/16/23 12:57	ll

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1784

Date Received: 5/12/2023

Field Sample #: MW-CPC-36-16-251-20230511-0 | Sampled: 5/11/2023 09:00

Sample ID: 23E1784-07

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)	25	3.6	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
Perfluoropentanoic acid (PFPeA)	47	1.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
Perfluorohexanoic acid (PFHxA)	44	0.89	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
Perfluoroheptanoic acid (PFHpA)	34	0.89	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
Perfluorooctanoic acid (PFOA)	110	0.89	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
Perfluorononanoic acid (PFNA)	280	0.89	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
Perfluorodecanoic acid (PFDA)	2.7	0.89	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
Perfluoroundecanoic acid (PFUnA)	3.4	0.89	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.89	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.89	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.89	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
Perfluorobutanesulfonic acid (PFBS)	5.2	0.89	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
Perfluoropetanesulfonic acid (PFPeS)	5.5	0.89	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
Perfluorohexanesulfonic acid (PFHxS)	31	0.89	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
Perfluoroheptanesulfonic acid (PFHpS)	2.6	0.89	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
Perfluorooctanesulfonic acid (PFOS)	140	0.89	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.89	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.89	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.89	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.6	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	34	3.6	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	13	3.6	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.89	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.89	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.89	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.89	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.89	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	8.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	8.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.6	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.6	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.6	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.6	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	8.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	45	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	45	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS

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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: 23E1784

Date Received: 5/12/2023

Field Sample #: MW-CPC-36-16-251-20230511-0 | Sampled: 5/11/2023 09:00

Sample ID: 23E1784-07

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	1.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:29	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	69.3	20-150		5/22/23 23:29
13C5-PFPeA	66.9	20-150		5/22/23 23:29
13C5-PFHxA	71.7	20-150		5/22/23 23:29
13C4-PFHpA	73.2	20-150		5/22/23 23:29
13C8-PFOA	82.2	20-150		5/22/23 23:29
13C9-PFNA	69.0	20-150		5/22/23 23:29
13C6-PFDA	71.4	20-150		5/22/23 23:29
13C7-PFUnA	69.4	20-150		5/22/23 23:29
13C2-PFDoA	71.3	20-150		5/22/23 23:29
13C2-PFTeDA	67.1	20-150		5/22/23 23:29
13C3-PFBS	85.2	20-150		5/22/23 23:29
13C3-PFHxS	70.5	20-150		5/22/23 23:29
13C8-PFOS	68.8	20-150		5/22/23 23:29
13C2-4:2FTS	77.3	20-150		5/22/23 23:29
13C2-6:2FTS	66.3	20-150		5/22/23 23:29
13C2-8:2FTS	66.4	20-150		5/22/23 23:29
13C8-PFOSA	69.7	20-150		5/22/23 23:29
D3-NMeFOSA	50.3	20-150		5/22/23 23:29
D5-NEtFOSA	52.4	20-150		5/22/23 23:29
D3-NMeFOSAA	78.4	20-150		5/22/23 23:29
D5-NEtFOSAA	75.9	20-150		5/22/23 23:29
D7-NMeFOSE	66.3	20-150		5/22/23 23:29
D9-NEtFOSE	65.9	20-150		5/22/23 23:29
13C3-HFPO-DA	67.5	20-150		5/22/23 23:29

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1784

Date Received: 5/12/2023

Field Sample #: MW-CPC-36-16-251-20230511-0 | Sampled: 5/11/2023 09:00

Sample ID: 23E1784-07

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	10	mg/L	1		Draft Method 1633	5/16/23	5/16/23 12:57	ll

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1784

Date Received: 5/12/2023

Field Sample #: MW-CPC-37-16-445-20230511-0 | Sampled: 5/11/2023 11:20

Sample ID: 23E1784-08

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)	19	3.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
Perfluoropentanoic acid (PFPeA)	6.3	1.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
Perfluorohexanoic acid (PFHxA)	11	0.97	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
Perfluoroheptanoic acid (PFHpA)	6.2	0.97	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
Perfluorooctanoic acid (PFOA)	56	0.97	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
Perfluorononanoic acid (PFNA)	ND	0.97	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
Perfluorodecanoic acid (PFDA)	ND	0.97	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.97	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.97	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.97	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.97	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
Perfluorobutanesulfonic acid (PFBS)	3.8	0.97	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
Perfluoropetanesulfonic acid (PFPeS)	3.3	0.97	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
Perfluorohexanesulfonic acid (PFHxS)	6.4	0.97	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.97	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
Perfluorooctanesulfonic acid (PFOS)	19	0.97	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.97	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.97	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.97	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.97	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.97	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.97	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.97	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.97	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	9.7	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.7	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.7	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	49	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	49	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1784

Date Received: 5/12/2023

Field Sample #: MW-CPC-37-16-445-20230511-0 | Sampled: 5/11/2023 11:20

Sample ID: 23E1784-08

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	1.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	ng/L	1		Draft Method 1633	5/18/23	5/22/23 23:45	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	73.5	20-150		5/22/23 23:45
13C5-PFPeA	68.9	20-150		5/22/23 23:45
13C5-PFHxA	75.0	20-150		5/22/23 23:45
13C4-PFHpA	74.6	20-150		5/22/23 23:45
13C8-PFOA	81.7	20-150		5/22/23 23:45
13C9-PFNA	71.0	20-150		5/22/23 23:45
13C6-PFDA	71.7	20-150		5/22/23 23:45
13C7-PFUnA	73.3	20-150		5/22/23 23:45
13C2-PFDoA	71.5	20-150		5/22/23 23:45
13C2-PFTeDA	69.9	20-150		5/22/23 23:45
13C3-PFBS	89.1	20-150		5/22/23 23:45
13C3-PFHxS	74.0	20-150		5/22/23 23:45
13C8-PFOS	72.4	20-150		5/22/23 23:45
13C2-4:2FTS	67.6	20-150		5/22/23 23:45
13C2-6:2FTS	65.1	20-150		5/22/23 23:45
13C2-8:2FTS	67.5	20-150		5/22/23 23:45
13C8-PFOSA	68.0	20-150		5/22/23 23:45
D3-NMeFOSA	49.7	20-150		5/22/23 23:45
D5-NEtFOSA	52.2	20-150		5/22/23 23:45
D3-NMeFOSAA	76.2	20-150		5/22/23 23:45
D5-NEtFOSAA	74.7	20-150		5/22/23 23:45
D7-NMeFOSE	69.6	20-150		5/22/23 23:45
D9-NEtFOSE	68.2	20-150		5/22/23 23:45
13C3-HFPO-DA	71.1	20-150		5/22/23 23:45

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E1784

Date Received: 5/12/2023

Field Sample #: MW-CPC-37-16-445-20230511-0 | Sampled: 5/11/2023 11:20

Sample ID: 23E1784-08

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	10	mg/L	1		Draft Method 1633	5/16/23	5/16/23 12:57	ll

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Sample Extraction Data

Prep Method:Draft Method 1633 **Analytical Method:Draft Method 1633** **Leachates were extracted on 5/16/2023 per NO PREP in Batch B340349**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23E1784-01 [MW-CPC-39-16-374-20230509-0]	B340164	532	5.00	05/18/23
23E1784-02 [MW-CPC-39-16-374-20230509-1]	B340164	527	5.00	05/18/23
23E1784-03 [MW-CPC-39-16-374-20230509-2]	B340164	503	5.00	05/18/23
23E1784-04 [MW-CPC-40-16-312-20230509-0]	B340164	523	5.00	05/18/23
23E1784-05 [MW-CPC-41-16-258-20230509-0]	B340164	539	5.00	05/18/23
23E1784-06 [MW-CPC-38-16-391-20230510-0]	B340164	98.8	5.00	05/18/23
23E1784-07 [MW-CPC-36-16-251-20230511-0]	B340164	562	5.00	05/18/23
23E1784-08 [MW-CPC-37-16-445-20230511-0]	B340164	515	5.00	05/18/23

Draft Method 1633

Lab Number [Field ID]	Batch	Initial [mL]	Date
23E1784-01 [MW-CPC-39-16-374-20230509-0]	B340349	50.0	05/16/23
23E1784-02 [MW-CPC-39-16-374-20230509-1]	B340349	50.0	05/16/23
23E1784-04 [MW-CPC-40-16-312-20230509-0]	B340349	50.0	05/16/23
23E1784-05 [MW-CPC-41-16-258-20230509-0]	B340349	50.0	05/16/23
23E1784-06 [MW-CPC-38-16-391-20230510-0]	B340349	50.0	05/16/23
23E1784-07 [MW-CPC-36-16-251-20230511-0]	B340349	50.0	05/16/23
23E1784-08 [MW-CPC-37-16-445-20230511-0]	B340349	50.0	05/16/23

Draft Method 1633

Lab Number [Field ID]	Batch	Initial [mL]	Date
23E1784-03 [MW-CPC-39-16-374-20230509-2]	B340461	50.0	05/17/23

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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 B340164 - Draft Method 1633										
Blank (B340164-BLK1)				Prepared: 05/18/23 Analyzed: 05/22/23						
Perfluorobutanoic acid (PFBA)	ND	4.0	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	0.99	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	0.99	ng/L							
Perfluorooctanoic acid (PFOA)	ND	0.99	ng/L							
Perfluorononanoic acid (PFNA)	ND	0.99	ng/L							
Perfluorodecanoic acid (PFDA)	ND	0.99	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	0.99	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	0.99	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	0.99	ng/L							
Perfluorotetradecanoic acid (PFTeDA)	ND	0.99	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	0.99	ng/L							
Perfluoropetanesulfonic acid (PFPeS)	ND	0.99	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	0.99	ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.99	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	0.99	ng/L							
Perfluorononanesulfonic acid (PFNS)	ND	0.99	ng/L							
Perfluorodecanesulfonic acid (PFDS)	ND	0.99	ng/L							
Perfluorododecanesulfonic acid (PFDoS)	ND	0.99	ng/L							
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	4.0	ng/L							
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	4.0	ng/L							
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	4.0	ng/L							
Perfluorooctanesulfonamide (PFOSA)	ND	0.99	ng/L							
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.99	ng/L							
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.99	ng/L							
N-MeFOSAA (NMeFOSAA)	ND	0.99	ng/L							
N-EtFOSAA (NEtFOSAA)	ND	0.99	ng/L							
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	9.9	ng/L							
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.9	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.0	ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	4.0	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	4.0	ng/L							
11Cl-PF3OUdS (F53B Major)	ND	4.0	ng/L							
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.9	ng/L							
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	49	ng/L							
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	49	ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	ng/L							
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.0	ng/L							
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	2.0	ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	ng/L							
Surrogate: 13C4-PFBA	*69.9*		ng/L	98.9		70.6	20-150			

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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
Batch B340164 - Draft Method 1633										
Blank (B340164-BLK1)				Prepared: 05/18/23 Analyzed: 05/22/23						
Surrogate: 13C5-PFPeA	*33.0*		ng/L	49.5		66.7	20-150			
Surrogate: 13C5-PFHxA	*17.5*		ng/L	24.7		70.9	20-150			
Surrogate: 13C4-PFHpA	*18.1*		ng/L	24.7		73.0	20-150			
Surrogate: 13C8-PFOA	*19.6*		ng/L	24.7		79.3	20-150			
Surrogate: 13C9-PFNA	*8.66*		ng/L	12.4		70.0	20-150			
Surrogate: 13C6-PFDA	*8.93*		ng/L	12.4		72.2	20-150			
Surrogate: 13C7-PFUnA	*8.98*		ng/L	12.4		72.6	20-150			
Surrogate: 13C2-PFDoA	*8.91*		ng/L	12.4		72.1	20-150			
Surrogate: 13C2-PFTeDA	*8.36*		ng/L	12.4		67.6	20-150			
Surrogate: 13C3-PFBS	*21.1*		ng/L	24.7		85.2	20-150			
Surrogate: 13C3-PFHxS	*17.5*		ng/L	24.7		70.8	20-150			
Surrogate: 13C8-PFOS	*17.4*		ng/L	24.7		70.2	20-150			
Surrogate: 13C2-4:2FTS	*32.5*		ng/L	49.5		65.6	20-150			
Surrogate: 13C2-6:2FTS	*33.0*		ng/L	49.5		66.7	20-150			
Surrogate: 13C2-8:2FTS	*32.4*		ng/L	49.5		65.5	20-150			
Surrogate: 13C8-PFOSA	*16.5*		ng/L	24.7		66.6	20-150			
Surrogate: D3-NMeFOSA	*12.2*		ng/L	24.7		49.2	20-150			
Surrogate: D5-NEtFOSA	*12.9*		ng/L	24.7		52.1	20-150			
Surrogate: D3-NMeFOSAA	*36.9*		ng/L	49.5		74.6	20-150			
Surrogate: D5-NEtFOSAA	*37.1*		ng/L	49.5		75.0	20-150			
Surrogate: D7-NMeFOSE	*165*		ng/L	247		66.7	20-150			
Surrogate: D9-NEtFOSE	*163*		ng/L	247		65.7	20-150			
Surrogate: 13C3-HFPO-DA	*66.2*		ng/L	98.9		66.9	20-150			
LCS (B340164-BS1)				Prepared: 05/18/23 Analyzed: 05/22/23						
Perfluorobutanoic acid (PFBA)	8.75	3.9	ng/L	7.90		111	40-150			
Perfluoropentanoic acid (PFPeA)	4.26	2.0	ng/L	3.95		108	40-150			
Perfluorohexanoic acid (PFHxA)	2.10	0.99	ng/L	1.97		106	40-150			
Perfluoroheptanoic acid (PFHpA)	1.89	0.99	ng/L	1.97		95.7	40-150			
Perfluorooctanoic acid (PFOA)	2.02	0.99	ng/L	1.97		102	40-150			
Perfluorononanoic acid (PFNA)	1.97	0.99	ng/L	1.97		99.5	40-150			
Perfluorodecanoic acid (PFDA)	2.03	0.99	ng/L	1.97		103	40-150			
Perfluoroundecanoic acid (PFUnA)	1.90	0.99	ng/L	1.97		96.0	40-150			
Perfluorododecanoic acid (PFDoA)	2.00	0.99	ng/L	1.97		101	40-150			
Perfluorotridecanoic acid (PFTrDA)	1.90	0.99	ng/L	1.97		96.1	40-150			
Perfluorotetradecanoic acid (PFTeDA)	1.99	0.99	ng/L	1.97		101	40-150			
Perfluorobutanesulfonic acid (PFBS)	1.64	0.99	ng/L	1.75		93.8	40-150			
Perfluoropetanesulfonic acid (PFPeS)	1.80	0.99	ng/L	1.86		97.0	40-150			
Perfluorohexanesulfonic acid (PFHxS)	1.80	0.99	ng/L	1.81		99.4	40-150			
Perfluoroheptanesulfonic acid (PFHpS)	1.93	0.99	ng/L	1.88		102	40-150			
Perfluorooctanesulfonic acid (PFOS)	1.90	0.99	ng/L	1.83		104	40-150			
Perfluorononanesulfonic acid (PFNS)	1.93	0.99	ng/L	1.90		101	40-150			
Perfluorodecanesulfonic acid (PFDS)	1.91	0.99	ng/L	1.91		100	40-150			
Perfluorododecanesulfonic acid (PFDoS)	1.94	0.99	ng/L	1.92		101	40-150			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	7.33	3.9	ng/L	7.41		99.0	40-150			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	7.16	3.9	ng/L	7.50		95.4	40-150			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	7.57	3.9	ng/L	7.60		99.6	40-150			
Perfluorooctanesulfonamide (PFOSA)	1.90	0.99	ng/L	1.97		96.1	40-150			
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	1.81	0.99	ng/L	1.97		91.5	40-150			

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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
Batch B340164 - Draft Method 1633										
LCS (B340164-BS1)				Prepared: 05/18/23 Analyzed: 05/22/23						
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	2.03	0.99	ng/L	1.97		103	40-150			
N-MeFOSAA (NMeFOSAA)	2.02	0.99	ng/L	1.97		102	40-150			
N-EtFOSAA (NEtFOSAA)	1.58	0.99	ng/L	1.97		79.8	40-150			
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	19.5	9.9	ng/L	19.7		98.5	40-150			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	20.2	9.9	ng/L	19.7		102	40-150			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	7.72	3.9	ng/L	7.90		97.7	40-150			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.27	3.9	ng/L	7.46		97.5	40-150			
9Cl-PF3ONS (F53B Minor)	6.30	3.9	ng/L	7.41		85.1	40-150			
11Cl-PF3OUdS (F53B Major)	6.77	3.9	ng/L	7.46		90.8	40-150			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	17.3	9.9	ng/L	19.7		87.6	40-150			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	85.3	49	ng/L	98.7		86.4	40-150			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	84.0	49	ng/L	98.7		85.1	40-150			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	3.06	2.0	ng/L	3.52		87.1	40-150			
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.84	2.0	ng/L	3.95		97.2	40-150			
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.91	2.0	ng/L	3.95		99.0	40-150			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.11	2.0	ng/L	3.95		78.8	40-150			
Surrogate: 13C4-PFBA	*67.2*		ng/L	98.7		68.0	20-150			
Surrogate: 13C5-PFPeA	*30.5*		ng/L	49.4		61.9	20-150			
Surrogate: 13C5-PFHxA	*16.1*		ng/L	24.7		65.1	20-150			
Surrogate: 13C4-PFHpA	*16.6*		ng/L	24.7		67.2	20-150			
Surrogate: 13C8-PFOA	*17.7*		ng/L	24.7		71.5	20-150			
Surrogate: 13C9-PFNA	*7.90*		ng/L	12.3		64.0	20-150			
Surrogate: 13C6-PFDA	*7.81*		ng/L	12.3		63.3	20-150			
Surrogate: 13C7-PFUnA	*7.49*		ng/L	12.3		60.7	20-150			
Surrogate: 13C2-PFDoA	*7.87*		ng/L	12.3		63.8	20-150			
Surrogate: 13C2-PFTeDA	*7.56*		ng/L	12.3		61.2	20-150			
Surrogate: 13C3-PFBS	*18.7*		ng/L	24.7		75.8	20-150			
Surrogate: 13C3-PFHxS	*16.2*		ng/L	24.7		65.4	20-150			
Surrogate: 13C8-PFOS	*15.1*		ng/L	24.7		61.1	20-150			
Surrogate: 13C2-4:2FTS	*29.8*		ng/L	49.4		60.4	20-150			
Surrogate: 13C2-6:2FTS	*29.8*		ng/L	49.4		60.3	20-150			
Surrogate: 13C2-8:2FTS	*29.2*		ng/L	49.4		59.2	20-150			
Surrogate: 13C8-PFOSA	*14.9*		ng/L	24.7		60.3	20-150			
Surrogate: D3-NMeFOSA	*10.7*		ng/L	24.7		43.5	20-150			
Surrogate: D5-NEtFOSA	*11.4*		ng/L	24.7		46.2	20-150			
Surrogate: D3-NMeFOSAA	*33.1*		ng/L	49.4		67.0	20-150			
Surrogate: D5-NEtFOSAA	*32.3*		ng/L	49.4		65.4	20-150			
Surrogate: D7-NMeFOSE	*150*		ng/L	247		60.7	20-150			
Surrogate: D9-NEtFOSE	*143*		ng/L	247		58.1	20-150			
Surrogate: 13C3-HFPO-DA	*61.3*		ng/L	98.7		62.1	20-150			
LCS (B340164-BS2)				Prepared: 05/18/23 Analyzed: 05/22/23						
Perfluorobutanoic acid (PFBA)	105	4.0	ng/L	95.0		110	40-150			
Perfluoropentanoic acid (PFPeA)	54.1	2.0	ng/L	47.5		114	40-150			

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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
Batch B340164 - Draft Method 1633										
LCS (B340164-BS2)				Prepared: 05/18/23 Analyzed: 05/22/23						
Perfluorohexanoic acid (PFHxA)	26.1	0.99	ng/L	23.7		110	40-150			
Perfluoroheptanoic acid (PFHpA)	25.7	0.99	ng/L	23.7		108	40-150			
Perfluorooctanoic acid (PFOA)	26.0	0.99	ng/L	23.7		110	40-150			
Perfluorononanoic acid (PFNA)	27.2	0.99	ng/L	23.7		114	40-150			
Perfluorodecanoic acid (PFDA)	26.0	0.99	ng/L	23.7		109	40-150			
Perfluoroundecanoic acid (PFUnA)	27.6	0.99	ng/L	23.7		116	40-150			
Perfluorododecanoic acid (PFDoA)	27.3	0.99	ng/L	23.7		115	40-150			
Perfluorotridecanoic acid (PFTrDA)	26.4	0.99	ng/L	23.7		111	40-150			
Perfluorotetradecanoic acid (PFTeDA)	26.5	0.99	ng/L	23.7		112	40-150			
Perfluorobutanesulfonic acid (PFBS)	21.6	0.99	ng/L	21.1		102	40-150			
Perfluoropetanesulfonic acid (PFPeS)	26.2	0.99	ng/L	22.3		117	40-150			
Perfluorohexanesulfonic acid (PFHxS)	23.5	0.99	ng/L	21.7		108	40-150			
Perfluoroheptanesulfonic acid (PFHpS)	27.2	0.99	ng/L	22.6		120	40-150			
Perfluorooctanesulfonic acid (PFOS)	23.9	0.99	ng/L	22.0		109	40-150			
Perfluorononanesulfonic acid (PFNS)	26.3	0.99	ng/L	22.9		115	40-150			
Perfluorodecanesulfonic acid (PFDS)	26.9	0.99	ng/L	22.9		118	40-150			
Perfluorododecanesulfonic acid (PFDoS)	25.7	0.99	ng/L	23.0		112	40-150			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	103	4.0	ng/L	89.0		115	40-150			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	103	4.0	ng/L	90.2		114	40-150			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	106	4.0	ng/L	91.4		116	40-150			
Perfluorooctanesulfonamide (PFOSA)	26.2	0.99	ng/L	23.7		110	40-150			
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	25.7	0.99	ng/L	23.7		108	40-150			
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	27.3	0.99	ng/L	23.7		115	40-150			
N-MeFOSAA (NMeFOSAA)	26.4	0.99	ng/L	23.7		111	40-150			
N-EtFOSAA (NEtFOSAA)	25.3	0.99	ng/L	23.7		106	40-150			
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	272	9.9	ng/L	237		115	40-150			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	274	9.9	ng/L	237		115	40-150			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	109	4.0	ng/L	95.0		114	40-150			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	103	4.0	ng/L	89.6		115	40-150			
9Cl-PF3ONS (F53B Minor)	90.5	4.0	ng/L	89.0		102	40-150			
11Cl-PF3OUdS (F53B Major)	98.1	4.0	ng/L	89.6		109	40-150			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	228	9.9	ng/L	237		96.0	40-150			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	1090	49	ng/L	1190		92.1	40-150			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	1070	49	ng/L	1190		90.1	40-150			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	43.3	2.0	ng/L	42.3		102	40-150			
Perfluoro-3-methoxypropanoic acid (PFMPA)	52.7	2.0	ng/L	47.5		111	40-150			
Perfluoro-4-methoxybutanoic acid (PFMBA)	56.2	2.0	ng/L	47.5		118	40-150			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	43.8	2.0	ng/L	47.5		92.2	40-150			
Surrogate: 13C4-PFBA	*84.7*		ng/L	98.9		85.6	20-150			
Surrogate: 13C5-PFPeA	*38.0*		ng/L	49.5		76.9	20-150			
Surrogate: 13C5-PFHxA	*20.4*		ng/L	24.7		82.6	20-150			

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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
Batch B340164 - Draft Method 1633										
LCS (B340164-BS2)				Prepared: 05/18/23 Analyzed: 05/22/23						
Surrogate: 13C4-PFHpA	*20.8*		ng/L	24.7		84.1	20-150			
Surrogate: 13C8-PFOA	*22.9*		ng/L	24.7		92.6	20-150			
Surrogate: 13C9-PFNA	*9.89*		ng/L	12.4		79.9	20-150			
Surrogate: 13C6-PFDA	*10.3*		ng/L	12.4		83.5	20-150			
Surrogate: 13C7-PFUnA	*10.1*		ng/L	12.4		81.5	20-150			
Surrogate: 13C2-PFDoA	*10.3*		ng/L	12.4		83.2	20-150			
Surrogate: 13C2-PFTeDA	*9.99*		ng/L	12.4		80.8	20-150			
Surrogate: 13C3-PFBS	*24.0*		ng/L	24.7		97.0	20-150			
Surrogate: 13C3-PFHxS	*20.4*		ng/L	24.7		82.5	20-150			
Surrogate: 13C8-PFOS	*19.4*		ng/L	24.7		78.6	20-150			
Surrogate: 13C2-4:2FTS	*41.1*		ng/L	49.5		83.1	20-150			
Surrogate: 13C2-6:2FTS	*40.9*		ng/L	49.5		82.7	20-150			
Surrogate: 13C2-8:2FTS	*41.7*		ng/L	49.5		84.3	20-150			
Surrogate: 13C8-PFOSA	*19.4*		ng/L	24.7		78.4	20-150			
Surrogate: D3-NMeFOSA	*14.6*		ng/L	24.7		59.0	20-150			
Surrogate: D5-NEtFOSA	*15.5*		ng/L	24.7		62.6	20-150			
Surrogate: D3-NMeFOSAA	*42.7*		ng/L	49.5		86.2	20-150			
Surrogate: D5-NEtFOSAA	*40.9*		ng/L	49.5		82.7	20-150			
Surrogate: D7-NMeFOSE	*188*		ng/L	247		76.1	20-150			
Surrogate: D9-NEtFOSE	*185*		ng/L	247		74.8	20-150			
Surrogate: 13C3-HFPO-DA	*74.1*		ng/L	98.9		74.9	20-150			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B340349 - Draft Method 1633										
Blank (B340349-BLK1)				Prepared & Analyzed: 05/16/23						
Total Suspended Solids	ND	5.0	mg/L							
LCS (B340349-BS1)				Prepared & Analyzed: 05/16/23						
Total Suspended Solids	185	5.0	mg/L	200		92.5	64.1-125			
Batch B340461 - Draft Method 1633										
Blank (B340461-BLK1)				Prepared & Analyzed: 05/17/23						
Total Suspended Solids	ND	5.0	mg/L							
LCS (B340461-BS1)				Prepared & Analyzed: 05/17/23						
Total Suspended Solids	200	5.0	mg/L	200		100	64.1-125			

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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.
H-01	Recommended sample holding time was exceeded, but analysis was performed before 2X the allowable holding time.
H-15	Sampling time not provided on the Chain of Custody.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
Draft Method 1633 in Water	
Total Suspended Solids	CT,MA,NH,NY,RI,NC,ME,VA
Perfluorobutanoic acid (PFBA)	NY,NH-P
Perfluoropentanoic acid (PFPeA)	NY,NH-P
Perfluorohexanoic acid (PFHxA)	NY,NH-P
Perfluoroheptanoic acid (PFHpA)	NY,NH-P
Perfluorooctanoic acid (PFOA)	NY,NH-P
Perfluorononanoic acid (PFNA)	NY,NH-P
Perfluorodecanoic acid (PFDA)	NY,NH-P
Perfluoroundecanoic acid (PFUnA)	NY,NH-P
Perfluorododecanoic acid (PFDoA)	NY,NH-P
Perfluorotridecanoic acid (PFTrDA)	NY,NH-P
Perfluorotetradecanoic acid (PFTeDA)	NY,NH-P
Perfluorobutanesulfonic acid (PFBS)	NY,NH-P
Perfluoropetanesulfonic acid (PFPeS)	NY,NH-P
Perfluorohexanesulfonic acid (PFHxS)	NY,NH-P
Perfluoroheptanesulfonic acid (PFHpS)	NY,NH-P
Perfluorooctanesulfonic acid (PFOS)	NY,NH-P
Perfluorononanesulfonic acid (PFNS)	NH-P
Perfluorodecanesulfonic acid (PFDS)	NH-P
Perfluorododecanesulfonic acid (PFDoS)	NH-P
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	NH-P
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	NY,NH-P
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	NY,NH-P
Perfluorooctanesulfonamide (PFOSA)	NH-P
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	NH-P
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	NH-P
N-MeFOSAA (NMeFOSAA)	NY,NH-P
N-EtFOSAA (NEtFOSAA)	NY,NH-P
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	NH-P
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	NH-P
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NY,NH-P
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NY,NH-P
9Cl-PF3ONS (F53B Minor)	NY,NH-P
11Cl-PF3OUdS (F53B Major)	NY,NH-P
3-Perfluoropropyl propanoic acid (FPrPA)(3:3FTCA)	NH-P
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	NH-P
3-Perfluoroheptyl propanoic acid (FHpPA)(7:3FTCA)	NH-P
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NY,NH-P
Perfluoro-3-methoxypropanoic acid (PFMPA)	NY,NH-P
Perfluoro-4-methoxybutanoic acid (PFMBA)	NH-P
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NH-P

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Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2024
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2023

RAMBOLL

Chain of Custody / Analysis Report

23E-1782 MM

Sampler(s): Sara Hahne, Liam Blake
(Signature)

Laboratory Use Only
Project Number:
Job Number:
Laboratory ID:
Lab Sample ID:

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 Q2 Low-Flow Sampling
Location: Old Bethpage, New York

Laboratory: Pace Analytical Services 39 Spruce St., East Longmeadow, MA 01028
Attn: RJ McCarthy
Phone: 413-525-2332

Holding Time:
Package Requirement: Level 2 and Level 3
EDD Format: EQuIS 4-file

Analysis Required
Preservatives: (see key at bottom) 1 | 0 | 0

	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)	TCL VOCs by 8260C	PFAS by 1633	1,4-Dioxane by 8270 SIM
1	MW-CPC-39-16-374-20230509-0	MW-CPC-39	5/9/2023	10:50	N	WG	7	G	N	X	X	X
2	MW-CPC-39-16-374-20230509-1	MW-CPC-39	5/9/2023	-----	FD	WG	7	G	N	X	X	X
3	MW-CPC-39-16-374-20230509-2	MW-CPC-39	5/9/2023	11:50	EB	WQ	2	G	N		X	
4	MW-CPC-40-16-312-20230509-0	MW-CPC-40	5/9/2023	13:30	N	WG	7	G	N	X	X	X
5	MW-CPC-41-16-258-20230509-0	MW-CPC-41	5/9/2023	15:50	N	WG	7	G	N	X	X	X
6	MW-CPC-38-16-391-20230510-0	MW-CPC-38	5/10/2023	15:15	N	WG	7	G	N	X	X	Z
7	MW-CPC-36-16-251-20230511-0	MW-CPC-36	5/11/2023	9:00	N	WG	7	G	N	X	X	X
8	MW-CPC-37-16-445-20230511-0	MW-CPC-37	5/11/2023	11:20	N	WG	7	G	N	X	X	X
9	TB-20230511	----	5/11/2023	------	TB	WQ	2	G	N	X		
10												
11												
12	SRH											
13												
14												

Special Instructions:

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

Relinquished by: Sara Hahne — Date: 5/11/2023 — Time: 12:33
Of: Ramboll

Relinquished by: [signature] — Date: 5/11/23 — Time: 1800
Of: RALE Analytical LLC

Courier Name: FedEx — Date: — Time:
Tracking #: — Received By: — Date: 0940 5-12-23 — Time:
Of:

Received By: [signature] — Date: 5/11/2023 — Time: 12:40
Of: Pace Analytical

Courier Name: Fedex — Date: — Time:
Tracking #: — Received By: — Date: 5/11/23 — Time:
Of:

Condition: 12-4°C (W)

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

Cooler Temperature: 3.4/4.2/2.0

Other comments or notes regarding condition of samples as received: Samples not filtered prior to forwarding

Sample Type: N = Normal env. sample, FD = field duplicate, EB = Equipment Blank, TB = Trip Blank, MS = Lab Matrix Spike, Other (Specify): FRB = Field Reagent Blank
Sample Matrix: 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 = HNO_3, 3 = H_2SO_4, 4 = NaOH, 5 = Zn Acetate, 6 = MeOH, 7 = $NaHSO_4$, 8 = Na_3PO_4, 9 = BenzalkoniumCl, 10 = other

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[redacted]

Learn about FedEx services impacted by Mother's Day.

FedEx® Tracking

DELIVERED

Friday

5/12/2023 at 9:40 am

Signed for by: C.CHRISTIAN

Obtain Proof of delivery

DELIVERY STATUS

Delivered

Shipment is 1 of 3 pieces

TRACKING ID

647678498660

FROM
MELVILLE, NY US

Label Created
5/11/2023 4:32 PM

PACKAGE RECEIVED BY FEDEX
MELVILLE, NY
5/11/2023 5:30 PM

IN TRANSIT
WINDSOR LOCKS, CT
5/12/2023 7:51 AM

OUT FOR DELIVERY
WINDSOR LOCKS, CT
5/12/2023 8:11 AM

DELIVERED
EAST LONGMEADOW, MA US

Delivered
5/12/2023 at 9:40 AM

View travel history

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Log In Back-Sheet

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

Pace® PEOPLE ADVANCING SCIEN

Client Rumbell

Project Claremont Polychemical Site

MCP/RCP Required N/A

Deliverable Package Req. N/A

Location Old Bethpage, NY

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☐ Fed Ex ☑ Walk In ☐ Other ☐

Received By / Date / Time AJ 5/12/23 940

Back-Sheet By / Date / Time LA 5/12/23 1230

Temperature Method Gun #5

Temp ☑ < 6° C Actual Temperature 3.4/4.2 IR

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☑	☐
MS/MSD	☐	☑
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐

Notes regarding Samples/COC outside of SOP:

Split from Workorder 23E1114

COC Included: (Check all included)

Client ☑ Analysis ☑ Sampler Name ☐

Project ☐ IDs ☑ Collection Date/Time ☑

All Samples Proper pH: N/A ☐ ☐

Container (Circle when applicable)	UnP	HCl	HNO3	H2SO4	NaOH	Trizma	NaS2O3	Other Preservative
1L Amber Plastic								
500 mL Amber Plastic	16							
250 mL Amber Plastic								
Other Amber Clear Plastic	7							
16oz Amber Clear								
8oz Amber Clear								
4oz Amber Clear								
2oz Amber Clear								
Col/Bacteria								
Flashpoint								
Plastic Bag								
SOC Kit								
Perchlorate								
Encore								
Frozen								

	Proper Headspace	UnP	HCl	MeOH	Bisulfate	DI	Thiosulfate	Sulfuric	Other
Vials									

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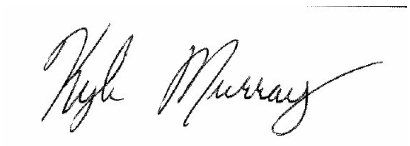
May 25, 2023

Michael Grifasi
NYDEC_Ramboll US Consulting, Inc. - Syracuse
333 West Washington Street, PO Box 4873
Syracuse, NY 13221

Project Location: Old Bethpage, New York
Client Job Number:
Project Number: 130015
Laboratory Work Order Number: 23E2399

Enclosed are results of analyses for samples as received by the laboratory on May 17, 2023. 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 13221
ATTN: Michael Grifasi

REPORT DATE: 5/25/2023

PURCHASE ORDER NUMBER: 144165

PROJECT NUMBER: 130015

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23E2399

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Old Bethpage, New York

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
BP3A-CP-00-051623	23E2399-01	Ground Water		SW-846 8260D	
BP3B-CP-00-051623	23E2399-02	Ground Water		SW-846 8260D	
BP3C-CP-00-051623	23E2399-03	Ground Water		SW-846 8260D	
BP5B-CP-00-051623	23E2399-04	Ground Water		SW-846 8260D	
BP5C-CP-00-051623	23E2399-05	Ground Water		SW-846 8260D	
BP12B-CP-00-051623	23E2399-06	Ground Water		SW-846 8260D	
BP12C-CP-00-051623	23E2399-07	Ground Water		SW-846 8260D	
BP13B-CP-00-051623	23E2399-08	Ground Water		SW-846 8260D	
BP13C-CP-00-051623	23E2399-09	Ground Water		SW-846 8260D	
DW1-CP-00-051623	23E2399-10	Ground Water		SW-846 8260D	
DW2-CP-00-051623	23E2399-11	Ground Water		SW-846 8260D	
DW2-CP-01-051623	23E2399-12	Ground Water		SW-846 8260D	
EW1A-CP-00-051623	23E2399-13	Ground Water		SW-846 8260D	
EW1B-CP-00-03051623	23E2399-14	Ground Water		SW-846 8260D	

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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:

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:

Bromoform

23E2399-01[BP3A-CP-00-051623], 23E2399-02[BP3B-CP-00-051623], 23E2399-03[BP3C-CP-00-051623], 23E2399-04[BP5B-CP-00-051623], 23E2399-05[BP5C-CP-00-051623], 23E2399-06[BP12B-CP-00-051623], 23E2399-07[BP12C-CP-00-051623], 23E2399-08[BP13B-CP-00-051623], 23E2399-09[BP13C-CP-00-051623], 23E2399-10[DW1-CP-00-051623], 23E2399- 11[DW2-CP-00-051623], 23E2399-12[DW2-CP-01-051623], 23E2399-13[EW1A-CP-00-051623], 23E2399-14[EW1B-CP-00-03051623], B340907-BLK1, B340907-BS1, B340907-BSD1, B340908-BLK1, B340908-BS1, B340908-BSD1, S087860-CCV1, S087862-CCV1

Methyl Acetate

23E2399-01[BP3A-CP-00-051623], 23E2399-02[BP3B-CP-00-051623], 23E2399-03[BP3C-CP-00-051623], 23E2399-04[BP5B-CP-00-051623], 23E2399-05[BP5C-CP-00-051623], 23E2399-06[BP12B-CP-00-051623], 23E2399-07[BP12C-CP-00-051623], 23E2399-08[BP13B-CP-00-051623], 23E2399-09[BP13C-CP-00-051623], 23E2399-10[DW1-CP-00-051623], 23E2399- 11[DW2-CP-00-051623], 23E2399-12[DW2-CP-01-051623], 23E2399-13[EW1A-CP-00-051623], 23E2399-14[EW1B-CP-00-03051623], B340907-BLK1, B340907-BS1, B340907-BSD1, B340908-BLK1, B340908-BS1, B340908-BSD1, S087860-CCV1, S087862-CCV1

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:

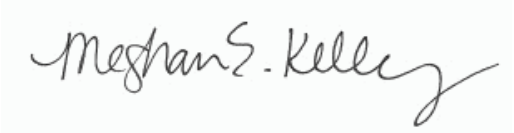
Bromomethane

B340907-BS1, B340907-BSD1, B340908-BS1, B340908-BSD1, S087860-CCV1, S087862-CCV1

Chloromethane

B340907-BS1, B340907-BSD1, S087860-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, 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.



Meghan E. Kelley
Reporting Specialist

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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: 23E2399

Date Received: 5/17/2023

Field Sample #: BP3A-CP-00-051623 | Sampled: 5/16/2023 08:05

Sample ID: 23E2399-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	51	50	2.0	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
2-Butanone (MEK)	3.4	20	1.7	µg/L	1	J	SW-846 8260D	5/22/23	5/22/23 18:20	MFF
tert-Butyl Alcohol (TBA)	11	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Chloroform	0.55	2.0	0.14	µg/L	1	J	SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF

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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: 23E2399

Date Received: 5/17/2023

Field Sample #: BP3A-CP-00-051623 | Sampled: 5/16/2023 08:05

Sample ID: 23E2399-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Trichloroethylene	0.19	1.0	0.17	µg/L	1	J	SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/22/23 18:20	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		5/22/23 18:20
Toluene-d8	101	70-130		5/22/23 18:20
4-Bromofluorobenzene	93.1	70-130		5/22/23 18:20

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2399

Date Received: 5/17/2023

Field Sample #: BP3B-CP-00-051623 | Sampled: 5/16/2023 08:10

Sample ID: 23E2399-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	100	50	2.0	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
2-Butanone (MEK)	3.3	20	1.7	µg/L	1	J	SW-846 8260D	5/22/23	5/22/23 17:53	MFF
tert-Butyl Alcohol (TBA)	4.4	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Chloroform	0.17	2.0	0.14	µg/L	1	J	SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Dichlorodifluoromethane (Freon 12)	0.36	2.0	0.16	µg/L	1	J	SW-846 8260D	5/22/23	5/22/23 17:53	MFF
1,1-Dichloroethane	1.6	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
cis-1,2-Dichloroethylene	5.4	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Tetrachloroethylene	3.3	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF

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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: 23E2399

Date Received: 5/17/2023

Field Sample #: BP3B-CP-00-051623 | Sampled: 5/16/2023 08:10

Sample ID: 23E2399-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Trichloroethylene	0.83	1.0	0.17	µg/L	1	J	SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/22/23 17:53	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.0	70-130		5/22/23 17:53
Toluene-d8	99.3	70-130		5/22/23 17:53
4-Bromofluorobenzene	92.4	70-130		5/22/23 17:53

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2399

Date Received: 5/17/2023

Field Sample #: BP3C-CP-00-051623 | Sampled: 5/16/2023 08:15

Sample ID: 23E2399-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	43	50	2.0	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Benzene	0.43	1.0	0.18	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
tert-Butyl Alcohol (TBA)	5.9	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Chlorobenzene	0.16	1.0	0.12	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Dichlorodifluoromethane (Freon 12)	0.54	2.0	0.16	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 0:07	MFF
1,1-Dichloroethane	1.7	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
cis-1,2-Dichloroethylene	6.9	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Methylene Chloride	0.28	5.0	0.18	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 0:07	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Tetrachloroethylene	11	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2399

Date Received: 5/17/2023

Field Sample #: BP3C-CP-00-051623 | Sampled: 5/16/2023 08:15

Sample ID: 23E2399-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Trichloroethylene	1.5	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Vinyl Chloride	0.60	2.0	0.24	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 0:07	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:07	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	100	70-130		5/23/23 0:07	
Toluene-d8	101	70-130		5/23/23 0:07	
4-Bromofluorobenzene	93.7	70-130		5/23/23 0:07	

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2399

Date Received: 5/17/2023

Field Sample #: BP5B-CP-00-051623 | Sampled: 5/16/2023 10:35

Sample ID: 23E2399-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	150	50	2.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
2-Butanone (MEK)	8.5	20	1.7	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 0:33	MFF
tert-Butyl Alcohol (TBA)	6.7	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Methyl Acetate	1.9	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF

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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: 23E2399

Date Received: 5/17/2023

Field Sample #: BP5B-CP-00-051623 | Sampled: 5/16/2023 10:35

Sample ID: 23E2399-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 0:33	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	98.0	70-130		5/23/23 0:33	
Toluene-d8	97.1	70-130		5/23/23 0:33	
4-Bromofluorobenzene	92.6	70-130		5/23/23 0:33	

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2399

Date Received: 5/17/2023

Field Sample #: BP5C-CP-00-051623 | Sampled: 5/16/2023 10:40

Sample ID: 23E2399-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	35	50	2.0	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
tert-Butyl Alcohol (TBA)	11	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Chloroform	0.33	2.0	0.14	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
1,1-Dichloroethane	4.3	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
1,1-Dichloroethylene	1.1	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
cis-1,2-Dichloroethylene	0.33	1.0	0.14	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 1:00	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Tetrachloroethylene	0.18	1.0	0.17	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2399

Date Received: 5/17/2023

Field Sample #: BP5C-CP-00-051623 | Sampled: 5/16/2023 10:40

Sample ID: 23E2399-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
1,1,1-Trichloroethane	1.1	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Trichloroethylene	0.70	1.0	0.17	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:00	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	99.8	70-130		5/23/23	1:00
Toluene-d8	100	70-130		5/23/23	1:00
4-Bromofluorobenzene	92.4	70-130		5/23/23	1:00

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2399

Date Received: 5/17/2023

Field Sample #: BP12B-CP-00-051623 | Sampled: 5/16/2023 10:20

Sample ID: 23E2399-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	70	50	2.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Benzene	0.26	1.0	0.18	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
2-Butanone (MEK)	4.3	20	1.7	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 1:27	MFF
tert-Butyl Alcohol (TBA)	5.8	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Chloroform	0.15	2.0	0.14	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Methyl Acetate	2.1	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Tetrachloroethylene	0.21	1.0	0.17	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2399

Date Received: 5/17/2023

Field Sample #: BP12B-CP-00-051623 | Sampled: 5/16/2023 10:20

Sample ID: 23E2399-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:27	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	98.1	70-130		5/23/23 1:27	
Toluene-d8	101	70-130		5/23/23 1:27	
4-Bromofluorobenzene	91.2	70-130		5/23/23 1:27	

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2399

Date Received: 5/17/2023

Field Sample #: BP12C-CP-00-051623 | Sampled: 5/16/2023 10:15

Sample ID: 23E2399-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	110	50	2.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
2-Butanone (MEK)	3.3	20	1.7	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 1:53	MFF
tert-Butyl Alcohol (TBA)	12	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Chloroform	0.22	2.0	0.14	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
1,1-Dichloroethane	0.15	1.0	0.14	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 1:53	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF

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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: 23E2399

Date Received: 5/17/2023

Field Sample #: BP12C-CP-00-051623 | Sampled: 5/16/2023 10:15

Sample ID: 23E2399-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 1:53	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		5/23/23 1:53
Toluene-d8	98.1	70-130		5/23/23 1:53
4-Bromofluorobenzene	94.2	70-130		5/23/23 1:53

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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: 23E2399

Date Received: 5/17/2023

Field Sample #: BP13B-CP-00-051623 | Sampled: 5/16/2023 11:00

Sample ID: 23E2399-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	210	50	2.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
2-Butanone (MEK)	6.4	20	1.7	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 2:20	MFF
tert-Butyl Alcohol (TBA)	10	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
1,1-Dichloroethane	0.48	1.0	0.14	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 2:20	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2399

Date Received: 5/17/2023

Field Sample #: BP13B-CP-00-051623 | Sampled: 5/16/2023 11:00

Sample ID: 23E2399-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Trichloroethylene	0.70	1.0	0.17	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:20	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.2	70-130		5/23/23 2:20
Toluene-d8	97.0	70-130		5/23/23 2:20
4-Bromofluorobenzene	92.7	70-130		5/23/23 2:20

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2399

Date Received: 5/17/2023

Field Sample #: BP13C-CP-00-051623 | Sampled: 5/16/2023 10:50

Sample ID: 23E2399-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	34	50	2.0	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
2-Butanone (MEK)	2.9	20	1.7	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 2:47	MFF
tert-Butyl Alcohol (TBA)	4.5	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF

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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: 23E2399

Date Received: 5/17/2023

Field Sample #: BP13C-CP-00-051623 | Sampled: 5/16/2023 10:50

Sample ID: 23E2399-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 2:47	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.8	70-130		5/23/23 2:47
Toluene-d8	99.7	70-130		5/23/23 2:47
4-Bromofluorobenzene	90.9	70-130		5/23/23 2:47

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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: 23E2399

Date Received: 5/17/2023

Field Sample #: DW1-CP-00-051623 | Sampled: 5/16/2023 12:40

Sample ID: 23E2399-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	97	50	2.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
2-Butanone (MEK)	3.8	20	1.7	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 3:13	MFF
tert-Butyl Alcohol (TBA)	13	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
cis-1,2-Dichloroethylene	7.4	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Tetrachloroethylene	4.8	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF

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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: 23E2399

Date Received: 5/17/2023

Field Sample #: DW1-CP-00-051623 | Sampled: 5/16/2023 12:40

Sample ID: 23E2399-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Trichloroethylene	0.61	1.0	0.17	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:13	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	101	70-130		5/23/23 3:13	
Toluene-d8	99.8	70-130		5/23/23 3:13	
4-Bromofluorobenzene	93.0	70-130		5/23/23 3:13	

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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: 23E2399

Date Received: 5/17/2023

Field Sample #: DW2-CP-00-051623 | Sampled: 5/16/2023 12:45

Sample ID: 23E2399-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	50	50	2.0	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
2-Butanone (MEK)	3.3	20	1.7	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 3:40	MFF
tert-Butyl Alcohol (TBA)	11	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Tetrachloroethylene	1.5	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF

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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: 23E2399

Date Received: 5/17/2023

Field Sample #: DW2-CP-00-051623 | Sampled: 5/16/2023 12:45

Sample ID: 23E2399-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 3:40	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	98.4	70-130		5/23/23	3:40
Toluene-d8	98.0	70-130		5/23/23	3:40
4-Bromofluorobenzene	93.1	70-130		5/23/23	3:40

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2399

Date Received: 5/17/2023

Field Sample #: DW2-CP-01-051623 | Sampled: 5/16/2023 00:00

Sample ID: 23E2399-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	51	50	2.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
2-Butanone (MEK)	3.1	20	1.7	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 4:06	MFF
tert-Butyl Alcohol (TBA)	12	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Tetrachloroethylene	1.5	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2399

Date Received: 5/17/2023

Field Sample #: DW2-CP-01-051623 | Sampled: 5/16/2023 00:00

Sample ID: 23E2399-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:06	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.9	70-130		5/23/23 4:06
Toluene-d8	97.8	70-130		5/23/23 4:06
4-Bromofluorobenzene	92.9	70-130		5/23/23 4:06

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2399

Date Received: 5/17/2023

Field Sample #: EW1A-CP-00-051623 | Sampled: 5/16/2023 13:10

Sample ID: 23E2399-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	220	50	2.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
2-Butanone (MEK)	4.8	20	1.7	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 4:33	MFF
tert-Butyl Alcohol (TBA)	7.4	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Chloroform	0.37	2.0	0.14	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Tetrachloroethylene	1.9	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2399

Date Received: 5/17/2023

Field Sample #: EW1A-CP-00-051623 | Sampled: 5/16/2023 13:10

Sample ID: 23E2399-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 4:33	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.4	70-130		5/23/23 4:33
Toluene-d8	100	70-130		5/23/23 4:33
4-Bromofluorobenzene	90.5	70-130		5/23/23 4:33

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2399

Date Received: 5/17/2023

Field Sample #: EW1B-CP-00-03051623 | Sampled: 5/16/2023 13:00

Sample ID: 23E2399-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	260	50	2.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
2-Butanone (MEK)	6.7	20	1.7	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 5:00	MFF
tert-Butyl Alcohol (TBA)	8.4	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
cis-1,2-Dichloroethylene	2.8	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Tetrachloroethylene	0.66	1.0	0.17	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2399

Date Received: 5/17/2023

Field Sample #: EW1B-CP-00-03051623 | Sampled: 5/16/2023 13:00

Sample ID: 23E2399-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Trichloroethylene	0.94	1.0	0.17	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:00	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.8	70-130		5/23/23 5:00
Toluene-d8	98.0	70-130		5/23/23 5:00
4-Bromofluorobenzene	93.0	70-130		5/23/23 5:00

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23E2399-01 [BP3A-CP-00-051623]	B340907	5	5.00	05/22/23
23E2399-02 [BP3B-CP-00-051623]	B340907	5	5.00	05/22/23

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23E2399-03 [BP3C-CP-00-051623]	B340908	5	5.00	05/22/23
23E2399-04 [BP5B-CP-00-051623]	B340908	5	5.00	05/22/23
23E2399-05 [BP5C-CP-00-051623]	B340908	5	5.00	05/22/23
23E2399-06 [BP12B-CP-00-051623]	B340908	5	5.00	05/22/23
23E2399-07 [BP12C-CP-00-051623]	B340908	5	5.00	05/22/23
23E2399-08 [BP13B-CP-00-051623]	B340908	5	5.00	05/22/23
23E2399-09 [BP13C-CP-00-051623]	B340908	5	5.00	05/22/23
23E2399-10 [DW1-CP-00-051623]	B340908	5	5.00	05/22/23
23E2399-11 [DW2-CP-00-051623]	B340908	5	5.00	05/22/23
23E2399-12 [DW2-CP-01-051623]	B340908	5	5.00	05/22/23
23E2399-13 [EW1A-CP-00-051623]	B340908	5	5.00	05/22/23
23E2399-14 [EW1B-CP-00-03051623]	B340908	5	5.00	05/22/23

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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 B340907 - SW-846 5030B										
Blank (B340907-BLK1)				Prepared & Analyzed: 05/22/23						
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							V-05
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	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							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							V-05
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							
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							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	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 B340907 - SW-846 5030B											
Blank (B340907-BLK1)				Prepared & Analyzed: 05/22/23							
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	*24.8*		µg/L	25.0		99.3	70-130				
Surrogate: Toluene-d8	*24.6*		µg/L	25.0		98.6	70-130				
Surrogate: 4-Bromofluorobenzene	*23.8*		µg/L	25.0		95.0	70-130				
LCS (B340907-BS1)				Prepared & Analyzed: 05/22/23							
Acetone	94.2	50	µg/L	100		94.2	70-160				†
Benzene	11.4	1.0	µg/L	10.0		114	70-130				
Bromochloromethane	11.4	1.0	µg/L	10.0		114	70-130				
Bromodichloromethane	9.93	0.50	µg/L	10.0		99.3	70-130				
Bromoform	7.40	1.0	µg/L	10.0		74.0	70-130			V-05	
Bromomethane	13.2	2.0	µg/L	10.0		132	40-160			V-20	†
2-Butanone (MEK)	105	20	µg/L	100		105	40-160				†
tert-Butyl Alcohol (TBA)	77.5	20	µg/L	100		77.5	40-160				†
Carbon Disulfide	91.5	5.0	µg/L	100		91.5	70-130				
Carbon Tetrachloride	9.87	5.0	µg/L	10.0		98.7	70-130				
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130				
Chlorodibromomethane	9.07	0.50	µg/L	10.0		90.7	70-130				
Chloroethane	9.58	2.0	µg/L	10.0		95.8	70-130				
Chloroform	10.3	2.0	µg/L	10.0		103	70-130				
Chloromethane	12.5	2.0	µg/L	10.0		125	40-160			V-20	†
Cyclohexane	10.4	5.0	µg/L	10.0		104	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	8.11	5.0	µg/L	10.0		81.1	70-130				
1,2-Dibromoethane (EDB)	10.0	0.50	µg/L	10.0		100	70-130				
1,2-Dichlorobenzene	9.97	1.0	µg/L	10.0		99.7	70-130				
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130				
1,4-Dichlorobenzene	9.59	1.0	µg/L	10.0		95.9	70-130				
Dichlorodifluoromethane (Freon 12)	10.6	2.0	µg/L	10.0		106	40-160				†
1,1-Dichloroethane	10.4	1.0	µg/L	10.0		104	70-130				
1,2-Dichloroethane	9.62	1.0	µg/L	10.0		96.2	70-130				
1,1-Dichloroethylene	9.72	1.0	µg/L	10.0		97.2	70-130				
cis-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130				
trans-1,2-Dichloroethylene	9.81	1.0	µg/L	10.0		98.1	70-130				
1,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	70-130				
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130				
trans-1,3-Dichloropropene	9.65	0.50	µg/L	10.0		96.5	70-130				
1,4-Dioxane	89.0	50	µg/L	100		89.0	40-130				†
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130				
2-Hexanone (MBK)	93.6	10	µg/L	100		93.6	70-160				†
Isopropylbenzene (Cumene)	9.87	1.0	µg/L	10.0		98.7	70-130				
Methyl Acetate	7.64	1.0	µg/L	10.0		76.4	70-130			V-05	
Methyl tert-Butyl Ether (MTBE)	9.65	1.0	µg/L	10.0		96.5	70-130				
Methyl Cyclohexane	11.0	1.0	µg/L	10.0		110	70-130				
Methylene Chloride	9.97	5.0	µg/L	10.0		99.7	70-130				
4-Methyl-2-pentanone (MIBK)	92.1	10	µg/L	100		92.1	70-160				†
Styrene	10.0	1.0	µg/L	10.0		100	70-130				
1,1,2,2-Tetrachloroethane	9.37	0.50	µg/L	10.0		93.7	70-130				
Tetrachloroethylene	10.5	1.0	µg/L	10.0		105	70-130				
Toluene	10.8	1.0	µg/L	10.0		108	70-130				
1,2,3-Trichlorobenzene	9.54	5.0	µg/L	10.0		95.4	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 B340907 - SW-846 5030B											
LCS (B340907-BS1)				Prepared & Analyzed: 05/22/23							
1,2,4-Trichlorobenzene	9.65	1.0	µg/L	10.0		96.5	70-130				
1,1,1-Trichloroethane	10.0	1.0	µg/L	10.0		100	70-130				
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130				
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130				
Trichlorofluoromethane (Freon 11)	9.45	2.0	µg/L	10.0		94.5	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3	1.0	µg/L	10.0		103	70-130				
Vinyl Chloride	10.9	2.0	µg/L	10.0		109	40-160				†
m+p Xylene	21.0	2.0	µg/L	20.0		105	70-130				
o-Xylene	10.1	1.0	µg/L	10.0		101	70-130				
Xylenes (total)	31.1	1.0	µg/L	30.0		104	0-200				
Surrogate: 1,2-Dichloroethane-d4	*24.4*		µg/L	25.0		97.7	70-130				
Surrogate: Toluene-d8	*25.8*		µg/L	25.0		103	70-130				
Surrogate: 4-Bromofluorobenzene	*24.4*		µg/L	25.0		97.6	70-130				
LCS Dup (B340907-BSD1)				Prepared & Analyzed: 05/22/23							
Acetone	98.7	50	µg/L	100		98.7	70-160	4.64	25		†
Benzene	11.4	1.0	µg/L	10.0		114	70-130	0.614	25		
Bromochloromethane	11.8	1.0	µg/L	10.0		118	70-130	3.02	25		
Bromodichloromethane	10.2	0.50	µg/L	10.0		102	70-130	3.17	25		
Bromoform	7.77	1.0	µg/L	10.0		77.7	70-130	4.88	25	V-05	
Bromomethane	13.2	2.0	µg/L	10.0		132	40-160	0.455	25	V-20	†
2-Butanone (MEK)	116	20	µg/L	100		116	40-160	9.74	25		†
tert-Butyl Alcohol (TBA)	88.7	20	µg/L	100		88.7	40-160	13.5	25		†
Carbon Disulfide	94.5	5.0	µg/L	100		94.5	70-130	3.26	25		
Carbon Tetrachloride	9.85	5.0	µg/L	10.0		98.5	70-130	0.203	25		
Chlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	1.95	25		
Chlorodibromomethane	9.37	0.50	µg/L	10.0		93.7	70-130	3.25	25		
Chloroethane	10.4	2.0	µg/L	10.0		104	70-130	8.21	25		
Chloroform	10.5	2.0	µg/L	10.0		105	70-130	1.63	25		
Chloromethane	11.3	2.0	µg/L	10.0		113	40-160	9.49	25	V-20	†
Cyclohexane	10.7	5.0	µg/L	10.0		107	70-130	2.85	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.89	5.0	µg/L	10.0		88.9	70-130	9.18	25		
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130	5.73	25		
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	2.67	25		
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	0.491	25		
1,4-Dichlorobenzene	9.69	1.0	µg/L	10.0		96.9	70-130	1.04	25		
Dichlorodifluoromethane (Freon 12)	10.2	2.0	µg/L	10.0		102	40-160	3.17	25		†
1,1-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130	1.24	25		
1,2-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130	4.97	25		
1,1-Dichloroethylene	9.89	1.0	µg/L	10.0		98.9	70-130	1.73	25		
cis-1,2-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130	1.41	25		
trans-1,2-Dichloroethylene	9.76	1.0	µg/L	10.0		97.6	70-130	0.511	25		
1,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	70-130	1.59	25		
cis-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103	70-130	1.76	25		
trans-1,3-Dichloropropene	10.0	0.50	µg/L	10.0		100	70-130	3.96	25		
1,4-Dioxane	98.2	50	µg/L	100		98.2	40-130	9.80	50		† ‡
Ethylbenzene	10.5	1.0	µg/L	10.0		105	70-130	1.06	25		
2-Hexanone (MBK)	103	10	µg/L	100		103	70-160	9.36	25		†
Isopropylbenzene (Cumene)	9.99	1.0	µg/L	10.0		99.9	70-130	1.21	25		
Methyl Acetate	8.53	1.0	µg/L	10.0		85.3	70-130	11.0	25	V-05	
Methyl tert-Butyl Ether (MTBE)	10.1	1.0	µg/L	10.0		101	70-130	4.56	25		
Methyl Cyclohexane	10.4	1.0	µg/L	10.0		104	70-130	5.04	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 B340907 - SW-846 5030B										
LCS Dup (B340907-BSD1)				Prepared & Analyzed: 05/22/23						
Methylene Chloride	10.4	5.0	µg/L	10.0		104	70-130	4.13	25	
4-Methyl-2-pentanone (MIBK)	99.6	10	µg/L	100		99.6	70-160	7.81	25	†
Styrene	10.5	1.0	µg/L	10.0		105	70-130	4.19	25	
1,1,2,2-Tetrachloroethane	10.0	0.50	µg/L	10.0		100	70-130	6.50	25	
Tetrachloroethylene	9.97	1.0	µg/L	10.0		99.7	70-130	4.89	25	
Toluene	10.8	1.0	µg/L	10.0		108	70-130	0.556	25	
1,2,3-Trichlorobenzene	10.5	5.0	µg/L	10.0		105	70-130	9.58	25	
1,2,4-Trichlorobenzene	9.89	1.0	µg/L	10.0		98.9	70-130	2.46	25	
1,1,1-Trichloroethane	9.96	1.0	µg/L	10.0		99.6	70-130	0.401	25	
1,1,2-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130	6.05	25	
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	0.491	25	
Trichlorofluoromethane (Freon 11)	9.53	2.0	µg/L	10.0		95.3	70-130	0.843	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.93	1.0	µg/L	10.0		99.3	70-130	3.46	25	
Vinyl Chloride	11.4	2.0	µg/L	10.0		114	40-160	4.50	25	†
m+p Xylene	20.8	2.0	µg/L	20.0		104	70-130	0.957	25	
o-Xylene	10.2	1.0	µg/L	10.0		102	70-130	1.28	25	
Xylenes (total)	31.0	1.0	µg/L	30.0		103	0-200	0.225		
Surrogate: 1,2-Dichloroethane-d4	*24.1*		µg/L	25.0		96.3	70-130			
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	*24.4*		µg/L	25.0		97.6	70-130			
Batch B340908 - SW-846 5030B										
Blank (B340908-BLK1)				Prepared & Analyzed: 05/22/23						
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							V-05
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	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							

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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 B340908 - SW-846 5030B											
Blank (B340908-BLK1)				Prepared & Analyzed: 05/22/23							
cis-1,3-Dichloropropene	ND	0.50	µg/L								
trans-1,3-Dichloropropene	ND	0.50	µg/L								
1,4-Dioxane	ND	50	µg/L								
Ethylbenzene	ND	1.0	µg/L								
2-Hexanone (MBK)	ND	10	µg/L								
Isopropylbenzene (Cumene)	ND	1.0	µg/L								
Methyl Acetate	ND	1.0	µg/L							V-05	
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								
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								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	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	*25.4*		µg/L	25.0		101	70-130				
Surrogate: Toluene-d8	*25.1*		µg/L	25.0		100	70-130				
Surrogate: 4-Bromofluorobenzene	*23.5*		µg/L	25.0		94.2	70-130				
LCS (B340908-BS1)				Prepared & Analyzed: 05/22/23							
Acetone	97.1	50	µg/L	100		97.1	70-160				†
Benzene	11.6	1.0	µg/L	10.0		116	70-130				
Bromochloromethane	11.5	1.0	µg/L	10.0		115	70-130				
Bromodichloromethane	9.66	0.50	µg/L	10.0		96.6	70-130				
Bromoform	7.52	1.0	µg/L	10.0		75.2	70-130			V-05	
Bromomethane	13.1	2.0	µg/L	10.0		131	40-160			V-20	†
2-Butanone (MEK)	110	20	µg/L	100		110	40-160				†
tert-Butyl Alcohol (TBA)	83.5	20	µg/L	100		83.5	40-160				†
Carbon Disulfide	90.6	5.0	µg/L	100		90.6	70-130				
Carbon Tetrachloride	9.70	5.0	µg/L	10.0		97.0	70-130				
Chlorobenzene	10.4	1.0	µg/L	10.0		104	70-130				
Chlorodibromomethane	9.03	0.50	µg/L	10.0		90.3	70-130				
Chloroethane	9.80	2.0	µg/L	10.0		98.0	70-130				
Chloroform	10.4	2.0	µg/L	10.0		104	70-130				
Chloromethane	9.75	2.0	µg/L	10.0		97.5	40-160				†
Cyclohexane	10.5	5.0	µg/L	10.0		105	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	8.40	5.0	µg/L	10.0		84.0	70-130				
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101	70-130				
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130				
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130				
1,4-Dichlorobenzene	9.83	1.0	µg/L	10.0		98.3	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 B340908 - SW-846 5030B											
LCS (B340908-BS1)				Prepared & Analyzed: 05/22/23							
Dichlorodifluoromethane (Freon 12)	10.0	2.0	µg/L	10.0		100	40-160				†
1,1-Dichloroethane	10.5	1.0	µg/L	10.0		105	70-130				
1,2-Dichloroethane	9.70	1.0	µg/L	10.0		97.0	70-130				
1,1-Dichloroethylene	9.60	1.0	µg/L	10.0		96.0	70-130				
cis-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130				
trans-1,2-Dichloroethylene	9.60	1.0	µg/L	10.0		96.0	70-130				
1,2-Dichloropropane	10.3	1.0	µg/L	10.0		103	70-130				
cis-1,3-Dichloropropene	9.80	0.50	µg/L	10.0		98.0	70-130				
trans-1,3-Dichloropropene	9.50	0.50	µg/L	10.0		95.0	70-130				
1,4-Dioxane	91.1	50	µg/L	100		91.1	40-130				†
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130				
2-Hexanone (MBK)	97.4	10	µg/L	100		97.4	70-160				†
Isopropylbenzene (Cumene)	9.93	1.0	µg/L	10.0		99.3	70-130				
Methyl Acetate	7.86	1.0	µg/L	10.0		78.6	70-130			V-05	
Methyl tert-Butyl Ether (MTBE)	9.95	1.0	µg/L	10.0		99.5	70-130				
Methyl Cyclohexane	10.5	1.0	µg/L	10.0		105	70-130				
Methylene Chloride	10.0	5.0	µg/L	10.0		100	70-130				
4-Methyl-2-pentanone (MIBK)	94.8	10	µg/L	100		94.8	70-160				†
Styrene	10.4	1.0	µg/L	10.0		104	70-130				
1,1,2,2-Tetrachloroethane	9.79	0.50	µg/L	10.0		97.9	70-130				
Tetrachloroethylene	10.1	1.0	µg/L	10.0		101	70-130				
Toluene	10.4	1.0	µg/L	10.0		104	70-130				
1,2,3-Trichlorobenzene	10.1	5.0	µg/L	10.0		101	70-130				
1,2,4-Trichlorobenzene	9.71	1.0	µg/L	10.0		97.1	70-130				
1,1,1-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130				
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130				
Trichloroethylene	10.0	1.0	µg/L	10.0		100	70-130				
Trichlorofluoromethane (Freon 11)	9.43	2.0	µg/L	10.0		94.3	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1	1.0	µg/L	10.0		101	70-130				
Vinyl Chloride	10.8	2.0	µg/L	10.0		108	40-160				†
m+p Xylene	20.7	2.0	µg/L	20.0		104	70-130				
o-Xylene	10.1	1.0	µg/L	10.0		101	70-130				
Xylenes (total)	30.8	1.0	µg/L	30.0		103	0-200				
Surrogate: 1,2-Dichloroethane-d4	*24.2*		µg/L	25.0		96.7	70-130				
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.6	70-130				
Surrogate: 4-Bromofluorobenzene	*24.4*		µg/L	25.0		97.8	70-130				
LCS Dup (B340908-BSD1)				Prepared & Analyzed: 05/22/23							
Acetone	90.9	50	µg/L	100		90.9	70-160	6.59	25		†
Benzene	11.3	1.0	µg/L	10.0		113	70-130	2.27	25		
Bromochloromethane	11.5	1.0	µg/L	10.0		115	70-130	0.348	25		
Bromodichloromethane	9.59	0.50	µg/L	10.0		95.9	70-130	0.727	25		
Bromoform	7.35	1.0	µg/L	10.0		73.5	70-130	2.29	25	V-05	
Bromomethane	12.5	2.0	µg/L	10.0		125	40-160	4.37	25	V-20	†
2-Butanone (MEK)	105	20	µg/L	100		105	40-160	4.50	25		†
tert-Butyl Alcohol (TBA)	79.3	20	µg/L	100		79.3	40-160	5.07	25		†
Carbon Disulfide	88.9	5.0	µg/L	100		88.9	70-130	1.93	25		
Carbon Tetrachloride	9.91	5.0	µg/L	10.0		99.1	70-130	2.14	25		
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	1.75	25		
Chlorodibromomethane	8.95	0.50	µg/L	10.0		89.5	70-130	0.890	25		
Chloroethane	9.83	2.0	µg/L	10.0		98.3	70-130	0.306	25		
Chloroform	10.5	2.0	µg/L	10.0		105	70-130	0.287	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 B340908 - SW-846 5030B											
LCS Dup (B340908-BSD1)				Prepared & Analyzed: 05/22/23							
Chloromethane	10.5	2.0	µg/L	10.0		105	40-160	7.31	25		†
Cyclohexane	10.4	5.0	µg/L	10.0		104	70-130	0.768	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.15	5.0	µg/L	10.0		81.5	70-130	3.02	25		
1,2-Dibromoethane (EDB)	9.98	0.50	µg/L	10.0		99.8	70-130	1.10	25		
1,2-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	3.11	25		
1,3-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	2.35	25		
1,4-Dichlorobenzene	9.87	1.0	µg/L	10.0		98.7	70-130	0.406	25		
Dichlorodifluoromethane (Freon 12)	10.1	2.0	µg/L	10.0		101	40-160	0.598	25		†
1,1-Dichloroethane	10.7	1.0	µg/L	10.0		107	70-130	2.36	25		
1,2-Dichloroethane	9.63	1.0	µg/L	10.0		96.3	70-130	0.724	25		
1,1-Dichloroethylene	9.63	1.0	µg/L	10.0		96.3	70-130	0.312	25		
cis-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	1.66	25		
trans-1,2-Dichloroethylene	9.46	1.0	µg/L	10.0		94.6	70-130	1.47	25		
1,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	70-130	2.79	25		
cis-1,3-Dichloropropene	9.70	0.50	µg/L	10.0		97.0	70-130	1.03	25		
trans-1,3-Dichloropropene	9.20	0.50	µg/L	10.0		92.0	70-130	3.21	25		
1,4-Dioxane	81.6	50	µg/L	100		81.6	40-130	11.1	50		† ‡
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	2.72	25		
2-Hexanone (MBK)	90.8	10	µg/L	100		90.8	70-160	7.05	25		†
Isopropylbenzene (Cumene)	9.71	1.0	µg/L	10.0		97.1	70-130	2.24	25		
Methyl Acetate	7.84	1.0	µg/L	10.0		78.4	70-130	0.255	25	V-05	
Methyl tert-Butyl Ether (MTBE)	9.63	1.0	µg/L	10.0		96.3	70-130	3.27	25		
Methyl Cyclohexane	10.3	1.0	µg/L	10.0		103	70-130	2.01	25		
Methylene Chloride	9.90	5.0	µg/L	10.0		99.0	70-130	1.10	25		
4-Methyl-2-pentanone (MIBK)	91.2	10	µg/L	100		91.2	70-160	3.92	25		†
Styrene	10.2	1.0	µg/L	10.0		102	70-130	1.95	25		
1,1,2,2-Tetrachloroethane	9.39	0.50	µg/L	10.0		93.9	70-130	4.17	25		
Tetrachloroethylene	10.0	1.0	µg/L	10.0		100	70-130	0.993	25		
Toluene	10.6	1.0	µg/L	10.0		106	70-130	1.43	25		
1,2,3-Trichlorobenzene	10.2	5.0	µg/L	10.0		102	70-130	1.18	25		
1,2,4-Trichlorobenzene	9.86	1.0	µg/L	10.0		98.6	70-130	1.53	25		
1,1,1-Trichloroethane	9.91	1.0	µg/L	10.0		99.1	70-130	1.80	25		
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130	0.195	25		
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	1.78	25		
Trichlorofluoromethane (Freon 11)	9.56	2.0	µg/L	10.0		95.6	70-130	1.37	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.70	1.0	µg/L	10.0		97.0	70-130	4.04	25		
Vinyl Chloride	11.0	2.0	µg/L	10.0		110	40-160	2.29	25		†
m+p Xylene	19.9	2.0	µg/L	20.0		99.7	70-130	3.79	25		
o-Xylene	9.80	1.0	µg/L	10.0		98.0	70-130	3.41	25		
Xylenes (total)	29.7	1.0	µg/L	30.0		99.1	0-200	3.66			
Surrogate: 1,2-Dichloroethane-d4	*24.2*		µg/L	25.0		96.6	70-130				
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101	70-130				
Surrogate: 4-Bromofluorobenzene	*24.2*		µg/L	25.0		97.0	70-130				

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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.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
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. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
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
tert-Butyl Alcohol (TBA)	ME,NH,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
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,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
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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023

RAMBOLL

Chain of Custody / Analysis Report

23F2399

KAM

Sampler(s): (Signature)	Liam Blake
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 Q2 Sampling
Location:	Old Bethpage, New York

Laboratory: Pace Analytical Services 39 Spruce St., East Longmeadow, MA 01028

Attn: RJ McCarthy

Phone: 413-525-2332

Holding Time:

Package Requirement: Level 2 and Level 3

EDD Format: EQuIS 4-file

Laboratory Use Only

Project Number:

Job Number:

Laboratory ID:

Lab Sample ID:

Analysis Required

Preservatives: (see key at bottom)

| | Sample Identification | | |

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ENV-FRM-ELON-0001 V05__Sample Receiving Checklist

Log In Back-Sheet

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

Pace
PEOPLE ADVANCING SCIENCE

Client Rambo 11

Project Claremont Polychemical Site 02

MCP/RCP Required —

Deliverable Package Requirement level 2 / level 3

Location Old Bethpage, NY

PWSID# (When Applicable) —

Arrival Method:

Courier ☐ Fed Ex ☑ Walk In ☐ Other ☐

Received By / Date / Time AM 5-17-23 9:40

Back-Sheet By / Date / Time SJB 5-17-23 15:35

Temperature Method Gun # 5

Temp ☑ < 6° C Actual Temperature 2.2

Rush Samples: Yes (No) Notify

Short Hold: Yes (No) Notify

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☐	☑
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client	☑	Analysis	☑	Sampler Name	☑
Project	☑	IDs	☑	Collection Date/Time	☑

All Samples Proper pH: (N/A) ☐ ☐

Notes regarding Samples/COC outside of SOP:

Additional Container Notes

Sample	Soils Jars (Circle Amb/Clear)				Ambers						Plastics										VOA Vials						Other / Fill in					
					1 Liter			250mL			1 Liter		500mL		250mL																	
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	Unpreserved	HCL	Sulfuric	Sulfuric	Phosphoric	HCl	100mL Unpreserved	Unpreserved	Sulfuric	Unpreserved	Sulfuric	Unpreserved	Trizma	Sulfuric	Nitric	NaOH	NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	Bisulfate	Col/Bact					
1																							2									
2																							1									
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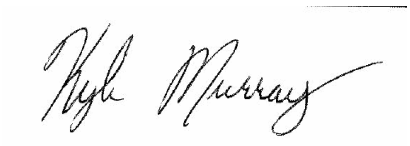
May 29, 2023

Michael Grifasi
NYDEC_Ramboll US Consulting, Inc. - Syracuse
333 West Washington Street, PO Box 4873
Syracuse, NY 13221

Project Location: Old Bethpage, New York
Client Job Number:
Project Number: 130015
Laboratory Work Order Number: 23E2403

Enclosed are results of analyses for samples as received by the laboratory on May 17, 2023. 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 13221
ATTN: Michael Grifasi

REPORT DATE: 5/29/2023

PURCHASE ORDER NUMBER: 144165

PROJECT NUMBER: 130015

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23E2403

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Old Bethpage, New York

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
EW1C-CP-00-051623	23E2403-01	Ground Water		SW-846 8260D	
EW2A-CP-00-051623	23E2403-02	Ground Water		SW-846 8260D	
EW2B-CP-00-051623	23E2403-03	Ground Water		SW-846 8260D	
EW2C-CP-00-051623	23E2403-04	Ground Water		SW-846 8260D	
EW2D-CP-00-051623	23E2403-05	Ground Water		SW-846 8260D	
EW4A-CP-00-051523	23E2403-06	Ground Water		SW-846 8260D	
EW4B-CP-00-051523	23E2403-07	Ground Water		SW-846 8260D	
EW4C-CP-00-051523	23E2403-08	Ground Water		SW-846 8260D	
EW4D-CP-00-051523	23E2403-09	Ground Water		SW-846 8260D	
EW5-CP-00-051623	23E2403-10	Ground Water		SW-846 8260D	
EW7C-CP-00-051623	23E2403-11	Ground Water		SW-846 8260D	
EW7D-CP-00-051623	23E2403-12	Ground Water		SW-846 8260D	
EW11D-CP-00-051523	23E2403-13	Ground Water		SW-846 8260D	
EW12D-CP-00-051523	23E2403-14	Ground Water		SW-846 8260D	

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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:

23E2403-11[EW7C-CP-00-051623], 23E2403-13[EW11D-CP-00-051523], 23E2403-14[EW12D-CP-00-051523]

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:

Bromoform

23E2403-01[EW1C-CP-00-051623], 23E2403-02[EW2A-CP-00-051623], 23E2403-03[EW2B-CP-00-051623], 23E2403-04[EW2C-CP-00-051623], 23E2403-05[EW2D-CP-00-051623], 23E2403-06[EW4A-CP-00-051523], 23E2403-07[EW4B-CP-00-051523], 23E2403-08[EW4C-CP-00-051523], 23E2403-09[EW4D-CP-00-051523], 23E2403-10[EW5-CP-00-051623], 23E2403- 11[EW7C-CP-00-051623], 23E2403-12[EW7D-CP-00-051623], 23E2403-13[EW11D-CP-00-051523], 23E2403-14[EW12D-CP-00-051523], B340908-BLK1, B340908-BS1, B340908-BSD1, B340912-BLK1, B340912-BS1, B340912-BSD1, S087862-CCV1, S087955-CCV1

Methyl Acetate

23E2403-01[EW1C-CP-00-051623], 23E2403-02[EW2A-CP-00-051623], 23E2403-03[EW2B-CP-00-051623], 23E2403-04[EW2C-CP-00-051623], 23E2403-05[EW2D-CP-00-051623], 23E2403-06[EW4A-CP-00-051523], 23E2403-07[EW4B-CP-00-051523], 23E2403-08[EW4C-CP-00-051523], 23E2403-09[EW4D-CP-00-051523], 23E2403-10[EW5-CP-00-051623], 23E2403- 11[EW7C-CP-00-051623], 23E2403-12[EW7D-CP-00-051623], 23E2403-13[EW11D-CP-00-051523], 23E2403-14[EW12D-CP-00-051523], B340908-BLK1, B340908-BS1, B340908-BSD1, B340912-BLK1, B340912-BS1, B340912-BSD1, S087862-CCV1, S087955-CCV1

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:

Bromomethane

B340908-BS1, B340908-BSD1, S087862-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, 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

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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: 23E2403

Date Received: 5/17/2023

Field Sample #: EW1C-CP-00-051623 | Sampled: 5/16/2023 13:05

Sample ID: 23E2403-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	27	50	2.0	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
tert-Butyl Alcohol (TBA)	12	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2403

Date Received: 5/17/2023

Field Sample #: EW1C-CP-00-051623 | Sampled: 5/16/2023 13:05

Sample ID: 23E2403-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Trichloroethylene	0.76	1.0	0.17	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:27	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	98.6	70-130		5/23/23 5:27	
Toluene-d8	97.1	70-130		5/23/23 5:27	
4-Bromofluorobenzene	92.0	70-130		5/23/23 5:27	

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2403

Date Received: 5/17/2023

Field Sample #: EW2A-CP-00-051623 | Sampled: 5/16/2023 09:05

Sample ID: 23E2403-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	62	50	2.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
2-Butanone (MEK)	3.6	20	1.7	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 5:53	MFF
tert-Butyl Alcohol (TBA)	12	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2403

Date Received: 5/17/2023

Field Sample #: EW2A-CP-00-051623 | Sampled: 5/16/2023 09:05

Sample ID: 23E2403-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Trichloroethylene	0.42	1.0	0.17	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 5:53	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	98.8	70-130		5/23/23 5:53	
Toluene-d8	98.8	70-130		5/23/23 5:53	
4-Bromofluorobenzene	90.8	70-130		5/23/23 5:53	

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2403

Date Received: 5/17/2023

Field Sample #: EW2B-CP-00-051623 | Sampled: 5/16/2023 09:00

Sample ID: 23E2403-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	30	50	2.0	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
tert-Butyl Alcohol (TBA)	4.7	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2403

Date Received: 5/17/2023

Field Sample #: EW2B-CP-00-051623 | Sampled: 5/16/2023 09:00

Sample ID: 23E2403-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Trichloroethylene	0.23	1.0	0.17	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:20	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.8	70-130		5/23/23 6:20
Toluene-d8	97.6	70-130		5/23/23 6:20
4-Bromofluorobenzene	92.4	70-130		5/23/23 6:20

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2403

Date Received: 5/17/2023

Field Sample #: EW2C-CP-00-051623 | Sampled: 5/16/2023 08:55

Sample ID: 23E2403-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	53	50	2.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
2-Butanone (MEK)	2.4	20	1.7	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 6:47	MFF
tert-Butyl Alcohol (TBA)	11	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
cis-1,2-Dichloroethylene	0.30	1.0	0.14	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 6:47	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2403

Date Received: 5/17/2023

Field Sample #: EW2C-CP-00-051623 | Sampled: 5/16/2023 08:55

Sample ID: 23E2403-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Trichloroethylene	2.3	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 6:47	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	100	70-130		5/23/23 6:47
Toluene-d8	97.3	70-130		5/23/23 6:47
4-Bromofluorobenzene	91.9	70-130		5/23/23 6:47

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2403

Date Received: 5/17/2023

Field Sample #: EW2D-CP-00-051623 | Sampled: 5/16/2023 08:45

Sample ID: 23E2403-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	69	50	2.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
2-Butanone (MEK)	4.4	20	1.7	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 7:14	MFF
tert-Butyl Alcohol (TBA)	12	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Tetrachloroethylene	0.43	1.0	0.17	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2403

Date Received: 5/17/2023

Field Sample #: EW2D-CP-00-051623 | Sampled: 5/16/2023 08:45

Sample ID: 23E2403-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:14	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	97.4	70-130		5/23/23 7:14	
Toluene-d8	98.0	70-130		5/23/23 7:14	
4-Bromofluorobenzene	93.3	70-130		5/23/23 7:14	

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2403

Date Received: 5/17/2023

Field Sample #: EW4A-CP-00-051523 | Sampled: 5/15/2023 16:20

Sample ID: 23E2403-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	380	50	2.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
2-Butanone (MEK)	6.1	20	1.7	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 8:34	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
cis-1,2-Dichloroethylene	48	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Tetrachloroethylene	23	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2403

Date Received: 5/17/2023

Field Sample #: EW4A-CP-00-051523 | Sampled: 5/15/2023 16:20

Sample ID: 23E2403-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Trichloroethylene	3.5	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:34	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.2	70-130		5/23/23 8:34
Toluene-d8	98.1	70-130		5/23/23 8:34
4-Bromofluorobenzene	93.3	70-130		5/23/23 8:34

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2403

Date Received: 5/17/2023

Field Sample #: EW4B-CP-00-051523 | Sampled: 5/15/2023 16:15

Sample ID: 23E2403-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	18	50	2.0	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
tert-Butyl Alcohol (TBA)	5.4	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
cis-1,2-Dichloroethylene	0.68	1.0	0.14	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 7:40	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Tetrachloroethylene	1.0	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2403

Date Received: 5/17/2023

Field Sample #: EW4B-CP-00-051523 | Sampled: 5/15/2023 16:15

Sample ID: 23E2403-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Trichloroethylene	3.4	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 7:40	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		5/23/23 7:40
Toluene-d8	101	70-130		5/23/23 7:40
4-Bromofluorobenzene	90.6	70-130		5/23/23 7:40

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2403

Date Received: 5/17/2023

Field Sample #: EW4C-CP-00-051523 | Sampled: 5/15/2023 16:10

Sample ID: 23E2403-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	370	50	2.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
2-Butanone (MEK)	3.7	20	1.7	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 8:07	MFF
tert-Butyl Alcohol (TBA)	8.3	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
cis-1,2-Dichloroethylene	0.31	1.0	0.14	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 8:07	MFF
trans-1,2-Dichloroethylene	1.2	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Tetrachloroethylene	1.9	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2403

Date Received: 5/17/2023

Field Sample #: EW4C-CP-00-051523 | Sampled: 5/15/2023 16:10

Sample ID: 23E2403-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Trichloroethylene	19	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 8:07	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.3	70-130		5/23/23 8:07
Toluene-d8	97.9	70-130		5/23/23 8:07
4-Bromofluorobenzene	92.0	70-130		5/23/23 8:07

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2403

Date Received: 5/17/2023

Field Sample #: EW4D-CP-00-051523 | Sampled: 5/15/2023 16:05

Sample ID: 23E2403-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	240	50	2.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
tert-Butyl Alcohol (TBA)	7.4	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Tetrachloroethylene	0.60	1.0	0.17	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2403

Date Received: 5/17/2023

Field Sample #: EW4D-CP-00-051523 | Sampled: 5/15/2023 16:05

Sample ID: 23E2403-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:12	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.2	70-130		5/23/23 12:12
Toluene-d8	98.9	70-130		5/23/23 12:12
4-Bromofluorobenzene	93.8	70-130		5/23/23 12:12

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2403

Date Received: 5/17/2023

Field Sample #: EW5-CP-00-051623 | Sampled: 5/16/2023 12:50

Sample ID: 23E2403-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	68	50	2.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
2-Butanone (MEK)	3.7	20	1.7	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 12:39	MFF
tert-Butyl Alcohol (TBA)	12	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2403

Date Received: 5/17/2023

Field Sample #: EW5-CP-00-051623 | Sampled: 5/16/2023 12:50

Sample ID: 23E2403-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Trichloroethylene	0.96	1.0	0.17	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 12:39	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.5	70-130		5/23/23 12:39
Toluene-d8	99.4	70-130		5/23/23 12:39
4-Bromofluorobenzene	92.8	70-130		5/23/23 12:39

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2403

Date Received: 5/17/2023

Field Sample #: EW7C-CP-00-051623 | Sampled: 5/16/2023 13:30

Sample ID: 23E2403-11

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	90	200	8.0	µg/L	4	J	SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Benzene	ND	4.0	0.74	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Bromochloromethane	ND	4.0	1.1	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Bromodichloromethane	ND	2.0	0.63	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Bromoform	ND	4.0	1.6	µg/L	4	V-05	SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Bromomethane	ND	8.0	5.3	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
2-Butanone (MEK)	ND	80	6.7	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
tert-Butyl Alcohol (TBA)	ND	80	17	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Carbon Disulfide	ND	20	6.2	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Carbon Tetrachloride	ND	20	0.65	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Chlorobenzene	ND	4.0	0.48	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Chlorodibromomethane	ND	2.0	0.80	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Chloroethane	ND	8.0	1.4	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Chloroform	ND	8.0	0.56	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Chloromethane	ND	8.0	2.0	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Cyclohexane	ND	20	7.1	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	3.4	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
1,2-Dibromoethane (EDB)	ND	2.0	0.64	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
1,2-Dichlorobenzene	ND	4.0	0.52	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
1,3-Dichlorobenzene	ND	4.0	0.55	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
1,4-Dichlorobenzene	ND	4.0	0.51	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Dichlorodifluoromethane (Freon 12)	ND	8.0	0.64	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
1,1-Dichloroethane	ND	4.0	0.55	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
1,2-Dichloroethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
1,1-Dichloroethylene	ND	4.0	0.56	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
cis-1,2-Dichloroethylene	3.0	4.0	0.56	µg/L	4	J	SW-846 8260D	5/22/23	5/23/23 18:25	MFF
trans-1,2-Dichloroethylene	ND	4.0	0.69	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
1,2-Dichloropropane	ND	4.0	0.77	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
cis-1,3-Dichloropropene	ND	2.0	0.65	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
trans-1,3-Dichloropropene	ND	2.0	0.57	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
1,4-Dioxane	ND	200	72	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Ethylbenzene	ND	4.0	0.88	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
2-Hexanone (MBK)	ND	40	4.8	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Isopropylbenzene (Cumene)	ND	4.0	0.60	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Methyl Acetate	23	4.0	2.4	µg/L	4	V-05	SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Methyl tert-Butyl Ether (MTBE)	ND	4.0	0.68	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Methyl Cyclohexane	2.0	4.0	0.62	µg/L	4	J	SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Methylene Chloride	ND	20	0.71	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
4-Methyl-2-pentanone (MIBK)	ND	40	5.3	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Styrene	ND	4.0	0.60	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
1,1,2,2-Tetrachloroethane	ND	2.0	0.55	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Tetrachloroethylene	12	4.0	0.67	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Toluene	ND	4.0	0.89	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
1,2,3-Trichlorobenzene	ND	20	1.4	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2403

Date Received: 5/17/2023

Field Sample #: EW7C-CP-00-051623 | Sampled: 5/16/2023 13:30

Sample ID: 23E2403-11

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	4.0	1.2	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
1,1,1-Trichloroethane	ND	4.0	0.60	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
1,1,2-Trichloroethane	ND	4.0	0.76	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Trichloroethylene	200	4.0	0.70	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Trichlorofluoromethane (Freon 11)	ND	8.0	0.62	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0	0.83	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Vinyl Chloride	ND	8.0	0.95	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF
Xylenes (total)	ND	4.0	4.0	µg/L	4		SW-846 8260D	5/22/23	5/23/23 18:25	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		5/23/23 18:25
Toluene-d8	99.9	70-130		5/23/23 18:25
4-Bromofluorobenzene	92.8	70-130		5/23/23 18:25

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2403

Date Received: 5/17/2023

Field Sample #: EW7D-CP-00-051623 | Sampled: 5/16/2023 13:35

Sample ID: 23E2403-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	41	50	2.0	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
2-Butanone (MEK)	2.2	20	1.7	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 17:59	MFF
tert-Butyl Alcohol (TBA)	12	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Tetrachloroethylene	0.87	1.0	0.17	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2403

Date Received: 5/17/2023

Field Sample #: EW7D-CP-00-051623 | Sampled: 5/16/2023 13:35

Sample ID: 23E2403-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Trichloroethylene	0.28	1.0	0.17	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:59	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		5/23/23 17:59
Toluene-d8	100	70-130		5/23/23 17:59
4-Bromofluorobenzene	93.3	70-130		5/23/23 17:59

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2403

Date Received: 5/17/2023

Field Sample #: EW11D-CP-00-051523 | Sampled: 5/15/2023 14:05

Sample ID: 23E2403-13

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	18	100	4.0	µg/L	2	J	SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Benzene	ND	2.0	0.37	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Bromochloromethane	ND	2.0	0.57	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Bromodichloromethane	ND	1.0	0.32	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Bromoform	ND	2.0	0.82	µg/L	2	V-05	SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Bromomethane	ND	4.0	2.6	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
2-Butanone (MEK)	ND	40	3.4	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
tert-Butyl Alcohol (TBA)	ND	40	8.5	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Carbon Disulfide	ND	10	3.1	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Chlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Chlorodibromomethane	ND	1.0	0.40	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Chloroethane	ND	4.0	0.68	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Chloroform	ND	4.0	0.28	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Chloromethane	ND	4.0	1.0	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Cyclohexane	ND	10	3.5	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.7	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
1,2-Dibromoethane (EDB)	ND	1.0	0.32	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
1,2-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
1,3-Dichlorobenzene	ND	2.0	0.27	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.32	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
1,1-Dichloroethane	3.0	2.0	0.27	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
1,2-Dichloroethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
1,1-Dichloroethylene	19	2.0	0.28	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
cis-1,2-Dichloroethylene	4.8	2.0	0.28	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
trans-1,2-Dichloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
1,2-Dichloropropane	ND	2.0	0.39	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
cis-1,3-Dichloropropene	ND	1.0	0.33	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
trans-1,3-Dichloropropene	ND	1.0	0.28	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
1,4-Dioxane	ND	100	36	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Ethylbenzene	ND	2.0	0.44	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
2-Hexanone (MBK)	ND	20	2.4	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Isopropylbenzene (Cumene)	ND	2.0	0.30	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Methyl Acetate	ND	2.0	1.2	µg/L	2	V-05	SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Methyl Cyclohexane	ND	2.0	0.31	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Methylene Chloride	ND	10	0.35	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Styrene	ND	2.0	0.30	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
1,1,2,2-Tetrachloroethane	ND	1.0	0.27	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Tetrachloroethylene	34	2.0	0.34	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Toluene	ND	2.0	0.45	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
1,2,3-Trichlorobenzene	ND	10	0.68	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2403

Date Received: 5/17/2023

Field Sample #: EW11D-CP-00-051523 | Sampled: 5/15/2023 14:05

Sample ID: 23E2403-13

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	2.0	0.60	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
1,1,1-Trichloroethane	10	2.0	0.30	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
1,1,2-Trichloroethane	ND	2.0	0.38	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Trichloroethylene	120	2.0	0.35	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Trichlorofluoromethane (Freon 11)	ND	4.0	0.31	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.70	2.0	0.42	µg/L	2	J	SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Vinyl Chloride	ND	4.0	0.47	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF
Xylenes (total)	ND	2.0	2.0	µg/L	2		SW-846 8260D	5/22/23	5/23/23 18:52	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	100	70-130		5/23/23 18:52
Toluene-d8	99.9	70-130		5/23/23 18:52
4-Bromofluorobenzene	92.5	70-130		5/23/23 18:52

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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: 23E2403

Date Received: 5/17/2023

Field Sample #: EW12D-CP-00-051523 | Sampled: 5/15/2023 14:20

Sample ID: 23E2403-14

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	22	200	8.0	µg/L	4	J	SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Benzene	ND	4.0	0.74	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Bromochloromethane	ND	4.0	1.1	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Bromodichloromethane	ND	2.0	0.63	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Bromoform	ND	4.0	1.6	µg/L	4	V-05	SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Bromomethane	ND	8.0	5.3	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
2-Butanone (MEK)	21	80	6.7	µg/L	4	J	SW-846 8260D	5/22/23	5/23/23 19:18	MFF
tert-Butyl Alcohol (TBA)	ND	80	17	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Carbon Disulfide	ND	20	6.2	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Carbon Tetrachloride	ND	20	0.65	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Chlorobenzene	ND	4.0	0.48	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Chlorodibromomethane	ND	2.0	0.80	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Chloroethane	ND	8.0	1.4	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Chloroform	ND	8.0	0.56	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Chloromethane	ND	8.0	2.0	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Cyclohexane	ND	20	7.1	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	3.4	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
1,2-Dibromoethane (EDB)	ND	2.0	0.64	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
1,2-Dichlorobenzene	ND	4.0	0.52	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
1,3-Dichlorobenzene	ND	4.0	0.55	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
1,4-Dichlorobenzene	ND	4.0	0.51	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Dichlorodifluoromethane (Freon 12)	ND	8.0	0.64	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
1,1-Dichloroethane	ND	4.0	0.55	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
1,2-Dichloroethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
1,1-Dichloroethylene	ND	4.0	0.56	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
cis-1,2-Dichloroethylene	5.2	4.0	0.56	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
trans-1,2-Dichloroethylene	ND	4.0	0.69	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
1,2-Dichloropropane	ND	4.0	0.77	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
cis-1,3-Dichloropropene	ND	2.0	0.65	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
trans-1,3-Dichloropropene	ND	2.0	0.57	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
1,4-Dioxane	ND	200	72	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Ethylbenzene	ND	4.0	0.88	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
2-Hexanone (MBK)	ND	40	4.8	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Isopropylbenzene (Cumene)	ND	4.0	0.60	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Methyl Acetate	ND	4.0	2.4	µg/L	4	V-05	SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Methyl tert-Butyl Ether (MTBE)	1.0	4.0	0.68	µg/L	4	J	SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Methyl Cyclohexane	ND	4.0	0.62	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Methylene Chloride	ND	20	0.71	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
4-Methyl-2-pentanone (MIBK)	ND	40	5.3	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Styrene	ND	4.0	0.60	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
1,1,2,2-Tetrachloroethane	ND	2.0	0.55	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Tetrachloroethylene	10	4.0	0.67	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Toluene	ND	4.0	0.89	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
1,2,3-Trichlorobenzene	ND	20	1.4	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF

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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: 23E2403

Date Received: 5/17/2023

Field Sample #: EW12D-CP-00-051523 | Sampled: 5/15/2023 14:20

Sample ID: 23E2403-14

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	4.0	1.2	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
1,1,1-Trichloroethane	ND	4.0	0.60	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
1,1,2-Trichloroethane	ND	4.0	0.76	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Trichloroethylene	220	4.0	0.70	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Trichlorofluoromethane (Freon 11)	ND	8.0	0.62	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0	0.83	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Vinyl Chloride	ND	8.0	0.95	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF
Xylenes (total)	ND	4.0	4.0	µg/L	4		SW-846 8260D	5/22/23	5/23/23 19:18	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.9	70-130		5/23/23 19:18
Toluene-d8	101	70-130		5/23/23 19:18
4-Bromofluorobenzene	92.9	70-130		5/23/23 19:18

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23E2403-01 [EW1C-CP-00-051623]	B340908	5	5.00	05/22/23
23E2403-02 [EW2A-CP-00-051623]	B340908	5	5.00	05/22/23
23E2403-03 [EW2B-CP-00-051623]	B340908	5	5.00	05/22/23
23E2403-04 [EW2C-CP-00-051623]	B340908	5	5.00	05/22/23
23E2403-05 [EW2D-CP-00-051623]	B340908	5	5.00	05/22/23
23E2403-06 [EW4A-CP-00-051523]	B340908	5	5.00	05/22/23
23E2403-07 [EW4B-CP-00-051523]	B340908	5	5.00	05/22/23
23E2403-08 [EW4C-CP-00-051523]	B340908	5	5.00	05/22/23

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23E2403-09 [EW4D-CP-00-051523]	B340912	5	5.00	05/22/23
23E2403-10 [EW5-CP-00-051623]	B340912	5	5.00	05/22/23
23E2403-11 [EW7C-CP-00-051623]	B340912	1.25	5.00	05/22/23
23E2403-12 [EW7D-CP-00-051623]	B340912	5	5.00	05/22/23
23E2403-13 [EW11D-CP-00-051523]	B340912	2.5	5.00	05/22/23
23E2403-14 [EW12D-CP-00-051523]	B340912	1.25	5.00	05/22/23

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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 B340908 - SW-846 5030B										
Blank (B340908-BLK1)				Prepared & Analyzed: 05/22/23						
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							V-05
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	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							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							V-05
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							
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							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	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 B340908 - SW-846 5030B											
Blank (B340908-BLK1)				Prepared & Analyzed: 05/22/23							
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	*25.4*		µg/L	25.0		101	70-130				
Surrogate: Toluene-d8	*25.1*		µg/L	25.0		100	70-130				
Surrogate: 4-Bromofluorobenzene	*23.5*		µg/L	25.0		94.2	70-130				
LCS (B340908-BS1)				Prepared & Analyzed: 05/22/23							
Acetone	97.1	50	µg/L	100		97.1	70-160				†
Benzene	11.6	1.0	µg/L	10.0		116	70-130				
Bromochloromethane	11.5	1.0	µg/L	10.0		115	70-130				
Bromodichloromethane	9.66	0.50	µg/L	10.0		96.6	70-130				
Bromoform	7.52	1.0	µg/L	10.0		75.2	70-130			V-05	
Bromomethane	13.1	2.0	µg/L	10.0		131	40-160			V-20	†
2-Butanone (MEK)	110	20	µg/L	100		110	40-160				†
tert-Butyl Alcohol (TBA)	83.5	20	µg/L	100		83.5	40-160				†
Carbon Disulfide	90.6	5.0	µg/L	100		90.6	70-130				
Carbon Tetrachloride	9.70	5.0	µg/L	10.0		97.0	70-130				
Chlorobenzene	10.4	1.0	µg/L	10.0		104	70-130				
Chlorodibromomethane	9.03	0.50	µg/L	10.0		90.3	70-130				
Chloroethane	9.80	2.0	µg/L	10.0		98.0	70-130				
Chloroform	10.4	2.0	µg/L	10.0		104	70-130				
Chloromethane	9.75	2.0	µg/L	10.0		97.5	40-160				†
Cyclohexane	10.5	5.0	µg/L	10.0		105	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	8.40	5.0	µg/L	10.0		84.0	70-130				
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101	70-130				
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130				
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130				
1,4-Dichlorobenzene	9.83	1.0	µg/L	10.0		98.3	70-130				
Dichlorodifluoromethane (Freon 12)	10.0	2.0	µg/L	10.0		100	40-160				†
1,1-Dichloroethane	10.5	1.0	µg/L	10.0		105	70-130				
1,2-Dichloroethane	9.70	1.0	µg/L	10.0		97.0	70-130				
1,1-Dichloroethylene	9.60	1.0	µg/L	10.0		96.0	70-130				
cis-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130				
trans-1,2-Dichloroethylene	9.60	1.0	µg/L	10.0		96.0	70-130				
1,2-Dichloropropane	10.3	1.0	µg/L	10.0		103	70-130				
cis-1,3-Dichloropropene	9.80	0.50	µg/L	10.0		98.0	70-130				
trans-1,3-Dichloropropene	9.50	0.50	µg/L	10.0		95.0	70-130				
1,4-Dioxane	91.1	50	µg/L	100		91.1	40-130				†
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130				
2-Hexanone (MBK)	97.4	10	µg/L	100		97.4	70-160				†
Isopropylbenzene (Cumene)	9.93	1.0	µg/L	10.0		99.3	70-130				
Methyl Acetate	7.86	1.0	µg/L	10.0		78.6	70-130			V-05	
Methyl tert-Butyl Ether (MTBE)	9.95	1.0	µg/L	10.0		99.5	70-130				
Methyl Cyclohexane	10.5	1.0	µg/L	10.0		105	70-130				
Methylene Chloride	10.0	5.0	µg/L	10.0		100	70-130				
4-Methyl-2-pentanone (MIBK)	94.8	10	µg/L	100		94.8	70-160				†
Styrene	10.4	1.0	µg/L	10.0		104	70-130				
1,1,2,2-Tetrachloroethane	9.79	0.50	µg/L	10.0		97.9	70-130				
Tetrachloroethylene	10.1	1.0	µg/L	10.0		101	70-130				
Toluene	10.4	1.0	µg/L	10.0		104	70-130				
1,2,3-Trichlorobenzene	10.1	5.0	µg/L	10.0		101	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 B340908 - SW-846 5030B											
LCS (B340908-BS1)				Prepared & Analyzed: 05/22/23							
1,2,4-Trichlorobenzene	9.71	1.0	µg/L	10.0		97.1	70-130				
1,1,1-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130				
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130				
Trichloroethylene	10.0	1.0	µg/L	10.0		100	70-130				
Trichlorofluoromethane (Freon 11)	9.43	2.0	µg/L	10.0		94.3	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1	1.0	µg/L	10.0		101	70-130				
Vinyl Chloride	10.8	2.0	µg/L	10.0		108	40-160				†
m+p Xylene	20.7	2.0	µg/L	20.0		104	70-130				
o-Xylene	10.1	1.0	µg/L	10.0		101	70-130				
Xylenes (total)	30.8	1.0	µg/L	30.0		103	0-200				
Surrogate: 1,2-Dichloroethane-d4	*24.2*		µg/L	25.0		96.7	70-130				
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.6	70-130				
Surrogate: 4-Bromofluorobenzene	*24.4*		µg/L	25.0		97.8	70-130				
LCS Dup (B340908-BSD1)				Prepared & Analyzed: 05/22/23							
Acetone	90.9	50	µg/L	100		90.9	70-160	6.59	25		†
Benzene	11.3	1.0	µg/L	10.0		113	70-130	2.27	25		
Bromochloromethane	11.5	1.0	µg/L	10.0		115	70-130	0.348	25		
Bromodichloromethane	9.59	0.50	µg/L	10.0		95.9	70-130	0.727	25		
Bromoform	7.35	1.0	µg/L	10.0		73.5	70-130	2.29	25	V-05	
Bromomethane	12.5	2.0	µg/L	10.0		125	40-160	4.37	25	V-20	†
2-Butanone (MEK)	105	20	µg/L	100		105	40-160	4.50	25		†
tert-Butyl Alcohol (TBA)	79.3	20	µg/L	100		79.3	40-160	5.07	25		†
Carbon Disulfide	88.9	5.0	µg/L	100		88.9	70-130	1.93	25		
Carbon Tetrachloride	9.91	5.0	µg/L	10.0		99.1	70-130	2.14	25		
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	1.75	25		
Chlorodibromomethane	8.95	0.50	µg/L	10.0		89.5	70-130	0.890	25		
Chloroethane	9.83	2.0	µg/L	10.0		98.3	70-130	0.306	25		
Chloroform	10.5	2.0	µg/L	10.0		105	70-130	0.287	25		
Chloromethane	10.5	2.0	µg/L	10.0		105	40-160	7.31	25		†
Cyclohexane	10.4	5.0	µg/L	10.0		104	70-130	0.768	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.15	5.0	µg/L	10.0		81.5	70-130	3.02	25		
1,2-Dibromoethane (EDB)	9.98	0.50	µg/L	10.0		99.8	70-130	1.10	25		
1,2-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	3.11	25		
1,3-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	2.35	25		
1,4-Dichlorobenzene	9.87	1.0	µg/L	10.0		98.7	70-130	0.406	25		
Dichlorodifluoromethane (Freon 12)	10.1	2.0	µg/L	10.0		101	40-160	0.598	25		†
1,1-Dichloroethane	10.7	1.0	µg/L	10.0		107	70-130	2.36	25		
1,2-Dichloroethane	9.63	1.0	µg/L	10.0		96.3	70-130	0.724	25		
1,1-Dichloroethylene	9.63	1.0	µg/L	10.0		96.3	70-130	0.312	25		
cis-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	1.66	25		
trans-1,2-Dichloroethylene	9.46	1.0	µg/L	10.0		94.6	70-130	1.47	25		
1,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	70-130	2.79	25		
cis-1,3-Dichloropropene	9.70	0.50	µg/L	10.0		97.0	70-130	1.03	25		
trans-1,3-Dichloropropene	9.20	0.50	µg/L	10.0		92.0	70-130	3.21	25		
1,4-Dioxane	81.6	50	µg/L	100		81.6	40-130	11.1	50		† ‡
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	2.72	25		
2-Hexanone (MBK)	90.8	10	µg/L	100		90.8	70-160	7.05	25		†
Isopropylbenzene (Cumene)	9.71	1.0	µg/L	10.0		97.1	70-130	2.24	25		
Methyl Acetate	7.84	1.0	µg/L	10.0		78.4	70-130	0.255	25	V-05	
Methyl tert-Butyl Ether (MTBE)	9.63	1.0	µg/L	10.0		96.3	70-130	3.27	25		
Methyl Cyclohexane	10.3	1.0	µg/L	10.0		103	70-130	2.01	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 B340908 - SW-846 5030B										
LCS Dup (B340908-BSD1)				Prepared & Analyzed: 05/22/23						
Methylene Chloride	9.90	5.0	µg/L	10.0		99.0	70-130	1.10	25	
4-Methyl-2-pentanone (MIBK)	91.2	10	µg/L	100		91.2	70-160	3.92	25	†
Styrene	10.2	1.0	µg/L	10.0		102	70-130	1.95	25	
1,1,2,2-Tetrachloroethane	9.39	0.50	µg/L	10.0		93.9	70-130	4.17	25	
Tetrachloroethylene	10.0	1.0	µg/L	10.0		100	70-130	0.993	25	
Toluene	10.6	1.0	µg/L	10.0		106	70-130	1.43	25	
1,2,3-Trichlorobenzene	10.2	5.0	µg/L	10.0		102	70-130	1.18	25	
1,2,4-Trichlorobenzene	9.86	1.0	µg/L	10.0		98.6	70-130	1.53	25	
1,1,1-Trichloroethane	9.91	1.0	µg/L	10.0		99.1	70-130	1.80	25	
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130	0.195	25	
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	1.78	25	
Trichlorofluoromethane (Freon 11)	9.56	2.0	µg/L	10.0		95.6	70-130	1.37	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.70	1.0	µg/L	10.0		97.0	70-130	4.04	25	
Vinyl Chloride	11.0	2.0	µg/L	10.0		110	40-160	2.29	25	†
m+p Xylene	19.9	2.0	µg/L	20.0		99.7	70-130	3.79	25	
o-Xylene	9.80	1.0	µg/L	10.0		98.0	70-130	3.41	25	
Xylenes (total)	29.7	1.0	µg/L	30.0		99.1	0-200	3.66		
Surrogate: 1,2-Dichloroethane-d4	*24.2*		µg/L	25.0		96.6	70-130			
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*24.2*		µg/L	25.0		97.0	70-130			
Batch B340912 - SW-846 5030B										
Blank (B340912-BLK1)				Prepared: 05/22/23 Analyzed: 05/23/23						
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							V-05
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	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							

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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 B340912 - SW-846 5030B											
Blank (B340912-BLK1)				Prepared: 05/22/23 Analyzed: 05/23/23							
cis-1,3-Dichloropropene	ND	0.50	µg/L								
trans-1,3-Dichloropropene	ND	0.50	µg/L								
1,4-Dioxane	ND	50	µg/L								
Ethylbenzene	ND	1.0	µg/L								
2-Hexanone (MBK)	ND	10	µg/L								
Isopropylbenzene (Cumene)	ND	1.0	µg/L								
Methyl Acetate	ND	1.0	µg/L							V-05	
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								
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								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	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	*24.2*		µg/L	25.0		97.0	70-130				
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.7	70-130				
Surrogate: 4-Bromofluorobenzene	*23.3*		µg/L	25.0		93.1	70-130				
LCS (B340912-BS1)				Prepared: 05/22/23 Analyzed: 05/23/23							
Acetone	88.6	50	µg/L	100		88.6	70-160				†
Benzene	11.3	1.0	µg/L	10.0		113	70-130				
Bromochloromethane	11.1	1.0	µg/L	10.0		111	70-130				
Bromodichloromethane	9.61	0.50	µg/L	10.0		96.1	70-130				
Bromoform	7.37	1.0	µg/L	10.0		73.7	70-130			V-05	
Bromomethane	11.6	2.0	µg/L	10.0		116	40-160				†
2-Butanone (MEK)	103	20	µg/L	100		103	40-160				†
tert-Butyl Alcohol (TBA)	74.7	20	µg/L	100		74.7	40-160				†
Carbon Disulfide	99.0	5.0	µg/L	100		99.0	70-130				
Carbon Tetrachloride	9.62	5.0	µg/L	10.0		96.2	70-130				
Chlorobenzene	10.4	1.0	µg/L	10.0		104	70-130				
Chlorodibromomethane	9.03	0.50	µg/L	10.0		90.3	70-130				
Chloroethane	9.91	2.0	µg/L	10.0		99.1	70-130				
Chloroform	10.2	2.0	µg/L	10.0		102	70-130				
Chloromethane	10.5	2.0	µg/L	10.0		105	40-160				†
Cyclohexane	10.6	5.0	µg/L	10.0		106	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	7.96	5.0	µg/L	10.0		79.6	70-130				
1,2-Dibromoethane (EDB)	10.0	0.50	µg/L	10.0		100	70-130				
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130				
1,3-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130				
1,4-Dichlorobenzene	9.91	1.0	µg/L	10.0		99.1	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 B340912 - SW-846 5030B											
LCS (B340912-BS1)				Prepared: 05/22/23 Analyzed: 05/23/23							
Dichlorodifluoromethane (Freon 12)	10.7	2.0	µg/L	10.0		107	40-160				†
1,1-Dichloroethane	10.4	1.0	µg/L	10.0		104	70-130				
1,2-Dichloroethane	9.45	1.0	µg/L	10.0		94.5	70-130				
1,1-Dichloroethylene	9.61	1.0	µg/L	10.0		96.1	70-130				
cis-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130				
trans-1,2-Dichloroethylene	9.83	1.0	µg/L	10.0		98.3	70-130				
1,2-Dichloropropane	10.4	1.0	µg/L	10.0		104	70-130				
cis-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103	70-130				
trans-1,3-Dichloropropene	9.70	0.50	µg/L	10.0		97.0	70-130				
1,4-Dioxane	85.5	50	µg/L	100		85.5	40-130				†
Ethylbenzene	10.5	1.0	µg/L	10.0		105	70-130				
2-Hexanone (MBK)	90.9	10	µg/L	100		90.9	70-160				†
Isopropylbenzene (Cumene)	10.2	1.0	µg/L	10.0		102	70-130				
Methyl Acetate	7.24	1.0	µg/L	10.0		72.4	70-130			V-05	
Methyl tert-Butyl Ether (MTBE)	9.78	1.0	µg/L	10.0		97.8	70-130				
Methyl Cyclohexane	10.9	1.0	µg/L	10.0		109	70-130				
Methylene Chloride	9.67	5.0	µg/L	10.0		96.7	70-130				
4-Methyl-2-pentanone (MIBK)	89.4	10	µg/L	100		89.4	70-160				†
Styrene	10.5	1.0	µg/L	10.0		105	70-130				
1,1,2,2-Tetrachloroethane	9.30	0.50	µg/L	10.0		93.0	70-130				
Tetrachloroethylene	10.5	1.0	µg/L	10.0		105	70-130				
Toluene	10.7	1.0	µg/L	10.0		107	70-130				
1,2,3-Trichlorobenzene	10.4	5.0	µg/L	10.0		104	70-130				
1,2,4-Trichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130				
1,1,1-Trichloroethane	9.75	1.0	µg/L	10.0		97.5	70-130				
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130				
Trichloroethylene	10.1	1.0	µg/L	10.0		101	70-130				
Trichlorofluoromethane (Freon 11)	9.46	2.0	µg/L	10.0		94.6	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	1.0	µg/L	10.0		100	70-130				
Vinyl Chloride	11.3	2.0	µg/L	10.0		113	40-160				†
m+p Xylene	20.6	2.0	µg/L	20.0		103	70-130				
o-Xylene	10.3	1.0	µg/L	10.0		103	70-130				
Xylenes (total)	30.9	1.0	µg/L	30.0		103	0-200				
Surrogate: 1,2-Dichloroethane-d4	*23.6*		µg/L	25.0		94.3	70-130				
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		102	70-130				
Surrogate: 4-Bromofluorobenzene	*24.5*		µg/L	25.0		98.1	70-130				
LCS Dup (B340912-BSD1)				Prepared: 05/22/23 Analyzed: 05/23/23							
Acetone	87.9	50	µg/L	100		87.9	70-160	0.770	25		†
Benzene	11.8	1.0	µg/L	10.0		118	70-130	4.24	25		
Bromochloromethane	12.0	1.0	µg/L	10.0		120	70-130	8.15	25		
Bromodichloromethane	9.90	0.50	µg/L	10.0		99.0	70-130	2.97	25		
Bromoform	7.83	1.0	µg/L	10.0		78.3	70-130	6.05	25	V-05	
Bromomethane	12.7	2.0	µg/L	10.0		127	40-160	8.90	25		†
2-Butanone (MEK)	102	20	µg/L	100		102	40-160	0.410	25		†
tert-Butyl Alcohol (TBA)	73.9	20	µg/L	100		73.9	40-160	1.09	25		†
Carbon Disulfide	102	5.0	µg/L	100		102	70-130	2.66	25		
Carbon Tetrachloride	9.71	5.0	µg/L	10.0		97.1	70-130	0.931	25		
Chlorobenzene	10.8	1.0	µg/L	10.0		108	70-130	3.86	25		
Chlorodibromomethane	9.31	0.50	µg/L	10.0		93.1	70-130	3.05	25		
Chloroethane	10.0	2.0	µg/L	10.0		100	70-130	1.00	25		
Chloroform	10.5	2.0	µg/L	10.0		105	70-130	3.28	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 B340912 - SW-846 5030B											
LCS Dup (B340912-BSD1)				Prepared: 05/22/23 Analyzed: 05/23/23							
Chloromethane	10.4	2.0	µg/L	10.0		104	40-160	0.574	25		†
Cyclohexane	10.9	5.0	µg/L	10.0		109	70-130	3.26	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.14	5.0	µg/L	10.0		81.4	70-130	2.24	25		
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102	70-130	1.39	25		
1,2-Dichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130	4.51	25		
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	3.24	25		
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	2.29	25		
Dichlorodifluoromethane (Freon 12)	11.0	2.0	µg/L	10.0		110	40-160	2.94	25		†
1,1-Dichloroethane	10.7	1.0	µg/L	10.0		107	70-130	2.64	25		
1,2-Dichloroethane	9.80	1.0	µg/L	10.0		98.0	70-130	3.64	25		
1,1-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130	4.28	25		
cis-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	2.57	25		
trans-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	2.61	25		
1,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	70-130	3.49	25		
cis-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106	70-130	2.79	25		
trans-1,3-Dichloropropene	9.97	0.50	µg/L	10.0		99.7	70-130	2.75	25		
1,4-Dioxane	84.6	50	µg/L	100		84.6	40-130	1.13	50		† ‡
Ethylbenzene	10.7	1.0	µg/L	10.0		107	70-130	1.51	25		
2-Hexanone (MBK)	89.2	10	µg/L	100		89.2	70-160	1.84	25		†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104	70-130	1.94	25		
Methyl Acetate	7.41	1.0	µg/L	10.0		74.1	70-130	2.32	25	V-05	
Methyl tert-Butyl Ether (MTBE)	10.0	1.0	µg/L	10.0		100	70-130	2.22	25		
Methyl Cyclohexane	11.1	1.0	µg/L	10.0		111	70-130	2.18	25		
Methylene Chloride	10.1	5.0	µg/L	10.0		101	70-130	4.75	25		
4-Methyl-2-pentanone (MIBK)	89.0	10	µg/L	100		89.0	70-160	0.516	25		†
Styrene	10.8	1.0	µg/L	10.0		108	70-130	2.44	25		
1,1,2,2-Tetrachloroethane	9.58	0.50	µg/L	10.0		95.8	70-130	2.97	25		
Tetrachloroethylene	10.7	1.0	µg/L	10.0		107	70-130	1.32	25		
Toluene	10.8	1.0	µg/L	10.0		108	70-130	1.21	25		
1,2,3-Trichlorobenzene	10.7	5.0	µg/L	10.0		107	70-130	3.04	25		
1,2,4-Trichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	2.70	25		
1,1,1-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130	4.90	25		
1,1,2-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130	3.62	25		
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	3.59	25		
Trichlorofluoromethane (Freon 11)	9.63	2.0	µg/L	10.0		96.3	70-130	1.78	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	1.0	µg/L	10.0		104	70-130	3.63	25		
Vinyl Chloride	11.4	2.0	µg/L	10.0		114	40-160	0.969	25		†
m+p Xylene	21.2	2.0	µg/L	20.0		106	70-130	2.86	25		
o-Xylene	10.4	1.0	µg/L	10.0		104	70-130	1.26	25		
Xylenes (total)	31.7	1.0	µg/L	30.0		106	0-200	2.33			
Surrogate: 1,2-Dichloroethane-d4	*23.4*		µg/L	25.0		93.5	70-130				
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		101	70-130				
Surrogate: 4-Bromofluorobenzene	*24.6*		µg/L	25.0		98.6	70-130				

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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.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
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. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
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
tert-Butyl Alcohol (TBA)	ME,NH,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
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,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
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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023

Chain of Custody / Analysis Report

RAMBOLL

Sampler(s): Liam Blake (Signature)

23E2403

KAM

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 Q2 Sampling
Location:	Old Bethpage, New York

Laboratory: Pace Analytical Services 39 Spruce St., East Longmeadow, MA 01028

Attn: RJ McCarthy

Phone: 413-525-2332

Holding Time:

Package Requirement: Level 2 and Level 3

EDD Format: EQuIS 4-file

Analysis Required

Preservatives: (see key at bottom)

Laboratory Use Only

Project Number:

Job Number:

Laboratory ID:

Lab Sample ID:

	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)	VOCs by 8620C	1																				
1	EW1C-CP-00-051623	EW-1C	5/16/2023	13:05	N	WG	2	G	N	X																					
2	EW2A-CP-00-051623	EW-2A	5/16/2023	9:05	N	WG	2	G	N	X																					
3	EW2B-CP-00-051623	EW-2B	5/16/2023	9:00	N	WG	2	G	N	X																					
4	EW2C-CP-00-051623	EW-2C	5/16/2023	8:55	N	WG	2	G	N	X																					
5	EW2D-CP-00-051623	EW-2D	5/16/2023	8:45	N	WG	2	G	N	X																					
6	EW4A-CP-00-051523	EW-4A	5/15/2023	16:20	N	WG	2	G	N	X																					
7	EW4B-CP-00-051523	EW-4B	5/15/2023	16:15	N	WG	2	G	N	X																					
8	EW4C-CP-00-051523	EW-4C	5/15/2023	16:10	N	WG	2	G	N	X																					
9	EW4D-CP-00-051523	EW-4D	5/15/2023	16:05	N	WG	2	G	N	X																					
10	EW5-CP-00-051623	EW-5	5/16/2023	12:50	N	WG	2	G	N	X																					
11	EW7C-CP-00-051623	EW-7C	5/16/2023	13:30	N	WG	2	G	N	X																					
12	EW7D-CP-00-051623	EW-7D	5/16/2023	13:35	N	WG	2	G	N	X																					
13	EW11D-CP-00-051523	EW-11D	5/15/2023	14:05	N	WG	2	G	N	X																					
14	EW12D-CP-00-051523	EW-12D	5/15/2023	14:20	N	WG	2	G	N	X																					

Special Instructions:

8260 TCL to keep consistent with historical data, per client. KAM 5/18/23

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

Relinquished by: Liam Blake	*Date:* 5/16/23	*Courier Name:* FedEx	*Date:*
Of: Ramboll	*Time:* 18:00	*Tracking #:* 791355909745	*Time:*
Relinquished by:	*Date:*	*Courier Name:*	*Date:*
Of:	*Time:*	*Tracking #:*	*Time:*
Courier Name: FedEx	*Date:*	*Received By:*	*Date:* 0940 5-17-23
Tracking #:	*Time:*	*Of:* 2.2°C	*Time:*

Condition:

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:

Sample Type: N = Normal env. sample, FD = field duplicate, EB = Equipment Blank, TB = Trip Blank, MS = Lab Matrix Spike, Other (Specify): FRB = Field Reagent Blank

Sample Matrix: 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 = HNO_3, 3 = H_2SO_4, 4 = NaOH, 5 = Zn Acetate, 6 = MeOH, 7 = $NaHSO_4$, 8 = Na_3PO_4, 9 = BenzalkoniumCl, 10 = other

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(https://www.fedex.com/en-us/home.html) Sign Up or Log In

FedEx® Tracking

DELIVERED

Wednesday

5/17/2023 at 9:40 am

Signed for by: A.ALYSSA

Obtain Proof of delivery

How was your delivery?

DELIVERY STATUS

Delivered

TRACKING ID

791355909240

FROM
OLD BETHPAGE, NY US

Label Created
5/3/2023 2:54 PM

PACKAGE RECEIVED BY FEDEX
MELVILLE, NY
5/16/2023 5:13 PM

IN TRANSIT
WINDSOR LOCKS, CT
5/17/2023 7:49 AM

OUT FOR DELIVERY
WINDSOR LOCKS, CT
5/17/2023 8:30 AM

DELIVERED
East Longmeadow, MA US

Delivered
5/17/2023 at 9:40 AM

View travel history

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ENV-FRM-ELON-0001 V05__Sample Receiving Checklist

Log In Back-Sheet

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

Pace
PEOPLE ADVANCING SCIENCE

Client Rambo II
Project Claremont Polychemical Site Q2
MCP/RCP Required –
Deliverable Package Requirement level 2 / level 3
Location Old Bethpage, NY
PWSID# (When Applicable) –
Arrival Method:
Courier ☐ Fed Ex ☑ Walk In ☐ Other ☐
Received By / Date / Time AM 5-17-23 9:40
~~Back-Sheet By~~ / ~~Date~~ / ~~Time~~ SDB 5-17-23 15:35
Temperature Method Gun # 5
Temp ☑ < 6° C Actual Temperature 2.2
Rush Samples: Yes (No) Notify
Short Hold: Yes (No) Notify

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
~~Is there enough Volume~~	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☐	☑
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client	☑	Analysis	☑	Sampler Name	☑
Project	☑	IDs	☑	Collection Date/Time	☑

All Samples Proper pH: (N/A) ☐ ☐

Notes regarding Samples/COC outside of SOP:

Additional Container Notes

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	Sulfuric	Sulfuric	Phosphoric	HCl	Unpreserved	Sulfuric	Unpreserved	Sulfuric	Unpreserved	Trizma	Sulfuric	Nitric	NaOH	NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	Bisulfate	Col/Bact				
1																						2								
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3																														
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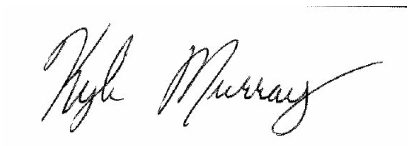
May 29, 2023

Michael Grifasi
NYDEC_Ramboll US Consulting, Inc. - Syracuse
333 West Washington Street, PO Box 4873
Syracuse, NY 13221

Project Location: Old Bethpage, New York
Client Job Number:
Project Number: 130015
Laboratory Work Order Number: 23E2405

Enclosed are results of analyses for samples as received by the laboratory on May 17, 2023. 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 13221
ATTN: Michael Grifasi

REPORT DATE: 5/29/2023

PURCHASE ORDER NUMBER: 144165

PROJECT NUMBER: 130015

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23E2405

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Old Bethpage, New York

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
EW14D-CP-00-051623	23E2405-01	Ground Water		SW-846 8260D	
M30BR-CP-00-051623	23E2405-02	Ground Water		SW-846 8260D	
MW6D-CP-00-051523	23E2405-03	Ground Water		SW-846 8260D	
MW6D-CP-01-051523	23E2405-04	Ground Water		SW-846 8260D	
MW7BR-CP-00-051623	23E2405-05	Ground Water		SW-846 8260D	
MW8C-CP-00-051523	23E2405-06	Ground Water		SW-846 8260D	
MW10D-CP-00-051623	23E2405-07	Ground Water		SW-846 8260D	
MW11A-CP-00-051623	23E2405-08	Ground Water		SW-846 8260D	
MW11B-CP-00-051623	23E2405-09	Ground Water		SW-846 8260D	
SW1-CP-00-051623	23E2405-10	Ground Water		SW-846 8260D	
WT01-CP-00-051523	23E2405-11	Ground Water		SW-846 8260D	
TB-CP-QC-051623	23E2405-12	Trip Blank Water		SW-846 8260D	

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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:

23E2405-07[MW10D-CP-00-051623], 23E2405-10[SW1-CP-00-051623]

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:

Bromoform

23E2405-01[EW14D-CP-00-051623], 23E2405-02[M30BR-CP-00-051623], 23E2405-03[MW6D-CP-00-051523], 23E2405-04[MW6D-CP-01-051523], 23E2405-05[MW7BR-CP-00-051623], 23E2405-06[MW8C-CP-00-051523], 23E2405-07[MW10D-CP-00-051623], 23E2405-08[MW 11A-CP-00-051623], 23E2405-09[MW11B-CP-00-051623], 23E2405-10[SW1-CP-00-051623], 23E2405-11[WT01-CP-00-051523], 23E2405-12[TB-CP-QC-051623], B340912-BLK1, B340912-BS1, B340912-BSD1, S087955-CCV1

Methyl Acetate

23E2405-01[EW14D-CP-00-051623], 23E2405-02[M30BR-CP-00-051623], 23E2405-03[MW6D-CP-00-051523], 23E2405-04[MW6D-CP-01-051523], 23E2405-05[MW7BR-CP-00-051623], 23E2405-06[MW8C-CP-00-051523], 23E2405-07[MW10D-CP-00-051623], 23E2405-08[MW 11A-CP-00-051623], 23E2405-09[MW11B-CP-00-051623], 23E2405-10[SW1-CP-00-051623], 23E2405-11[WT01-CP-00-051523], 23E2405-12[TB-CP-QC-051623], B340912-BLK1, B340912-BS1, B340912-BSD1, S087955-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, 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

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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: 23E2405

Date Received: 5/17/2023

Field Sample #: EW14D-CP-00-051623 | Sampled: 5/16/2023 11:45

Sample ID: 23E2405-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	81	50	2.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
2-Butanone (MEK)	4.8	20	1.7	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 13:05	MFF
tert-Butyl Alcohol (TBA)	10	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
1,2-Dichloroethane	0.35	1.0	0.30	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 13:05	MFF
1,1-Dichloroethylene	1.6	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
cis-1,2-Dichloroethylene	0.32	1.0	0.14	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 13:05	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Tetrachloroethylene	0.74	1.0	0.17	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2405

Date Received: 5/17/2023

Field Sample #: EW14D-CP-00-051623 | Sampled: 5/16/2023 11:45

Sample ID: 23E2405-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
1,1,1-Trichloroethane	1.2	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Trichloroethylene	22	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.27	1.0	0.21	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:05	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.3	70-130		5/23/23 13:05
Toluene-d8	98.3	70-130		5/23/23 13:05
4-Bromofluorobenzene	94.0	70-130		5/23/23 13:05

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2405

Date Received: 5/17/2023

Field Sample #: M30BR-CP-00-051623 | Sampled: 5/16/2023 13:50

Sample ID: 23E2405-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	51	50	2.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
2-Butanone (MEK)	2.4	20	1.7	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 13:32	MFF
tert-Butyl Alcohol (TBA)	12	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2405

Date Received: 5/17/2023

Field Sample #: M30BR-CP-00-051623 | Sampled: 5/16/2023 13:50

Sample ID: 23E2405-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:32	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.9	70-130		5/23/23 13:32
Toluene-d8	100	70-130		5/23/23 13:32
4-Bromofluorobenzene	94.2	70-130		5/23/23 13:32

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2405

Date Received: 5/17/2023

Field Sample #: MW6D-CP-00-051523 | Sampled: 5/15/2023 15:35

Sample ID: 23E2405-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	35	50	2.0	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Benzene	0.47	1.0	0.18	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
2-Butanone (MEK)	2.3	20	1.7	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 13:59	MFF
tert-Butyl Alcohol (TBA)	14	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Chlorobenzene	0.92	1.0	0.12	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
1,2-Dichlorobenzene	0.36	1.0	0.13	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 13:59	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
1,4-Dichlorobenzene	0.70	1.0	0.13	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
cis-1,2-Dichloroethylene	0.14	1.0	0.14	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 13:59	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Isopropylbenzene (Cumene)	1.1	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Methyl tert-Butyl Ether (MTBE)	0.25	1.0	0.17	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF

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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: 23E2405

Date Received: 5/17/2023

Field Sample #: MW6D-CP-00-051523 | Sampled: 5/15/2023 15:35

Sample ID: 23E2405-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Trichloroethylene	0.21	1.0	0.17	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 13:59	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.0	70-130		5/23/23 13:59
Toluene-d8	100	70-130		5/23/23 13:59
4-Bromofluorobenzene	94.2	70-130		5/23/23 13:59

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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: 23E2405

Date Received: 5/17/2023

Field Sample #: MW6D-CP-01-051523 | Sampled: 5/15/2023 00:00

Sample ID: 23E2405-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	34	50	2.0	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Benzene	0.52	1.0	0.18	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
2-Butanone (MEK)	2.4	20	1.7	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 14:25	MFF
tert-Butyl Alcohol (TBA)	14	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Chlorobenzene	0.93	1.0	0.12	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
1,2-Dichlorobenzene	0.36	1.0	0.13	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 14:25	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
1,4-Dichlorobenzene	0.79	1.0	0.13	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Isopropylbenzene (Cumene)	1.2	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Methyl tert-Butyl Ether (MTBE)	0.25	1.0	0.17	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF

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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: 23E2405

Date Received: 5/17/2023

Field Sample #: MW6D-CP-01-051523 | Sampled: 5/15/2023 00:00

Sample ID: 23E2405-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Trichloroethylene	0.39	1.0	0.17	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:25	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	100	70-130		5/23/23 14:25
Toluene-d8	98.4	70-130		5/23/23 14:25
4-Bromofluorobenzene	92.3	70-130		5/23/23 14:25

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2405

Date Received: 5/17/2023

Field Sample #: MW7BR-CP-00-051623 | Sampled: 5/16/2023 07:35

Sample ID: 23E2405-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	190	50	2.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
2-Butanone (MEK)	3.1	20	1.7	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 17:32	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Chloroform	0.26	2.0	0.14	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
1,1-Dichloroethylene	0.17	1.0	0.14	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 17:32	MFF
cis-1,2-Dichloroethylene	0.93	1.0	0.14	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 17:32	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Tetrachloroethylene	0.96	1.0	0.17	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2405

Date Received: 5/17/2023

Field Sample #: MW7BR-CP-00-051623 | Sampled: 5/16/2023 07:35

Sample ID: 23E2405-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Trichloroethylene	31	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:32	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	100	70-130		5/23/23 17:32
Toluene-d8	101	70-130		5/23/23 17:32
4-Bromofluorobenzene	91.6	70-130		5/23/23 17:32

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2405

Date Received: 5/17/2023

Field Sample #: MW8C-CP-00-051523 | Sampled: 5/15/2023 14:45

Sample ID: 23E2405-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	53	50	2.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
2-Butanone (MEK)	2.6	20	1.7	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 14:52	MFF
tert-Butyl Alcohol (TBA)	13	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2405

Date Received: 5/17/2023

Field Sample #: MW8C-CP-00-051523 | Sampled: 5/15/2023 14:45

Sample ID: 23E2405-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Trichloroethylene	1.0	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 14:52	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.0	70-130		5/23/23 14:52
Toluene-d8	100	70-130		5/23/23 14:52
4-Bromofluorobenzene	93.3	70-130		5/23/23 14:52

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2405

Date Received: 5/17/2023

Field Sample #: MW10D-CP-00-051623 | Sampled: 5/16/2023 09:20

Sample ID: 23E2405-07

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	200	100	4.0	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Benzene	ND	2.0	0.37	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Bromochloromethane	ND	2.0	0.57	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Bromodichloromethane	ND	1.0	0.32	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Bromoform	ND	2.0	0.82	µg/L	2	V-05	SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Bromomethane	ND	4.0	2.6	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
2-Butanone (MEK)	ND	40	3.4	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
tert-Butyl Alcohol (TBA)	ND	40	8.5	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Carbon Disulfide	ND	10	3.1	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Chlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Chlorodibromomethane	ND	1.0	0.40	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Chloroethane	ND	4.0	0.68	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Chloroform	ND	4.0	0.28	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Chloromethane	ND	4.0	1.0	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Cyclohexane	ND	10	3.5	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.7	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
1,2-Dibromoethane (EDB)	ND	1.0	0.32	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
1,2-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
1,3-Dichlorobenzene	ND	2.0	0.27	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.32	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
1,1-Dichloroethane	1.7	2.0	0.27	µg/L	2	J	SW-846 8260D	5/22/23	5/23/23 19:45	MFF
1,2-Dichloroethane	1.1	2.0	0.61	µg/L	2	J	SW-846 8260D	5/22/23	5/23/23 19:45	MFF
1,1-Dichloroethylene	4.7	2.0	0.28	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
cis-1,2-Dichloroethylene	4.1	2.0	0.28	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
trans-1,2-Dichloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
1,2-Dichloropropane	ND	2.0	0.39	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
cis-1,3-Dichloropropene	ND	1.0	0.33	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
trans-1,3-Dichloropropene	ND	1.0	0.28	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
1,4-Dioxane	ND	100	36	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Ethylbenzene	ND	2.0	0.44	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
2-Hexanone (MBK)	ND	20	2.4	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Isopropylbenzene (Cumene)	ND	2.0	0.30	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Methyl Acetate	ND	2.0	1.2	µg/L	2	V-05	SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Methyl Cyclohexane	ND	2.0	0.31	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Methylene Chloride	ND	10	0.35	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Styrene	ND	2.0	0.30	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
1,1,2,2-Tetrachloroethane	ND	1.0	0.27	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Tetrachloroethylene	4.6	2.0	0.34	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Toluene	ND	2.0	0.45	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
1,2,3-Trichlorobenzene	ND	10	0.68	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2405

Date Received: 5/17/2023

Field Sample #: MW10D-CP-00-051623 | Sampled: 5/16/2023 09:20

Sample ID: 23E2405-07

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	2.0	0.60	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
1,1,1-Trichloroethane	2.7	2.0	0.30	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
1,1,2-Trichloroethane	ND	2.0	0.38	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Trichloroethylene	88	2.0	0.35	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Trichlorofluoromethane (Freon 11)	ND	4.0	0.31	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.42	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Vinyl Chloride	ND	4.0	0.47	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF
Xylenes (total)	ND	2.0	2.0	µg/L	2		SW-846 8260D	5/22/23	5/23/23 19:45	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		5/23/23 19:45
Toluene-d8	101	70-130		5/23/23 19:45
4-Bromofluorobenzene	93.5	70-130		5/23/23 19:45

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2405

Date Received: 5/17/2023

Field Sample #: MW11A-CP-00-051623 | Sampled: 5/16/2023 11:20

Sample ID: 23E2405-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	260	50	2.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
2-Butanone (MEK)	5.3	20	1.7	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 16:39	MFF
tert-Butyl Alcohol (TBA)	12	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Chloroform	0.25	2.0	0.14	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Dichlorodifluoromethane (Freon 12)	2.1	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
1,1-Dichloroethane	4.8	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
1,1-Dichloroethylene	0.42	1.0	0.14	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 16:39	MFF
cis-1,2-Dichloroethylene	40	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
trans-1,2-Dichloroethylene	0.29	1.0	0.17	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 16:39	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Methylene Chloride	0.23	5.0	0.18	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 16:39	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Tetrachloroethylene	2.6	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF

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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: 23E2405

Date Received: 5/17/2023

Field Sample #: MW11A-CP-00-051623 | Sampled: 5/16/2023 11:20

Sample ID: 23E2405-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
1,1,1-Trichloroethane	0.43	1.0	0.15	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 16:39	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Trichloroethylene	3.4	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Trichlorofluoromethane (Freon 11)	0.93	2.0	0.15	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 16:39	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.51	1.0	0.21	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 16:39	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		5/23/23 16:39
Toluene-d8	97.5	70-130		5/23/23 16:39
4-Bromofluorobenzene	94.6	70-130		5/23/23 16:39

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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: 23E2405

Date Received: 5/17/2023

Field Sample #: MW11B-CP-00-051623 | Sampled: 5/16/2023 11:25

Sample ID: 23E2405-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	36	50	2.0	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Benzene	1.5	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
tert-Butyl Alcohol (TBA)	6.0	20	4.3	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Chloroethane	1.2	2.0	0.34	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Chloroform	0.24	2.0	0.14	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Dichlorodifluoromethane (Freon 12)	2.6	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
1,1-Dichloroethane	19	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
1,2-Dichloroethane	1.3	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
1,1-Dichloroethylene	1.8	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
cis-1,2-Dichloroethylene	26	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
trans-1,2-Dichloroethylene	0.38	1.0	0.17	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 17:05	MFF
1,2-Dichloropropane	0.32	1.0	0.19	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 17:05	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Methyl Acetate	3.1	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Methylene Chloride	2.9	5.0	0.18	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 17:05	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Tetrachloroethylene	3.0	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF

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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: 23E2405

Date Received: 5/17/2023

Field Sample #: MW11B-CP-00-051623 | Sampled: 5/16/2023 11:25

Sample ID: 23E2405-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
1,1,1-Trichloroethane	3.2	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
1,1,2-Trichloroethane	0.48	1.0	0.19	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Trichloroethylene	4.3	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Trichlorofluoromethane (Freon 11)	0.74	2.0	0.15	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 17:05	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.98	1.0	0.21	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Vinyl Chloride	2.1	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 17:05	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		5/23/23 17:05
Toluene-d8	101	70-130		5/23/23 17:05
4-Bromofluorobenzene	91.5	70-130		5/23/23 17:05

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2405

Date Received: 5/17/2023

Field Sample #: SW1-CP-00-051623 | Sampled: 5/16/2023 12:35

Sample ID: 23E2405-10

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	120	100	4.0	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Benzene	ND	2.0	0.37	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Bromochloromethane	ND	2.0	0.57	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Bromodichloromethane	ND	1.0	0.32	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Bromoform	ND	2.0	0.82	µg/L	2	V-05	SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Bromomethane	ND	4.0	2.6	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
2-Butanone (MEK)	4.3	40	3.4	µg/L	2	J	SW-846 8260D	5/22/23	5/23/23 20:12	MFF
tert-Butyl Alcohol (TBA)	ND	40	8.5	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Carbon Disulfide	ND	10	3.1	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Chlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Chlorodibromomethane	ND	1.0	0.40	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Chloroethane	ND	4.0	0.68	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Chloroform	ND	4.0	0.28	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Chloromethane	ND	4.0	1.0	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Cyclohexane	ND	10	3.5	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.7	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
1,2-Dibromoethane (EDB)	ND	1.0	0.32	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
1,2-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
1,3-Dichlorobenzene	ND	2.0	0.27	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.32	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
1,1-Dichloroethane	ND	2.0	0.27	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
1,2-Dichloroethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
cis-1,2-Dichloroethylene	15	2.0	0.28	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
trans-1,2-Dichloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
1,2-Dichloropropane	ND	2.0	0.39	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
cis-1,3-Dichloropropene	ND	1.0	0.33	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
trans-1,3-Dichloropropene	ND	1.0	0.28	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
1,4-Dioxane	ND	100	36	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Ethylbenzene	ND	2.0	0.44	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
2-Hexanone (MBK)	ND	20	2.4	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Isopropylbenzene (Cumene)	ND	2.0	0.30	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Methyl Acetate	ND	2.0	1.2	µg/L	2	V-05	SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Methyl Cyclohexane	ND	2.0	0.31	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Methylene Chloride	ND	10	0.35	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Styrene	ND	2.0	0.30	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
1,1,2,2-Tetrachloroethane	ND	1.0	0.27	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Tetrachloroethylene	86	2.0	0.34	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Toluene	ND	2.0	0.45	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
1,2,3-Trichlorobenzene	ND	10	0.68	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2405

Date Received: 5/17/2023

Field Sample #: SW1-CP-00-051623 | Sampled: 5/16/2023 12:35

Sample ID: 23E2405-10

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	2.0	0.60	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
1,1,1-Trichloroethane	ND	2.0	0.30	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
1,1,2-Trichloroethane	ND	2.0	0.38	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Trichloroethylene	15	2.0	0.35	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Trichlorofluoromethane (Freon 11)	ND	4.0	0.31	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.42	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Vinyl Chloride	ND	4.0	0.47	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF
Xylenes (total)	ND	2.0	2.0	µg/L	2		SW-846 8260D	5/22/23	5/23/23 20:12	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		5/23/23 20:12
Toluene-d8	99.4	70-130		5/23/23 20:12
4-Bromofluorobenzene	93.7	70-130		5/23/23 20:12

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2405

Date Received: 5/17/2023

Field Sample #: WT01-CP-00-051523 | Sampled: 5/15/2023 16:30

Sample ID: 23E2405-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	28	50	2.0	µg/L	1	J	SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2405

Date Received: 5/17/2023

Field Sample #: WT01-CP-00-051523 | Sampled: 5/15/2023 16:30

Sample ID: 23E2405-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:19	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		5/23/23 15:19
Toluene-d8	97.0	70-130		5/23/23 15:19
4-Bromofluorobenzene	94.3	70-130		5/23/23 15:19

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2405

Date Received: 5/17/2023

Field Sample #: TB-CP-QC-051623 | Sampled: 5/16/2023 00:00

Sample ID: 23E2405-12

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1	V-05	SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF

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Project Location: Old Bethpage, New York | Sample Description: | Work Order: 23E2405

Date Received: 5/17/2023

Field Sample #: TB-CP-QC-051623 | Sampled: 5/16/2023 00:00

Sample ID: 23E2405-12

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	5/22/23	5/23/23 15:45	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.4	70-130		5/23/23 15:45
Toluene-d8	97.8	70-130		5/23/23 15:45
4-Bromofluorobenzene	92.7	70-130		5/23/23 15:45

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23E2405-01 [EW14D-CP-00-051623]	B340912	5	5.00	05/22/23
23E2405-02 [M30BR-CP-00-051623]	B340912	5	5.00	05/22/23
23E2405-03 [MW6D-CP-00-051523]	B340912	5	5.00	05/22/23
23E2405-04 [MW6D-CP-01-051523]	B340912	5	5.00	05/22/23
23E2405-05 [MW7BR-CP-00-051623]	B340912	5	5.00	05/22/23
23E2405-06 [MW8C-CP-00-051523]	B340912	5	5.00	05/22/23
23E2405-07 [MW10D-CP-00-051623]	B340912	2.5	5.00	05/22/23
23E2405-08 [MW11A-CP-00-051623]	B340912	5	5.00	05/22/23
23E2405-09 [MW11B-CP-00-051623]	B340912	5	5.00	05/22/23
23E2405-10 [SW1-CP-00-051623]	B340912	2.5	5.00	05/22/23
23E2405-11 [WT01-CP-00-051523]	B340912	5	5.00	05/22/23
23E2405-12 [TB-CP-QC-051623]	B340912	5	5.00	05/22/23

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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 B340912 - SW-846 5030B										
Blank (B340912-BLK1)				Prepared: 05/22/23 Analyzed: 05/23/23						
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							V-05
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	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							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							V-05
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							
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							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	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 B340912 - SW-846 5030B											
Blank (B340912-BLK1)				Prepared: 05/22/23 Analyzed: 05/23/23							
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	*24.2*		µg/L	25.0		97.0	70-130				
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.7	70-130				
Surrogate: 4-Bromofluorobenzene	*23.3*		µg/L	25.0		93.1	70-130				
LCS (B340912-BS1)				Prepared: 05/22/23 Analyzed: 05/23/23							
Acetone	88.6	50	µg/L	100		88.6	70-160				†
Benzene	11.3	1.0	µg/L	10.0		113	70-130				
Bromochloromethane	11.1	1.0	µg/L	10.0		111	70-130				
Bromodichloromethane	9.61	0.50	µg/L	10.0		96.1	70-130				
Bromoform	7.37	1.0	µg/L	10.0		73.7	70-130			V-05	
Bromomethane	11.6	2.0	µg/L	10.0		116	40-160				†
2-Butanone (MEK)	103	20	µg/L	100		103	40-160				†
tert-Butyl Alcohol (TBA)	74.7	20	µg/L	100		74.7	40-160				†
Carbon Disulfide	99.0	5.0	µg/L	100		99.0	70-130				
Carbon Tetrachloride	9.62	5.0	µg/L	10.0		96.2	70-130				
Chlorobenzene	10.4	1.0	µg/L	10.0		104	70-130				
Chlorodibromomethane	9.03	0.50	µg/L	10.0		90.3	70-130				
Chloroethane	9.91	2.0	µg/L	10.0		99.1	70-130				
Chloroform	10.2	2.0	µg/L	10.0		102	70-130				
Chloromethane	10.5	2.0	µg/L	10.0		105	40-160				†
Cyclohexane	10.6	5.0	µg/L	10.0		106	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	7.96	5.0	µg/L	10.0		79.6	70-130				
1,2-Dibromoethane (EDB)	10.0	0.50	µg/L	10.0		100	70-130				
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130				
1,3-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130				
1,4-Dichlorobenzene	9.91	1.0	µg/L	10.0		99.1	70-130				
Dichlorodifluoromethane (Freon 12)	10.7	2.0	µg/L	10.0		107	40-160				†
1,1-Dichloroethane	10.4	1.0	µg/L	10.0		104	70-130				
1,2-Dichloroethane	9.45	1.0	µg/L	10.0		94.5	70-130				
1,1-Dichloroethylene	9.61	1.0	µg/L	10.0		96.1	70-130				
cis-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130				
trans-1,2-Dichloroethylene	9.83	1.0	µg/L	10.0		98.3	70-130				
1,2-Dichloropropane	10.4	1.0	µg/L	10.0		104	70-130				
cis-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103	70-130				
trans-1,3-Dichloropropene	9.70	0.50	µg/L	10.0		97.0	70-130				
1,4-Dioxane	85.5	50	µg/L	100		85.5	40-130				†
Ethylbenzene	10.5	1.0	µg/L	10.0		105	70-130				
2-Hexanone (MBK)	90.9	10	µg/L	100		90.9	70-160				†
Isopropylbenzene (Cumene)	10.2	1.0	µg/L	10.0		102	70-130				
Methyl Acetate	7.24	1.0	µg/L	10.0		72.4	70-130			V-05	
Methyl tert-Butyl Ether (MTBE)	9.78	1.0	µg/L	10.0		97.8	70-130				
Methyl Cyclohexane	10.9	1.0	µg/L	10.0		109	70-130				
Methylene Chloride	9.67	5.0	µg/L	10.0		96.7	70-130				
4-Methyl-2-pentanone (MIBK)	89.4	10	µg/L	100		89.4	70-160				†
Styrene	10.5	1.0	µg/L	10.0		105	70-130				
1,1,2,2-Tetrachloroethane	9.30	0.50	µg/L	10.0		93.0	70-130				
Tetrachloroethylene	10.5	1.0	µg/L	10.0		105	70-130				
Toluene	10.7	1.0	µg/L	10.0		107	70-130				
1,2,3-Trichlorobenzene	10.4	5.0	µg/L	10.0		104	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 B340912 - SW-846 5030B											
LCS (B340912-BS1)				Prepared: 05/22/23 Analyzed: 05/23/23							
1,2,4-Trichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130				
1,1,1-Trichloroethane	9.75	1.0	µg/L	10.0		97.5	70-130				
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130				
Trichloroethylene	10.1	1.0	µg/L	10.0		101	70-130				
Trichlorofluoromethane (Freon 11)	9.46	2.0	µg/L	10.0		94.6	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	1.0	µg/L	10.0		100	70-130				
Vinyl Chloride	11.3	2.0	µg/L	10.0		113	40-160				†
m+p Xylene	20.6	2.0	µg/L	20.0		103	70-130				
o-Xylene	10.3	1.0	µg/L	10.0		103	70-130				
Xylenes (total)	30.9	1.0	µg/L	30.0		103	0-200				
Surrogate: 1,2-Dichloroethane-d4	*23.6*		µg/L	25.0		94.3	70-130				
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		102	70-130				
Surrogate: 4-Bromofluorobenzene	*24.5*		µg/L	25.0		98.1	70-130				
LCS Dup (B340912-BSD1)				Prepared: 05/22/23 Analyzed: 05/23/23							
Acetone	87.9	50	µg/L	100		87.9	70-160	0.770	25		†
Benzene	11.8	1.0	µg/L	10.0		118	70-130	4.24	25		
Bromochloromethane	12.0	1.0	µg/L	10.0		120	70-130	8.15	25		
Bromodichloromethane	9.90	0.50	µg/L	10.0		99.0	70-130	2.97	25		
Bromoform	7.83	1.0	µg/L	10.0		78.3	70-130	6.05	25	V-05	
Bromomethane	12.7	2.0	µg/L	10.0		127	40-160	8.90	25		†
2-Butanone (MEK)	102	20	µg/L	100		102	40-160	0.410	25		†
tert-Butyl Alcohol (TBA)	73.9	20	µg/L	100		73.9	40-160	1.09	25		†
Carbon Disulfide	102	5.0	µg/L	100		102	70-130	2.66	25		
Carbon Tetrachloride	9.71	5.0	µg/L	10.0		97.1	70-130	0.931	25		
Chlorobenzene	10.8	1.0	µg/L	10.0		108	70-130	3.86	25		
Chlorodibromomethane	9.31	0.50	µg/L	10.0		93.1	70-130	3.05	25		
Chloroethane	10.0	2.0	µg/L	10.0		100	70-130	1.00	25		
Chloroform	10.5	2.0	µg/L	10.0		105	70-130	3.28	25		
Chloromethane	10.4	2.0	µg/L	10.0		104	40-160	0.574	25		†
Cyclohexane	10.9	5.0	µg/L	10.0		109	70-130	3.26	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.14	5.0	µg/L	10.0		81.4	70-130	2.24	25		
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102	70-130	1.39	25		
1,2-Dichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130	4.51	25		
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	3.24	25		
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	2.29	25		
Dichlorodifluoromethane (Freon 12)	11.0	2.0	µg/L	10.0		110	40-160	2.94	25		†
1,1-Dichloroethane	10.7	1.0	µg/L	10.0		107	70-130	2.64	25		
1,2-Dichloroethane	9.80	1.0	µg/L	10.0		98.0	70-130	3.64	25		
1,1-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130	4.28	25		
cis-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	2.57	25		
trans-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	2.61	25		
1,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	70-130	3.49	25		
cis-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106	70-130	2.79	25		
trans-1,3-Dichloropropene	9.97	0.50	µg/L	10.0		99.7	70-130	2.75	25		
1,4-Dioxane	84.6	50	µg/L	100		84.6	40-130	1.13	50		† ‡
Ethylbenzene	10.7	1.0	µg/L	10.0		107	70-130	1.51	25		
2-Hexanone (MBK)	89.2	10	µg/L	100		89.2	70-160	1.84	25		†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104	70-130	1.94	25		
Methyl Acetate	7.41	1.0	µg/L	10.0		74.1	70-130	2.32	25	V-05	
Methyl tert-Butyl Ether (MTBE)	10.0	1.0	µg/L	10.0		100	70-130	2.22	25		
Methyl Cyclohexane	11.1	1.0	µg/L	10.0		111	70-130	2.18	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 B340912 - SW-846 5030B										
LCS Dup (B340912-BSD1)				Prepared: 05/22/23 Analyzed: 05/23/23						
Methylene Chloride	10.1	5.0	µg/L	10.0		101	70-130	4.75	25	
4-Methyl-2-pentanone (MIBK)	89.0	10	µg/L	100		89.0	70-160	0.516	25	†
Styrene	10.8	1.0	µg/L	10.0		108	70-130	2.44	25	
1,1,2,2-Tetrachloroethane	9.58	0.50	µg/L	10.0		95.8	70-130	2.97	25	
Tetrachloroethylene	10.7	1.0	µg/L	10.0		107	70-130	1.32	25	
Toluene	10.8	1.0	µg/L	10.0		108	70-130	1.21	25	
1,2,3-Trichlorobenzene	10.7	5.0	µg/L	10.0		107	70-130	3.04	25	
1,2,4-Trichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	2.70	25	
1,1,1-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130	4.90	25	
1,1,2-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130	3.62	25	
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	3.59	25	
Trichlorofluoromethane (Freon 11)	9.63	2.0	µg/L	10.0		96.3	70-130	1.78	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	1.0	µg/L	10.0		104	70-130	3.63	25	
Vinyl Chloride	11.4	2.0	µg/L	10.0		114	40-160	0.969	25	†
m+p Xylene	21.2	2.0	µg/L	20.0		106	70-130	2.86	25	
o-Xylene	10.4	1.0	µg/L	10.0		104	70-130	1.26	25	
Xylenes (total)	31.7	1.0	µg/L	30.0		106	0-200	2.33		
Surrogate: 1,2-Dichloroethane-d4	*23.4*		µg/L	25.0		93.5	70-130			
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*24.6*		µg/L	25.0		98.6	70-130			

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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.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
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.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
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
tert-Butyl Alcohol (TBA)	ME,NH,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
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,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
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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023

Chain of Custody / Analysis Report

RAMBOLL

Sampler(s): Liam Blake
(Signature)

23E-2405
K.A.M

Laboratory Use Only
Project Number:
Job Number:
Laboratory ID:
Lab Sample ID:

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 Q2 Sampling
Location:	Old Bethpage, New York

Laboratory:
Pace Analytical Services 39 Spruce St., East Longmeadow, MA 01028
Attn: RJ McCarthy
Phone: 413-525-2332

Holding Time:

Package Requirement:
Level 2 and Level 3

EDD Format:
EQuIS 4-file

Analysis Required

Preservatives: (see key at bottom)

	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)	VOCs by 8620C																						
										1																						
1	EW14D-CP-00-051623	EW-14D	5/16/2023	11:45	N	WG	2	G	N	X																						
2	M30BR-CP-00-051623	M-30BR	5/16/2023	13:50	N	WG	2	G	N	X																						
3	MW6D-CP-00-051523	MW-6D	5/15/2023	15:35	N	WG	2	G	N	X																						
4	MW6D-CP-01-051523	MW-6D	5/15/2023	-----	FD	WG	2	G	N	X																						
5	MW7BR-CP-00-051623	MW-7BR	5/16/2023	7:35	N	WG	2	G	N	X																						
6	MW8C-CP-00-051523	MW-8C	5/15/2023	14:45	N	WG	2	G	N	X																						
7	MW10D-CP-00-051623	MW-10D	5/16/2023	9:20	N	WG	2	G	N	X																						
8	MW11A-CP-00-051623	MW-11A	5/16/2023	11:20	N	WG	2	G	N	X																						
9	MW11B-CP-00-051623	MW-11B	5/16/2023	11:25	N	WG	2	G	N	X																						
10	SW1-CP-00-051623	SW-1	5/16/2023	12:35	N	WG	2	G	N	X																						
11	WT01-CP-00-051523	WT-01	5/15/2023	16:30	N	WG	2	G	N	X																						
12	TB-CP-QC-051623	-----	5/16/2023	-----	TB	WQ	1	G	N	X																						
13					N	WG	2	G	N	X																						
14					N	WG	2	G	N	X																						

Special Instructions:
8260 TCL to keep consistent with historical data, per client. KAM 5/18/23

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

Relinquished by: Liam Blake	*Date:* 5/16/23	*Courier Name:* FedEx	*Date:*	Condition:
Of: Ramboll	*Time:* 18:00	*Tracking #:* 7913 5590 9240	*Time:*	
Relinquished by:	*Date:*	*Courier Name:*	*Date:*	Custody Seals Intact? *(if so, indicate the #, date, and time of the seal)*
Of:	*Time:*	*Tracking #:*	*Time:*	
Courier Name: FedEx	*Date:*	*Received By:*	*Date:* 09:10 5-17-23	Cooler Temperature: 2.2°C
Tracking #:	*Time:*	*Of:*	*Time:*	

Other comments or notes regarding condition of samples as received:

Sample Type: N = Normal env. sample, FD = field duplicate, EB = Equipment Blank, TB = Trip Blank, MS = Lab Matrix Spike, Other (Specify): FRB = Field Reagent Blank
Sample Matrix: 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 = HNO_3, 3 = H_2SO_4, 4 = NaOH, 5 = Zn Acetate, 6 = MeOH, 7 = $NaHSO_4$, 8 = Na_3PO_4, 9 = BenzalkoniumCl, 10 = other

Table of Contents

(https://www.fedex.com/en-us/home.html) Sign Up or Log In

FedEx® Tracking

DELIVERED

Wednesday

5/17/2023 at 9:40 am

Signed for by: A.ALYSSA

Obtain Proof of delivery

How was your delivery?

DELIVERY STATUS

Delivered

TRACKING ID

791355909240

FROM
OLD BETHPAGE, NY US

Label Created
5/3/2023 2:54 PM

PACKAGE RECEIVED BY FEDEX
MELVILLE, NY
5/16/2023 5:13 PM

IN TRANSIT
WINDSOR LOCKS, CT
5/17/2023 7:49 AM

OUT FOR DELIVERY
WINDSOR LOCKS, CT
5/17/2023 8:30 AM

DELIVERED
East Longmeadow, MA US

Delivered
5/17/2023 at 9:40 AM

View travel history

Want updates on this shipment? Enter your email and we will do the rest!

YOUR EMAIL

SUBMIT

MORE OPTIONS

Manage Delivery

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F:413-525-6405
www.pacelabs.com

ENV-FRM-ELON-0001 V05__Sample Receiving Checklist

Log In Back-Sheet

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

Pace® PEOPLE ADVANCING SCIENCE

Client Rambo II

Project Claremont Polychemical Site 02

MCP/RCP Required –

Deliverable Package Requirement level 2 / level 3

Location Old Bethpage, NY

PWSID# (When Applicable) –

Arrival Method:

Courier ☐ Fed Ex ☑ Walk In ☐ Other ☐ ____

Received By / Date / Time AM 5-17-23 9:40

Back-Sheet By / Date / Time SOB 5-17-23 15:35

Temperature Method Gun # 5

Temp ☑ < 6° C Actual Temperature 2.2

Rush Samples: Yes / (No) Notify ____

Short Hold: Yes / (No) Notify ____

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☐	☑
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client	☑	Analysis	☑	Sampler Name	☑
Project	☑	IDs	☑	Collection Date/Time	☑

All Samples Proper pH: (N/A) ☐ ☐

Notes regarding Samples/COC outside of SOP:

Additional Container Notes

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	Unpreserved	HCL	Sulfuric	250mL	Sulfuric	Phosphoric	HCl	100mL	Unpreserved	1 Liter	Unpreserved	Sulfuric	500mL	Unpreserved	Sulfuric	250mL	Unpreserved	Trizma	Sulfuric	Nitric	NaOH	NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	Bisulfate	Col/Bact						
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ATTACHMENT D
FIELD DOCUMENTATION

RAMBOLL

ENVIRONMENT
& HEALTH

PFAS Pre-Sampling Checklist

Site Name: Claremont Polychemical

Task: Q2 Low-Flow Sampling

Weather (temp/precip): 48-65°F, Sun

Date: 5/9/2023

Pre-Mobilization:

- [x] 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®
- [x] Clothing has not been most recently washed with fabric softeners or other treatments
- [x] Clothing has not been permanently chemically treated for insect resistance or UV protection
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- [x] Any personal care products, if used, have been applied outside sampling zone, hands have been washed, and new nitrile gloves are being used
- [x] 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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- [x] Waterproof field books, waterproof paper, and Post-It Notes® are not used
- [x] Markers (e.g., Sharpies®) are used only in the staging area or are not used

Sample Containers:

- [x] Water ice is in use only, not chemical (blue) ice packs
- [x] Sample containers have been received and are made of HDPE or polypropylene
- [x] Bottleware for non-drinking water samples do not contain preservative
- [x] 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):

- [x] 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).
- [x] Alconox®, Liquinox®, or Citranox® are being used as decontamination cleaning agents; Decon 90® is not being used

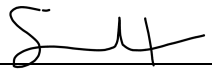
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- [x] Work areas, including vehicle interiors if used for sample handling, are covered with HDPE or LDPE plastic to prevent contact with potentially PFAS-containing materials and surfaces

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Sara Hahne 

Field Team Leader Name and Signature

06:45

Time

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  - 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™

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- Jason Natural Sun Block
- Kiss My Face
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- Sawyer Permethrin
- Yes To Cucumbers

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- Polychlorotrifluoroethylene (PCTFE), including the trademark Neoflon®.
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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.
- Post-It® notes or similar.
- Decon 90®.

RAMBOLL

ENVIRONMENT
& HEALTH

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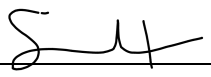
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  - RUCO-GUARD®
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  - RUCOSTAR®
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RAMBOLL

ENVIRONMENT
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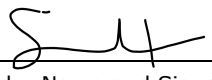
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RAMBOLL **Low Flow Groundwater Sampling Log**

Well ID: MW-CPC-36
Northing:
Easting:

Site Name:	Claremont Poly	Sampling Method:	Submersible Pump	Field Personnel:	SLH, LFB
Site Location:	Old Bethpage, NY	Equipment Used:	GeoPump Bladder	Date:	5/11/2023
Project #:	1940101703	Pump/Controller ID#:	6800/048563	Weather:	56°F, Sun

Well information:

Installed Depth of Well*:	255.7	ft. bmp.	
Measured Depth of Well*:	255.7	ft. bmp.	
Depth to Water*:	23.22	ft. bmp.	
Water Column Length (LWC):	232.48	ft.	
Well Diameter:	2.0	in.	

Well Volume Multipliers:

	1 in. = 0.041 gal/ft	Measurement Point*:	Top of Well Casing
X	2 in. = 0.163 gal/ft	If other:	
	4 in. = 0.653 gal/ft		
	6 in. = 1.469 gal/ft	Well Volume:	37.9 gallons
	8 in. = 2.611 gal/ft	Pump Intake Depth*:	251.0 ft. bmp.

Start Purge Time: 7:50

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	23.3	12.8	8.15	0.560	139.2	9.74	8.87	150	
5	23.31	12.5	6.82	0.508	120.1	4.37	7.54	200	
10	23.3	12.6	6.90	0.594	47.4	1.97	3.85	200	
15	23.3	12.6	7.16	0.652	-3.6	1.36	3.10	200	
20	23.3	12.7	7.20	0.670	-29.2	1.15	3.46	200	
25	23.3	12.7	7.19	0.670	-40.9	0.99	2.34	200	
30	23.3	12.8	7.17	0.670	-47.2	0.87	1.73	200	
35	23.3	12.9	7.17	0.670	-51.5	0.72	1.75	200	
40	23.3	13	7.07	0.660	-49.6	0.67	1.14	200	
45	23.3	13.1	6.94	0.650	-43.9	0.61	1.45	200	
50	23.3	13.1	6.86	0.640	-37.4	0.61	1.73	200	
55									
60									
65									
70									
75									
80									
85									
90									
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 8:40 DO Titrataion: NA mg/L

Total volume of groundwater purged: 3 gal.

Final: *Color* Clear *Odor* Sulfur-like *Sheen/Free Product* None

Analytical Sample ID: MW-CPC-36-17-251-20230511-0 **Date:** 5/11/2023 **Time:** 9:00

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
500 ml	Polyethylene	**2**	No	None	Pace Analytical
250 ml	Amber Glass	**2**	No	None	Pace Analytical
60 ml	Clear VOA	**2**	No	HCl	Pace Analytical
125 ml	Polyethylene	**1**	No	None	Pace Analytical

Notes:

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: MW-CPC-37
Northing:
Easting:

Site Name:	Claremont Poly	Sampling Method:	Submersible Pump	Field Personnel:	SLH, LFB
Site Location:	Old Bethpage, NY	Equipment Used:	GeoPump Bladder	Date:	5/11/2023
Project #:	1940101703	p/Controller/Intake ID#:	6800/048563	Weather:	66°F, Sun

Well information:

Installed Depth of Well*:	450	ft. bmp.
Measured Depth of Well*:	450	ft. bmp.
Depth to Water*:	27.48	ft. bmp.
Water Column Length (LWC):	422.52	ft.
Well Diameter:	2.0	in.

Well Volume Multipliers:

	1 in. = 0.041 gal/ft
X	2 in. = 0.163 gal/ft
	4 in. = 0.653 gal/ft
	6 in. = 1.469 gal/ft
	8 in. = 2.611 gal/ft

Measurement Point*: Top of Well Casing
If other:
Well Volume: 68.9 gallons
Pump Intake Depth*: 445.0 ft. bmp.

Start Purge Time: 9:55

Initial: *Color* Clear *Odor* Sulfur-like *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	27.51	17.5	6.78	0.283	108.2	6.03	2.92	150	
5	27.5	14.6	6.05	0.275	89.1	1.64	2.41	200	
10	27.5	14.6	5.98	0.279	90.0	1.31	2.52	200	
15	27.5	14.4	5.98	0.291	82.5	1.32	0.99	200	
20	27.5	14.4	6.00	0.295	80.3	1.13	0.98	200	
25	27.5	14.3	6.00	0.295	83.6	0.90	0.67	200	
30	27.5	14.3	5.90	0.298	93.3	0.72	1.64	200	
35	27.5	14.3	5.46	0.321	108.5	0.76	2.65	200	
40	27.5	14.2	4.91	0.367	136.2	0.72	6.80	200	
45	27.5	14.2	4.55	0.393	153.4	0.59	5.65	200	
50	27.5	14.1	4.24	0.409	165.6	0.42	9.04	200	
55	27.5	14.1	4.13	0.415	161.7	0.32	7.34	200	
60	27.5	14.1	4.11	0.418	159.6	0.24	8.71	200	
65	27.5	14.1	4.10	0.420	151.7	0.22	7.50	200	
70									
75									
80									
85									
90									
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 11:00
DO Titrataion: NA mg/L
Total volume of groundwater purged: 4 gal.

Final: *Color* Clear *Odor* None *Sheen/Free Product* None

Analytical Sample ID: MW-CPC-37-17-445-20230511 **Date:** 5/11/2023 **Time:** 11:20

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
500 ml	Polyethylene	**2**	No	None	Pace Analytical
250 ml	Amber Glass	**2**	No	None	Pace Analytical
60 ml	Clear VOA	**2**	No	HCl	Pace Analytical
125 ml	Polyethylene	**1**	No	None	Pace Analytical

Notes:

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: MW-CPC-38
Northing:
Easting:

Site Name:	Claremont Poly	Sampling Method:	Submersible Pump	Field Personnel:	SLH, LFB
Site Location:	Old Bethpage, NY	Equipment Used:	GeoPump Bladder	Date:	5/10/2023
Project #:	1940101703	Pump/Controller ID#:	6800/048563	Weather:	69°F, Sun

Well information:

Installed Depth of Well*:	395	ft. bmp.	
Measured Depth of Well*:	395	ft. bmp.	
Depth to Water*:	28.29	ft. bmp.	
Water Column Length (LWC):	366.71	ft.	
Well Diameter:	2.0	in.	

Well Volume Multipliers:

	1 in. = 0.041 gal/ft	Measurement Point*:	Top of Well Casing
X	2 in. = 0.163 gal/ft	If other:	
	4 in. = 0.653 gal/ft		
	6 in. = 1.469 gal/ft	Well Volume:	59.8 gallons
	8 in. = 2.611 gal/ft	Pump Intake Depth*:	391.0 ft. bmp.

Start Purge Time: 14:00

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	28.45	16.3	6.57	0.111	11.7	4.81	4.98	500	
5	28.35	14.6	9.96	0.142	24.6	1.96	9.09	500	
10	28.35	14.4	9.75	0.145	40.8	1.56	11.40	500	
15	28.35	14.3	9.66	0.146	40.7	1.27	9.98	500	
20	28.35	14.2	9.63	0.147	30.9	1.03	11.80	500	
25	28.35	14.1	9.60	0.145	17.7	0.80	42.60	500	
30	28.35	14	9.56	0.144	21.8	0.76	60.50	500	
35	28.35	14.6	9.55	0.142	-5.3	0.62	64.60	200	
40	28.35	14.6	9.50	0.139	-10.0	0.31	74.10	200	
45	28.35	14.4	9.40	0.135	-13.4	0.44	79.00	200	
50	28.35	14.4	9.28	0.128	-15.0	0.45	89.70	200	
55	28.35	14.4	9.14	0.124	-17.0	0.39	82.90	200	
60									
65									
70									
75									
80									
85									
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 14:55 DO Titrataion: NA mg/L

Total volume of groundwater purged: 3.5 gal.

Final: *Color* Translucent Dk. Gray *Odor* None *Sheen/Free Product* None

Analytical Sample ID: MW-CPC-38-17-391-20230510 **Date:** 5/10/2023 **Time:** 15:15

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
500 ml	Polyethylene	**2**	No	None	Pace Analytical
250 ml	Amber Glass	**2**	No	None	Pace Analytical
60 ml	Clear VOA	**2**	No	HCl	Pace Analytical
125 ml	Polyethylene	**1**	No	None	Pace Analytical

Notes:

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: MW-CPC-39
Northing:
Easting:

Site Name:	Claremont Poly	Sampling Method:	Submersible Pump	Field Personnel:	SLH, LFB
Site Location:	Old Bethpage, NY	Equipment Used:	GeoPump Bladder	Date:	5/9/2023
Project #:	1940101703	Pump/Controller ID#:	6800/048563	Weather:	54°F, Partly Cloudy

Well information:

Installed Depth of Well*:	390	ft. bmp.	
Measured Depth of Well*:	390	ft. bmp.	
Depth to Water*:	25.45	ft. bmp.	
Water Column Length (LWC):	364.55	ft.	
Well Diameter:	2.0	in.	

Well Volume Multipliers:

	1 in. = 0.041 gal/ft	Measurement Point*:	Top of Well Casing
X	2 in. = 0.163 gal/ft	If other:	
	4 in. = 0.653 gal/ft		
	6 in. = 1.469 gal/ft	Well Volume:	59.4 gallons
	8 in. = 2.611 gal/ft	Pump Intake Depth*:	374.0 ft. bmp.

Start Purge Time: 10:05

Initial: *Color* Clear *Odor* Sulfur-like *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	24.57	14.3	5.02	0.042	31.5	8.81	12.40	400	
5	24.55	13.9	5.08	0.040	15.3	3.40	13.90	300	
10	24.55	13.9	4.86	0.038	15.9	2.01	14.40	300	
15	24.55	13.9	4.70	0.038	20.7	1.62	19.30	300	
20	24.55	13.8	4.68	0.037	22.2	1.42	23.60	300	
25	24.55	13.8	4.64	0.037	21.5	1.19	21.00	300	
30	24.55	13.7	4.63	0.037	18.8	1.00	19.50	300	
33	24.55	13.7	4.62	0.037	17.0	0.98	18.50	300	
36	24.55	13.7	4.63	0.037	16.1	0.98	19.60	300	
39									
42									
45									
48									
51									
54									
57									
60									
63									
66									
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 10:41 DO Titrataion: NA mg/L

Total volume of groundwater purged: 3.5 gal.

Final: *Color* Clear *Odor* Sulfur-like *Sheen/Free Product* None

Analytical Sample ID: MW-CPC-39-17-374-20230509 **Date:** 5/9/2023 **Time:** 10:50

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
500 ml	Polyethylene	**4**	No	None	Pace Analytical
1 liter	Amber Glass	**4**	No	None	Pace Analytical
60 ml	Clear VOA	**4**	No	HCl	Pace Analytical
125 ml	Polyethylene	**2**	No	None	Pace Analytical

Notes: **Field Duplicate collected**

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: MW-CPC-40
Northing:
Easting:

Site Name:	Claremont Poly	Sampling Method:	Submersible Pump	Field Personnel:	SLH, LFB
Site Location:	Old Bethpage, NY	Equipment Used:	GeoPump Bladder	Date:	5/9/2023
Project #:	1940101703	Pump/Controller ID#:	6800/048563	Weather:	66°F, Partly Cloudy

Well information:

Installed Depth of Well*:	317	ft. bmp.	
Measured Depth of Well*:	317	ft. bmp.	
Depth to Water*:	58.36	ft. bmp.	
Water Column Length (LWC):	258.64	ft.	
Well Diameter:	2.0	in.	

Well Volume Multipliers:

	1 in. = 0.041 gal/ft	Measurement Point*:	Top of Well Casing
X	2 in. = 0.163 gal/ft	If other:	
	4 in. = 0.653 gal/ft		
	6 in. = 1.469 gal/ft	Well Volume:	42.2 gallons
	8 in. = 2.611 gal/ft	Pump Intake Depth*:	312.0 ft. bmp.

Start Purge Time: 12:35

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	58.5	16.2	5.22	0.123	134.5	17.60	2.32	350	
5	58.5	13.7	4.85	0.120	100.4	4.24	1.62	350	
10	58.55	13.5	4.66	0.119	74.7	2.39	1.21	350	
15	58.6	13.4	3.97	0.122	94.4	2.74	18.00	200	
20	58.61	13.6	3.93	0.124	108.4	3.07	8.74	200	
25	58.64	13.8	3.94	0.124	110.6	3.01	7.27	200	
30	58.69	13.8	3.93	0.125	110.1	2.98	5.74	200	
35	58.72	13.9	3.93	0.126	107.9	2.93	5.58	200	
40									
45									
50									
55									
60									
65									
70									
75									
80									
85									
90									
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 13:10 DO Titrataion: NA mg/L

Total volume of groundwater purged: 2.5 gal.

Final: *Color* Clear *Odor* None *Sheen/Free Product* None

Analytical Sample ID: MW-CPC-40-17-312-20230509 **Date:** 5/9/2023 **Time:** 13:30

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
500 ml	Polyethylene	**2**	No	None	Pace Analytical
250 ml	Amber Glass	**2**	No	None	Pace Analytical
60 ml	Clear VOA	**2**	No	HCl	Pace Analytical
125 ml	Polyethylene	**1**	No	None	Pace Analytical

Notes:

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: MW-CPC-41
Northing:
Easting:

Site Name:	Claremont Poly	Sampling Method:	Submersible Pump	Field Personnel:	SLH, LFB
Site Location:	Old Bethpage, NY	Equipment Used:	GeoPump Bladder	Date:	5/5/2023
Project #:	1940101703	Pump/Controller ID#:	6800/048563	Weather:	67°F, Partly Cloudy

Well information:

Installed Depth of Well*:	263	ft. bmp.
Measured Depth of Well*:	263	ft. bmp.
Depth to Water*:	21.2	ft. bmp.
Water Column Length (LWC):	241.80	ft.
Well Diameter:	2.0	in.

Well Volume Multipliers:

	1 in. = 0.041 gal/ft
X	2 in. = 0.163 gal/ft
	4 in. = 0.653 gal/ft
	6 in. = 1.469 gal/ft
	8 in. = 2.611 gal/ft

Measurement Point*: Top of Well Casing
If other:
Well Volume: 39.4 gallons
Pump Intake Depth*: 258.0 ft. bmp.

Start Purge Time: 14:30
Initial: *Color* Clear *Odor* Sulfur-like *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	21.26	17.7	5.21	0.150	-11.4	6.07	4.37	200	
5	21.26	16.1	4.97	0.148	-29.2	3.90	1.12	200	
10	21.26	14.9	4.51	0.146	-11.0	1.61	0.51	200	
15	21.26	14.7	4.22	0.146	24.8	1.33	0.58	200	
20	21.26	14.6	3.68	0.18	56.7	1.18	2.67	200	
25	21.26	14.6	3.26	0.22	96.1	1.14	1.68	200	
30	21.26	14.6	3.16	0.24	140.3	1.12	2.06	200	
35	21.26	14.4	3.20	0.24	163.1	0.87	2.83	200	
40	21.26	14.4	3.22	0.24	171.2	0.79	3.41	200	
45	21.26	14.1	3.24	0.24	176.0	0.68	2.81	200	
50	21.26	14	3.25	0.24	178.9	0.60	1.38	200	
55	21.26	14.1	3.26	0.241	181.1	0.54	1.78	200	
60	21.26	14.1	3.26	0.240	183.3	0.51	1.69	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 15:30
DO Titrataion: NA mg/L
Total volume of groundwater purged: 3 gal.

Final: *Color* Clear *Odor* None *Sheen/Free Product* None

Analytical Sample ID: MW-CPC-41-17-258-20230509-0 **Date:** 5/9/2023 **Time:** 15:50

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
500 ml	Polyethylene	**2**	No	None	Pace Analytical
250 ml	Amber Glass	**2**	No	None	Pace Analytical
60 ml	Clear VOA	**2**	No	HCl	Pace Analytical
125 ml	Polyethylene	**1**	No	None	Pace Analytical

Notes: