



Groundwater Monitoring Report December 2025 Quarterly Monitoring Event

113 7th North Street Site
113 7th North Street, Liverpool, New York
Site No. C734152

Submitted to:

New York State Department of Environmental Conservation
Division of Environmental Remediation
615 Erie Boulevard West
Syracuse, NY 13204-2400

Submitted by:

GEI Consultants, Inc. DBA GEI Consultants Engineering,
Geology, Architecture & Landscape Architecture
950 Danby Road, Suite 201-F
Ithaca, NY 14850

April 16, 2026
Project No. 2001642





Wendy Moore, P.E.
Project Manager, Senior Engineer



Ileen Gladstone, P.E.
Senior Engineer

Table of Contents

Standard Limitations and Disclaimer	iii
1. Background and Site Description	4
1.1. Introduction	4
1.2. Background	4
2. Quarterly Field Monitoring Activities	6
2.1. Groundwater Elevation Gauging	6
2.2. Groundwater Sampling and Analysis	6
2.3. Waste Management	7
3. Analytical Results	8
3.1. VOCs	8
3.1.1. December 2025 Data Discussion	8
3.1.2. Trend Discussion	9
3.2. PFAS	10
3.2.1. December 2025 Data Discussion	10
3.2.2. Trend Discussion	10
3.3. MNA Parameters	11
3.3.1. Iron	11
3.3.2. Sulfate	12
3.3.3. Dissolved Gases	12
3.4. QuantArray-Chlor Data	12
3.5. BTEX Detections	13
3.5.1. Off-Site Pilot Spill Response	13
3.5.2. Unknown Upgradient Source	14
4. Summary	15
5. References	16

Tables

Table 1 Groundwater Elevation Data

Table 2 Groundwater Sampling Scope of Work

Table 3 Groundwater Analysis Results

Table 4A Historical Groundwater VOC Analysis Results

Table 4B Historical Groundwater PFAS Analysis Results

Table 4C Historical Groundwater Natural Attenuation Parameter Results

Figures

Figure 1 Site Location Map

Figure 2 Site Plan

Figure 3 Groundwater Elevation Summary 9/23/2025

Figure 4a Summarized Groundwater Analytical Results – CVOCs

Figure 4b Summarized Groundwater Analytical Results – PFAS

Figure 5a CVOC Isoconcentration Map

Figure 5b PFOA and PFOS Isoconcentration Map

Appendices

Appendix A Laboratory Report

Appendix B Microbial Insights QuantArray Chlor Report

Appendix C Trend Monitoring Graphs

Appendix C.1. CVOC Trend Monitoring Graphs

Appendix C.2. PFAS Trend Monitoring Graphs

Appendix C.3. MNA Parameters Trend Monitoring Graphs

WM/ED:ag

B:\Working\UNIFIRST\2001642 Unifirst-Liverpool NY\06_REPORT\Qtly Groundwater Monitoring Reports\05_December 2025\GEI_DRAFT Q4 GWM Report 2025.docx

Standard Limitations and Disclaimer

This report was prepared exclusively for the use of UniFirst Corporation. The findings and conclusions, if any provided by GEI in this report, are based solely on the information reported to GEI as of the date of this report. Future investigations or additional information not provided to GEI at the time of this report may result in modification of this report. GEI's scope of work did not include verifying the completeness or accuracy of information provided by others. Accordingly, GEI shall not be liable for any damages, costs, or other consequences resulting from reliance on such information if it is later determined to be inaccurate or incomplete. GEI's professional services for this project have been performed in a manner consistent with that degree of skill and care ordinarily exercised by members of the same profession currently practicing in the same locality, performing similar services under similar conditions. GEI makes no other representations and no warranties, express or implied.

1. Background and Site Description

1.1. Introduction

This report has been prepared on UniFirst Corporation's (Applicant's) behalf by GEI Consultants, Inc. (GEI) for the 113 7th North Street Site in Liverpool, New York (the Site; Figure 1). The Site is currently being managed as Site No. C734152 under a Brownfield Cleanup Agreement (BCA) executed on October 12, 2021. The BCA is being administered by the New York State Department of Environmental Conservation (NYSDEC) through the Brownfield Cleanup Program (BCP).

This report summarizes results from the quarterly groundwater monitoring conducted December 9 through 11, 2025. Monitoring was performed in accordance with the Interim Site Management Plan (ISMP) that was submitted to the NYSDEC on September 30, 2025.¹

Additional samples were collected in December 2025 from three monitoring wells—installed by a third party on the Applicant's property and in the 7th North Street Right-of-Way—as part of the neighboring property spill investigation, outside the ISMP scope. The NYSDEC project manager approved sampling the additional wells (MW1C, MW1D, and MW1E) by email on June 9, 2025.

1.2. Background

A Remedial Investigation (RI), as well as additional environmental investigation activities in support of facility renovation/construction and two associated Interim Remedial Measures (IRMs), were conducted from 2020 through 2023. Environmental investigations identified an area of impacted soil and groundwater in the immediate vicinity of a former wastewater vault (Figure 2) beneath the former main facility building (the "source area"). The investigations identified the primary constituents of concern as chlorinated volatile organic compounds (CVOCs; tetrachloroethylene [PCE] and its degradation products).

The construction-related IRMs were implemented between 2021 and 2023 in conjunction with facility renovations (GEI, 2025-a&b). The renovations included construction of a portion of a new expanded operations building, transition of operations to the new building, demolition of the pre-existing facility building, and construction of the remainder of the expanded facility over the footprint of the prior facility building. The IRMs included injection of treatment reagents (zero-valent iron [ZVI] and nutrients) into the source area and three adjacent permeable reactive barriers (PRBs) in May 2022 to address an area of soil and groundwater impacted by PCE (Figure 2), and installation of a sub-slab vapor mitigation system during construction of the new facility buildings. Due to the nature of the facility renovation and related construction schedule, the IRMs did not include source removal other than material (soil and

¹ The ISMP was first submitted to NYSDEC and the Department of Health (NYSDOH) as draft in August 2024, as an attachment to the Construction Completion Report for Phase 2 Construction. The agencies subsequently provided minor comments in letters dated April 21 and May 21, 2025, respectively, including a request to make the ISMP a stand-alone document. The agencies' comments were addressed in the revised final ISMP submitted on September 30, 2025. (This final ISMP has not yet been approved by the agencies in writing.)

groundwater) removed for the purposes of constructing the new facility. Instead, the IRMs focused on in-situ remedial measures intended to promote the attenuation of the CVOCs and to mitigate employees' potential exposure via the vapor intrusion pathway.

The groundwater monitoring component of the ISMP was developed to monitor the continued attenuation of CVOCs in groundwater within and downgradient from the Site after the IRMs were completed and until such time that a comprehensive Site Management Plan is prepared, as may be required in the future.

2. Quarterly Field Monitoring Activities

Quarterly field monitoring was conducted in December 2025, the monitoring well locations are on Figure 2.

2.1. Groundwater Elevation Gauging

The ISMP specifies groundwater-level gauging of 19 monitoring wells during each event to assess the direction of groundwater flow. Gauging was completed on December 9, 2025, at 16 wells (i.e., 13 wells that are part of the ISMP, plus three third-party wells (MW1C, MW1D, and MW1E) installed near MW1R in May 2025). Monitoring wells MW9S, MW9I, and MW10 (located in the rear parking lot) are included in the ISMP gauging scope but were not accessible during this event due to a thick layer of ice over these flush-mounted wells.

Table 1 and Figure 3 present the water-level data. As documented in Table 1, the highest groundwater elevation measurement among the water table wells was in the southern portion of the Site at MW3S (371.78 feet NAVD88). The lowest water table elevation measurement was in the northeastern-most monitoring well MW13S (367.39 feet NAVD88). The overall change in the elevation of the water table was 4.39 feet, which represents a hydraulic gradient of approximately 0.013 ft/ft.

The estimated groundwater flow (Figure 3) is inferred to be generally toward the northeast with certain components of flow toward the north. This is generally consistent with the December 2024 through September 2025 groundwater monitoring events performed following building completion.

2.2. Groundwater Sampling and Analysis

Groundwater samples were collected from 16 monitoring wells (13 wells included in the ISMP and three wells installed near MW1R (MW1C, MW1D and MW1E), associated with the petroleum-related spill at the Pilot property). Groundwater sampling was performed on December 9 through December 11, 2025, for the parameters in Table 2. Low flow groundwater samples were collected from 15 of the 16 monitoring wells. A sample was collected via volumetric purge from MW1R due to the persistence of non-Site-related NAPL in the well.

Samples from all 16 sampled wells were analyzed for volatile organic compounds (VOCs) using USEPA Method 8260D. In addition, depending on location, certain wells were also sampled for per- and polyfluoroalkyl substances (PFAS) by USEPA Method 1633 and monitored natural attenuation (MNA) parameters (including dissolved and total iron by USEPA Method 6020B, dissolved gases, and microbial populations using Microbial Insights' QuantArray-Chlor methodology), per the ISMP.

Groundwater samples were submitted for analysis to Eurofins Environment Testing of Amherst, New York (Eurofins) and Microbial Insights of Knoxville Tennessee (MI; QuantArray-Chlor analysis only). Eurofins is certified to perform environmental analyses under the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP). MI is a specialized laboratory that quantifies

bacteria and functional genes to evaluate the potential for biodegradation of a spectrum of common CVOCs through anaerobic and aerobic (co)metabolic pathways.

Sample collection methods, analytical methods and the quality control measures performed during the December 2025 event were consistent with the Field Sampling Plan (FSP) and Quality Assurance Project Plan (QAPP) included in the ISMP, as well as the specifications provided by the NYSDEC Analytical Services Protocol (ASP).

2.3. Waste Management

Approximately 30 gallons of purge water generated during low-flow groundwater purging in December 2025 are stored in a 55-gallon steel drum on Site. The drum will be properly disposed of at a permitted facility following the next quarterly sampling event.

3. Analytical Results

The analytical data, including VOCs, PFAS, and natural attenuation parameters except for the microbial populations, are tabulated in Table 3 and the associated laboratory data packages are in Appendix A. In addition, the historical data associated with these sampling locations is summarized in Tables 4A, 4B, and 4C. The microbial population data report is in Appendix B.

VOC and PFAS groundwater analytical results were compared to the NYS Ambient Water Quality Standards (AWQS) or guidance values provided in the document titled “NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) Number 1.1.1” (NYSDEC, 1998 with appendices through 2023).

The natural attenuation parameter results are not intended for comparison to standards, but for evaluation along with the VOC data to evaluate to what extent conditions favorable to natural attenuation are present and whether natural attenuation is occurring, as further discussed in the subsections below.

3.1. VOCs

The results of the December 2025 VOC analyses are summarized in Table 3 and historical data is summarized in Table 4A. Figure 4A presents the historical analytical data for each monitoring well. Figure 5A depicts a plume map of the total CVOC data, focusing on December 2025 quarterly monitoring results.² CVOC concentration trend graphs are in Appendix C.

3.1.1. December 2025 Data Discussion

A total of 16 wells (MW1R through MW8, MW11, MW12S, and three non-Applicant related wells [MW1C, MW1D and MW1E]) were analyzed for VOCs during the December 2025 event. The total CVOC concentrations detected at these wells ranged from non-detect (several perimeter wells) to 131,000 µg/L (source area MW3S).

As shown in Table 3, VOCs were detected above NYSDEC AWQS in December 2025 at nine of the sampled wells (MW1D, MW1E, MW2R, MW3S, MW3I, MW4S, MW4I, MW5S, MW7):

- Five wells in the vicinity of the PCE source area (MW2R, MW3S, MW3I, MW4S and MW4I) exceeded AWQS for Site-related CVOCs. While above AWQS, concentrations of COCs in these wells are below historical highs and have generally decreased relative to prior sampling events. Further, the CVOCs exceeding AWQS are primarily degradation products cis 1,2-DCE and vinyl chloride.
- CVOCs were detected at concentrations above AWQS in MW1D and MW1E, downgradient from the source area, despite no detections above reporting limits of CVOCs in MW1R or MW1C.

² For the purposes of this report, Site-related CVOCs include tetrachloroethene (PCE), trichloroethene (TCE), cis 1,2 dichloroethene (cis 1,2 DCE), trans-1,2-dichloroethene (trans-1,2-DCE), and vinyl chloride.

- Vinyl chloride was detected above the AWQS in cross-gradient well MW7 adjacent to Luther Avenue. Vinyl chloride has been relatively stable in MW7 since December 2024.
- Several non-Site-related VOCs (benzene, ethylbenzene, xylenes, methylene chloride, and isopropylbenzene) were detected above AWQS in MW5S, an upgradient well along Luther Avenue. Non-Site-related VOCs have consistently been detected in MW5S and are likely associated with an upgradient, off-Site source. Further details regarding MW5S are discussed in Section 3.5.

3.1.2. Trend Discussion

Trend monitoring graphs are in Appendix C-1 for the wells sampled as part of the ISMP program where CVOCs have been detected (MW-1/1R, MW2/2R, MW3S/TW6, MW3I, MW4S/TW9, MW4I, MW7, MW12S). As depicted in Appendix C-1, overall, evidence of reductive dechlorination of CVOCs is clear. Data for MW3S, which is located within the source area where remedial injections were performed in May 2022, show decreasing PCE and TCE concentrations and increasing intermediate breakdown product concentrations since the injections were performed. As shown in the trend chart for MW3S, more recent data suggest dechlorination is now occurring for breakdown products, as well. Similar patterns are observed in other downgradient wells. In general, CVOCs in the remaining source area/source adjacent wells³ also continue to degrade.

The most downgradient well sampled as part of the quarterly program, MW12S, generally exhibits a stable trend that is nearly below laboratory detection limits for PCE and TCE, and a decreasing trend for cis 1,2-DCE and vinyl chloride (Appendix C-1), with concentrations of CVOCs consistently below AWQS in all samples collected in 2025.

CVOCs are generally not detected above laboratory reporting limits or are present at very low concentrations in upgradient wells MW5S and MW5I, and cross/down-gradient monitoring wells MW6, MW7, MW8, and MW11. Except for vinyl chloride in MW7, December 2025 CVOC concentrations are below AWQS. While vinyl chloride is above AWQS in MW7, it has been stable for the past five quarterly rounds of sampling and remains far lower than in source area wells, suggesting that dechlorination continues to occur in the source area and that the low levels of degraded CVOCs are generally delineated by these wells.

CVOCs have been detected above AWQS in MW1D and MW1E, downgradient from the source area, despite no detections above reporting limits of CVOCs in MW1R or MW1C, immediately upgradient.

³ Note that the shallow groundwater data reported together for several monitoring locations in this area were unavoidably collected from a variety of wells and/or methods. This has likely resulted in variations in data that may not have existed if the sampling sources and methods were consistent. Specifically, for both the “MW1/1R” and “MW2/2R” locations, the February 2022 pre-remediation samples were collected from permanent 2-inch wells (MW1 and MW2) that were later decommissioned to allow for construction, while the February 2023 post-injection samples that were collected during construction are represented by grab water samples from hydro punch samplers (MW1_G and MW2_G), and finally data generated from samples collected from July 2023 through present are from the 2-inch permanent replacement wells (MW1R and MW2R) that were installed in June 2023 near, but not precisely at, the locations of the original wells. The same situation exists for MW3S and MW4S, where the pre-remediation wells were temporary 1-inch well points TW6 and TW9, respectively.

(These 4-inch wells were installed as part of the petroleum-related spill investigation at the Pilot property.) CVOC concentrations in these wells appear to be relatively stable based on the three quarterly events conducted to date. Additional groundwater investigations and evaluations are being planned, which will help clarify any emerging trends, extent of the elevated concentrations, and inform future monitoring strategies.

VOCs will continue to be evaluated against applicable criteria and historical data during future monitoring events.

3.2. PFAS

The results of the December 2025 PFAS analyses are summarized in Table 3 and historical data is summarized in Table 4B. Figures 4B and 5B present graphical representations of the PFOS and PFOA compounds at each well (an analytical data box figure of historical data and a plume map of the most recent concentrations, respectively). Trend graphs for PFOS, PFOA, and total PFAS concentrations are in Appendix C.

3.2.1. December 2025 Data Discussion

Six wells were analyzed for PFAS, including four in the source area (MW3S, MW3I, MW4S and MW4I) and two upgradient (MW5S and MW5I), during the December 2025 event. Detected PFOA concentrations ranged from non-detect (MW4I, MW5I) to 33 ng/L (MW3S). The detected PFOS concentrations ranged from non-detect (MW4I, MW5I) to 39 ng/L (MW3S).

As shown in Table 3, data were compared to NYSDEC AWQS, where available (i.e., for PFOS and PFOA). PFOA was above NYSDEC AWQS in samples from the three shallow wells (MW3S, MW4S, and MW5S). PFOS was also above NYSDEC AWQS in samples from the three shallow wells and also intermediate well MW3I. Additional PFAS compounds were detected in groundwater but have not been assigned AWQS Guidance Values.

It is possible that the concentrations detected in MW3I are the result of field contamination, as this well was inadvertently sampled immediately after MW3S, which contains higher concentrations of PFAS. The weather was very windy and cold during sampling, increasing the chances that decontamination between wells was not as effective as it would have been under normal weather conditions (e.g., well water may have frozen to the equipment and not washed away under normal decontamination procedures). These combined factors could have resulted in falsely elevated concentrations in the sample from MW3I.

3.2.2. Trend Discussion

Trend monitoring graphs for PFOS, PFOA, and total PFAS concentrations are in Appendix C-2 for the sampled wells (MW3S/TW6, MW3I, MW4S, MW4I, MW5S, MW5I). These concentration ranges represent generally stable to decreasing trends in PFOA and PFOS concentrations at these locations, with the exception of MW3I. With respect to MW3I, total PFAS were generally low, from 2023 through

September 2025, making the increase in December 2025 anomalous and likely the result of field cross-contamination as discussed in Section 3.2.1.

Upgradient monitoring wells MW5S and MW5I contain PFAS likely attributable to an off-Site source.

PFAS will continue to be evaluated against applicable criteria and historical data during future monitoring events.

3.3. MNA Parameters

The results of December 2025 MNA parameter analyses are summarized in Table 3 and historical data is summarized in Table 4C. Trend graphs for MNA parameters are in Appendix C-3.

MNA parameters were analyzed in samples from monitoring wells within and surrounding the source area (MW2R, MW3S, MW3I, MW4S and MW4I). Analyses included dissolved iron, total iron, sulfate, and dissolved gases (ethane, ethene, methane). Data for these parameters have been collected as part of ongoing monitoring following the IRM injections for the purpose of establishing geochemical trends and evaluating the efficacy of CVOC degradation.

3.3.1. Iron

When ZVI is injected, it readily oxidizes and releases Fe^{2+} ions into groundwater, resulting in a noticeable increase in dissolved iron levels (Lawrinenko, et. al., 2023). The primary purpose of the injected iron is to provide an electron donor to reduce CVOCs (i.e., degrade higher chlorinated VOCs to lower chlorinated VOCs through the process of chemical reduction). Further, under typical natural attenuation conditions, decreasing total iron concentrations, coupled with increasing dissolved iron concentrations suggest anaerobic dechlorination is occurring.

In December 2025, dissolved and total iron were present in all sampled wells, with highest concentrations in MW3S, as expected⁴. In MW3S, post-injection concentrations of total iron dropped quickly after injection and remained relatively low, while dissolved iron increased throughout 2023, and appear to have leveled off at a relatively high concentration (80 to 120 $\mu\text{g/L}$) throughout 2024 and 2025.

Dissolved iron is consistently present and total iron has decreased significantly in the five sampled wells relative to starting conditions, suggesting that degradation of CVOCs is occurring via chemical reduction as the result of the ZVI injections and natural attenuation, particularly in and immediately downgradient from the source area. However, with concentrations decreasing in wells outside of the source zone, the anaerobic degradation via iron-reduction brought on by the ZVI injections may now be slowing outside of the ZVI injection areas.

⁴ MW3S is the singular well located within the source area injection zone and has displayed the greatest rates of CVOC degradation to date among sampled wells.

3.3.2. Sulfate

Depleted concentrations of sulfate relative to background/baseline indicate that conditions conducive to anaerobic dechlorination via sulfate reduction are present. Sulfate concentrations measured in all wells in December 2025 are sufficiently low to expect anaerobic dechlorination to occur. Sulfate has been decreasing significantly over time in the four shallow monitoring wells, generally steady to slightly decreasing in MW3I, and increasing slightly in MW4I. These data, in combination with negative oxidation reduction potential (ORP) values and low-to-absent dissolved oxygen in the majority of the wells, suggest that biological degradation through sulfate reduction is likely to be occurring in the shallow wells and may be occurring in the intermediate wells.

3.3.3. Dissolved Gases

Elevated concentrations of methane, as well as ethane and ethene, suggest that conditions are conducive to anaerobic degradation.⁵ Methane was detected in all monitoring wells sampled, with overall increasing or steadily elevated trends (particularly within the source area, especially injection zone well MW3S) from 2023 through 2024, before temporarily falling through early 2025, then increasing again in September and December 2025 in most wells (MW1R, MW3S, MW3I, MW4I).

As of December 2025, favorable methane conditions (i.e., concentrations well above 500 ug/L) continue to exist in all but MW2R, where methane was measured at a concentration of 320 ug/L in December 2025. This suggests conditions that support methanogenesis is an active component of anaerobic degradation occurring at the Site, particularly in the source zone.

3.4. QuantArray-Chlor Data

The results of the December 2025 QuantArray-Chlor analyses are included in Appendix B. The QuantArray-Chlor data continue to show that mid to high microbial populations remain present in MW3S (i.e., in the source injection zone), while low to mid microbial populations remain present in the other analyzed wells (MW3I, MW4S, and MW4I, immediately adjacent to the source injection zone).

The remainder of this summary focuses specifically on dehalococcoides (DHC), as this is the only known bacterial group capable of complete reductive dechlorination of PCE and TCE to ethene and therefore provides the most relevant/representative data with respect to natural attenuation conditions at the Site.

Consistent with prior quarterly sampling events, the highest DHC concentration was observed at MW3S, which is within the source injection zone, at 990,000 cells/mL. Concentrations at other wells were lower (MW3I at 1,600 cells/mL, MW4S at 8.8 cells/mL, and MW4I at 20,000 cells/mL). Concentrations above 10,000 cells/ml are generally indicative of increased biological degradation potential. As such,

⁵ Although higher levels of ethane and ethene may also imply ongoing anaerobic dechlorination, methane typically serves as the principal indicator because ethene and ethane are subject to rapid degradation; thus, their absence does not necessarily indicate that CVOC biodegradation is not taking place.

December 2025 data suggest that conditions, particularly in the source zone, remain well above this threshold for increased biological degradation.

3.5. BTEX Detections

Benzene, toluene, ethylbenzene, and/or xylenes (BTEX) concentrations remain elevated in upgradient well MW5S, but concentrations are decreasing over time. With respect to the down/cross gradient well MW1R) in which BTEX has been elevated since 2024 (see Section 3.5.1), petroleum-related non-aqueous phase liquid (NAPL) persists but the sampled groundwater was below detection limits for all VOCs during the December 2025 event.

There is no evidence that the presence of BTEX and NAPL are attributable to a Site-related source. Review of historical and current Site information indicates that the facility is and was historically heated using natural gas, and petroleum products are not stored or used on the Site in significant quantities⁶.

3.5.1. Off-Site Pilot Spill Response

In March 2024, because of the NYSDEC's Spill Response Team's tracing of a spill reported in Ley Creek and Onondaga Lake, petroleum NAPL was discovered in the new stormwater collection system located in the southeastern portion of the Property (Figure 2). The source of the spill was determined to be petroleum that migrated from the adjacent property, a Pilot fuel station, at 107 7th North Street. NYSDEC assigned NYSDEC Spill Number 2310035 and ultimately linked it to an existing Pilot spill (NYSDEC Spill Number 1511262).

Although Pilot has taken measures to mitigate the release, GEI continues to observe NAPL in MW1R.

GEI first notified the Applicant, Pilot, and the NYSDEC of this observation in December 2024. At that time, GEI initially bailed the product from the well, recovering approximately 500 milliliters of diesel-like material, which was sampled for petroleum hydrocarbon identification analyses. The laboratory analysis confirmed the NAPL to be diesel fuel.

Between December 2024 and present, Pilot's representatives have performed several monitoring and vacuum extraction events in MW1R. Post-vacuum extraction monitoring indicated little to no measurable NAPL in MW1R following the vacuum extraction events. However, NAPL continues to accumulate in the well over time, which Pilot purges periodically (most recently in November 2025).

Sovereign Consulting of Oxford Connecticut, on behalf of Pilot, installed five wells around MW1R in May 2025 to further characterize the spill conditions; one of which is on Applicant property (MW1C), and two of which are in the 7th North Street right-of-way (MW1D and MW1E). The remaining two (MW1A and MW1B) are on the adjacent 109 7th North Street property (Sposato Flooring Showroom).

⁶ A pair of heating fuel oil underground storage tanks (USTs) were formerly located on a property located southwest of the Site, which the Applicant purchased as part of their facility renovation project. (This property is currently a parking area for the new facility.) The applicant properly removed these USTs and surrounding soil under NYSDEC Spill No. 2302335 as part of the facility renovation. The applicant received an No Further Action determination from NYSDEC on December 19, 2023.

The five wells are four inches in diameter and screened approximately from 2 to 12 feet (same as MW1R). Pilot's representatives did not observe evidence of petroleum impacts during or after installation of these five wells and has not observed NAPL in these new wells to date. Similarly, GEI has not observed NAPL in MW1C, MW1D, or MW1E during any sampling event to date.

As water is purged from MW1R during quarterly sampling events, NAPL is often drawn in from the surrounding formation. Depending on the NAPL conditions during each sampling event, GEI has employed different approaches during sampling, including low-flow sampling as planned per the GEI's standard operating procedure in March 2025, forgoing sampling in June 2025 (because NAPL could not be separated from groundwater), and using a volumetric purge technique (September 2025 and December 2025). Specific to the December 2025 event, approximately 3 gallons of NAPL and groundwater were purged from the well prior to sampling. To avoid fouling of the flow-through cell, field parameters were not measured with a water quality meter during purging. After approximately three well volumes of water were purged, the well was allowed to recharge for approximately 15 minutes before the sample was collected. The sample was collected via peristaltic pump, similar to prior sampling methods for this monitoring well.

3.5.2. Unknown Upgradient Source

Based on the inferred direction of groundwater flow, as well as the knowledge that gasoline is and was not historically stored on Site, the impacts in MW5S are assumed to come from an upgradient off-Site source in the vicinity of Luther Avenue. Sheen and fuel-like odor were observed in MW5S during the March 2025 sampling event but were not observed during subsequent events, although a fuel-like odor was observed in MW5S during the December 2025 event. Total BTEX concentrations in MW5S have been decreasing from February 2023 through December 2025.

4. Summary

Quarterly field monitoring was conducted in December 2025, including gauging 16 wells and sampling for VOCs, PFAS and MNA parameters at 16 wells, depending on location. Overall, the data support continued attenuation of CVOCs and continue to document the petroleum-related impacts from off-Site source(s).

Analytical results indicate CVOC concentrations were detected above New York State AWQS in eight wells, mainly near the source area. PCE concentrations are showing an overall decrease in the monitored wells, and recent data indicate that degradation products are also declining in many of these locations. Analytical results for MNA parameters and microbial populations support the finding of declining trends, indicating that conditions conducive for ongoing anaerobic degradation and reductive dechlorination are present, especially in the source area.

CVOCs were again reported in MW1D and MW1E⁷ at concentrations greater than surrounding wells.

The groundwater monitoring program will continue on a quarterly basis. In addition to the regular ISMP sampling program, GEI will continue to sample groundwater from Pilot wells MW1C, MW1D and MW1E and analyze for VOCs, similar to recent events.

Additionally, a Supplemental Remedial Investigation Work Plan is being submitted separately, which will include installation of additional wells downgradient from the Site. These investigations will be performed outside of the ISMP, but monitoring of those wells, once installed, will likely coincide with an upcoming ISMP quarterly sampling event.

⁷ These are two of the five the new wells installed by others to further investigate/characterize the off-site petroleum impacts and then voluntarily sampled by UniFirst for VOCs in June 2025, September 2025, and December 2025.

5. References

GEI Consultants, Inc., 2025a. Construction Completion Report for Phase 1 Vapor Mitigation System. July 18, 2025.

GEI Consultants, Inc., 2025b. Construction Completion Report for Phase 2 Building Interim Remedial Measures. August 29, 2025.

GEI Consultants, Inc., 2025c. Interim Site Management Plan for 113 7th North Street Site. September 30, 2025.

Michael Lawrinenko, Sudarshan Kurwadkar, Richard T. Wilkin (2023). “Long-term performance evaluation of zero-valent iron amended permeable reactive barriers for groundwater remediation – A mechanistic approach”, *Geoscience Frontiers*, Volume 14, Issue 2.

New York State Department of Environmental Conservation (NYSDEC), 2010. Technical Guidance for Site Investigation and Remediation. DER-10.

New York State Department of Environmental Conservation (NYSDEC), 2021. Brownfield Site Cleanup Agreement for 113 7th North Street Site. August 4, 2021 executed October 12, 2021.

New York State Department of Environmental Conservation (NYSDEC), 2023. “NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) Number 1.1.1”. June 1998 with appendices through February 2023.

New York State Department of Environmental Conservation (NYSDEC), 2023. Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDCE’s Part 375 Remedial Programs. April 2023.

United States Environmental Protection Agency (USEPA) Contaminated Sites Clean-Up Information (CLU-IN), 2025. “Bioremediation: anaerobic bioremediation”. Last updated November 7, 2025.

Tables

Table 1 Groundwater Elevation Data

Table 2 Groundwater Sampling Scope of Work

Table 3 Groundwater Analysis Results

Table 4A Historical Groundwater VOC Analysis Results

Table 4B Historical Groundwater PFAS Analysis Results

Table 4C Historical Groundwater Natural Attenuation Parameter Results

Table 1. Groundwater Elevation Data
UniFirst Corporation
Liverpool, NY
BCP Site No. 734152

Well ID	Screened Interval	Reference Elevation	Groundwater Measurements									
			12/9/2024		3/11/2025		6/16/2025		9/23/2025		12/9/2025	
			DTW	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation
MW1R	4 - 14	374.01	4.70	369.31	4.03	369.98	4.43	369.58	4.38	369.63	4.02	369.99
MW1C	2 - 12	374.51	NM	NM	NM	NM	4.96	369.55	4.94	369.57	4.90	369.61
MW1D	2 - 12	373.26	NM	NM	NM	NM	4.58	368.68	4.62	368.64	4.52	368.74
MW1E	2 - 12	373.10	NM	NM	NM	NM	4.8	368.30	4.99	368.11	4.66	368.44
MW2R	4 - 14	376.48	5.25	371.23	4.79	371.69	5.18	371.30	5.70	370.78	5.21	371.27
MW3S	4 - 14	376.35	4.72	371.63	4.11	372.24	4.55	371.80	5.20	371.15	4.57	371.78
MW3I	26 - 36	376.24	5.48	370.76	4.52	371.96	4.86	371.38	5.50	370.74	5.12	371.12
MW4S	4 - 14	376.45	4.97	371.48	4.44	371.91	4.94	371.51	5.50	370.95	4.77	371.68
MW4I	26 - 36	376.32	5.78	370.54	4.85	371.39	5.20	371.12	6.25	370.07	5.42	370.9
MW5S	5 - 15	374.66	3.32	371.34	3.19	373.26	3.35	371.31	3.60	371.06	3.24	371.42
MW5I	34 - 44	374.66	3.73	370.93	2.65	373.67	3.05	371.61	4.19	370.47	3.42	371.24
MW6	8 - 18	374.06	4.83	369.23	4.38	370.28	4.65	369.41	4.84	369.22	4.48	369.58
MW7	8 - 18	375.26	5.95	369.31	5.35	369.31	5.70	369.56	6.18	369.08	5.71	369.55
MW8	5 - 15	375.64	6.41	369.23	5.92	368.14	6.31	369.33	6.89	368.75	6.17	369.47
MW9S	5 - 15	374.10	2.17	371.93	2.02	373.24	2.54	371.56	3.08	371.02	NM	
MW9I	26 - 36	374.21	3.32	370.89	2.35	373.29	2.74	371.47	3.85	370.36	NM	
MW10	8 - 18	373.72	2.44	371.28	2.36	371.74	2.38	371.34	2.80	370.92	NM	
MW11	6 - 16	373.50	5.79	367.71	5.43	368.78	5.90	367.60	6.29	367.21	5.78	367.72
MW12S	5 - 15	371.91	4.32	367.59	4.01	369.71	4.44	367.47	4.90	367.01	4.44	367.47
MW12I	25 - 35	371.98	1.75	370.23	1.26	372.24	1.23	370.75	2.23	369.75	1.50	370.48
MW13S	5 - 15	372.71	5.19	367.52	4.92	366.99	5.31	367.40	5.82	366.89	5.32	367.39
MW13I	20 - 30	372.59	5.18	367.41	4.42	367.56	4.89	367.70	5.5	367.09	5.20	367.39

Notes:

Screened interval reported in feet below top of well casing

DTW = depth to water in feet below measuring point

Elevation = Measurement of elevation in feet above datum (NAVD83)

NM = not measured, due to a thick layer of ice present over these flush mounted wells (MW9S, MW9I and MW10) in December 2025

Table 2. Groundwater Sampling Scope of Work**UniFirst Corporation****Liverpool, NY****BCP Site No. 734152**

Well ID	Screened Interval (ft BTIC)	Water Level ¹	VOCs (Method 8260) Alpha	PFAS (Method 1633) Alpha	MNA Parameters (Various Methods ²) Alpha	DHC Census (qPCR) Microbial Insights
MW1R	4 - 14	X	X	--	X	--
MW2R	4 - 14	X	X	--	X	--
MW3S	4 - 14	X	X	X	X	X
MW3I	26 - 36	X	X	X	X	X
MW4S	4 - 14	X	X	X	X	X
MW4I	26 - 36	X	X	X	X	X
MW5S	5 - 15	X	X	X	--	--
MW5I	34 - 44	X	X	X	--	--
MW6 ⁴	8 - 18	X	X	--	--	--
MW7	8 - 18	X	X	--	--	--
MW8 ⁴	5 - 15	X	X	--	--	--
MW9S ⁴	5 - 15	X	--	--	--	--
MW9I ⁴	26 - 36	X	--	--	--	--
MW10 ⁴	8 - 18	X	--	--	--	--
MW11	6 - 16	X	X	--	--	--
MW12S	5 - 15	X	X	--	--	--
MW12I	25 - 35	X	--	--	--	--
MW13S	5 - 15	X	--	--	--	--
MW13I	20 - 30	X	--	--	--	--
MW-1C ³	2 - 12	X	X	--	--	--
MW-1D ³	2 - 12	X	X	--	--	--
MW-1E ³	2 - 12	X	X	--	--	--

NOTES:

BTIC = below top of casing

VOCs = Volatile organic compounds

PFAS = Per- and polyfluoroalkyl substances

MNA = Monitored natural attenuation

DHC Census (qPCR) = Dehalococcoides Census quantitative real-time polymerase chain reaction analysis

X = included in monitoring program

-- = not part of monitoring program

1. A full round of water levels are performed at start of event, prior to sampling.

2. MNA parameters consist of dissolved and total iron by Method 6010B, ethene, ethane and methane by Method RSK-175, and sulfate by Method 121,4500SO4-E. The dissolved iron samples are field-filtered using a disposable 0.45 micron in-line filters.

3. MW1C, MW1D, and MW1E were installed by others in May 2025, associated with a 3rd party petroleum spill (NYSDEC Spill No. 2310035), and voluntarily sampled by UniFirst for VOCs, with NYSDEC project manager's (Michael Belveg's) approval via email dated June 9, 2025.

Table 3. Groundwater Analysis Results
UniFirst Corporation
Liverpool, NY
BCP Site No. 734152

Sample Name Sample Date Parent Sample				MW1C 12/10/2025		MW1D 12/10/2025		MW1E 12/10/2025		MW1R 12/9/2025		MW2R 12/9/2025		MW3S 12/10/2025		MW3I 12/10/2025		MW4S 12/11/2025		DUP 12/11/2025 MW4S		MW4I 12/11/2025		MW5S 12/11/2025		DUP 12/11/2025 MW5S		MW5I 12/11/2025		MW6 12/9/2025		MW7 12/9/2025		MW8 12/9/2025		MW11 12/9/2025		MW12S 12/9/2025			
Analyte			Units	CAS No.	AWQS																																				
Volatile Organic Compounds			ug/L																																						
Acetone				67-64-1	50*	40	U	200	U	1000	U	50	U	10	U	20,000	U	10	U	4,000	U	8,000	U	400	U	200	U	--		10	U	10	U	10	U	40	U	10	U	10	U
Benzene				71-43-2	1	4	U	20	U	100	U	5	U	1	U	2,000	U	1	U	400	U	800	U	40	U	12	J	--		1	U	1	U	1	U	4	U	1	U	1	U
Bromodichloromethane				75-27-4	50*	4	U	20	U	100	U	5	U	1	U	2,000	U	1	U	400	U	800	U	40	U	20	U	--		1	U	1	U	1	U	4	U	1	U	1	U
Bromoform				75-25-2	50*	4	U	20	U	100	U	5	U	1	U	2,000	U	1	U	400	U	800	U	40	U	20	U	--		1	U	1	U	1	U	4	U	1	U	1	U
Bromomethane				74-83-9	5	4	U	20	U	100	U	5	U	1	U	2,000	U	1	U	400	U	800	U	40	U	20	U	--		1	U	1	U	1	U	4	U	1	U	1	U
Carbon disulfide				75-15-0	60*	4	U	20	U	100	U	5	U	1	U	2,000	U	1	U	400	U	800	U	40	U	20	U	--		1	U	1	U	1	U	4	U	1	U	1	U
Carbon tetrachloride				56-23-5	5	4	U	20	U	100	U	5	U	1	U	2,000	U	1	U	400	U*	800	U	40	U	20	U	--		1	U	1	U	1	U	4	U	1UF1		1	U
Chlorobenzene				108-90-7	5	4	U	20	U	100	U	5	U	1	U	2,000	U	1	U	400	U	800	U	40	U	20	U	--		1	U	1	U	1	U	4	U	1	U	1	U
Chloroethane				75-00-3	5	4	U	20	U	100	U	5	U	1	U	2,000	U	1	U	400	U	800	U	40	U	20	U	--		1	U	1	U	1	U	4	U	1	U	1	U
Chloroform (Trichloromethane)				67-66-3	7	4	U	20	U	100	U	5	U	1	U	2,000	U	1	U	400	U	800	U	40	U	20	U	--		1	U	1	U	1	U	4	U	1	U	1	U
Chloromethane				74-87-3	5	4	U	20	U	100	U	5	U	1	U	2,000	U	1	U	400	U	800	U	40	U	20	U	--		1	U	1	U	1	U	4	U	1	U	1	U
Cyclohexane				110-82-7	NE	4	U	20	U	100	U	5	U	1	U	2,000	U	1	U	400	U	800	U	40	U	310		--		1	U	1	U	1	U	4	U	1	U	1	U
1,2-Dibromo-3-chloropropane				96-12-8	0.04	4	U	20	U	100	U	5	U	1	U	2,000	U	1	U	400	U	800	U	40	U	20	U	--		1	U	1	U	1	U	4	U	1	U	1	U
Dibromochloromethane				124-48-1	50*	4	U	20	U	100	U	5	U	1	U	2,000	U	1	U	400	U	800	U	40	U	20	U	--		1	U	1	U	1	U	4	U	1	U	1	U
1,2-Dibromoethane (EDB)				106-93-4	0.0006	4	U	20	U	100	U	5	U	1	U	2,000	U	1	U	400	U	800	U	40	U	20	U	--		1	U	1	U	1	U	4	U	1	U	1	U
1,2-Dichlorobenzene (o-DCB)				95-50-1	3	4	U	20	U	100	U	5	U	1	U	2,000	U	1	U	400	U	800	U	40	U	20	U	--		1	U	1	U	1	U	4	U	1	U	1	U
1,3-Dichlorobenzene (m-DCB)				541-73-1	3	4	U	20	U	100	U	5	U	1	U	2,000	U	1	U	400	U	800	U	40	U	20	U	--		1	U	1	U	1	U	4	U	1	U	1	U
1,4-Dichlorobenzene (p-DCB)				106-46-7	3	4	U	20	U	100	U	5	U	1	U	2,000	U	1	U	400	U	800	U	40	U	20	U	--		1	U	1	U	1	U	4	U	1	U	1	U
Dichlorodifluoromethane (Freon 12)				75-71-8	5	4	U	20	U	100	U	5	U	1	U	2,000	U	1	U	400	U*	800	U	40	U	20	U	--		1	U	1	U	1	U	4	U	1UF1		1	U
1,1-Dichloroethane				75-34-3	5	4	U	20	U	100	U	5	U	1	U	2,000	U	1	U	400	U	800	U	40	U	20	U	--		1	U	1	U	1	U	4	U	1	U	1	U
1,2-Dichloroethane				107-06-2	0.6	4	U	20	U	100	U	5	U	1	U	2,000	U	1	U	400	U	800	U	40	U	20	U	--		1	U	1	U	1	U	4	U	1	U	1	U
1,1-Dichloroethene				75-35-4	5	4	U	20	U	100	U	5	U	1	U	2,000	U	1	U	400	U	800	U	40	U	20	U	--		1	U	1	U	1	U	4	U	1	U	1	U
cis-1,2-Dichloroethene				156-59-2	5	4	U	990		960		5	U	18		71,000		25		2,400		2,000		2,900		20	U	--		1	U	1	U	1	U	4	U	1	U	1.3	
trans-1,2-Dichloroethene				156-60-5	5	4	U	20	U	100	U	5	U	1	U	2,000	U	1	U	400	U	800	U	40	U	20	U	--		1	U	1	U	1	U	4	U	1	U	1	U
1,2-Dichloropropane				78-87-5	1	4	U	20	U	100	U	5	U	1	U	2,000	U	1	U	400	U	800	U	40	U	20	U	--		1	U	1	U	1	U	4	U	1	U	1	U
cis-1,3-Dichloropropene				10061-01-5	0.4	4	U	20	U	100	U	5	U	1	U	2,000	U	1	U	400	U	800	U	40	U	20	U	--		1	U	1	U	1	U	4	U	1	U	1	U
trans-1,3-Dichloropropene				10061-02-6	0.4	4	U	20	U	100	U	5	U	1	U	2,000	U	1	U	400	U	800	U	40	U	20	U	--		1	U	1	U	1	U	4	U	1	U	1	U
Ethylbenzene				100-41-4	5	4	U	20	U	100	U	5	U	1	U	2,000	U	1	U	400	U	800	U	40	U	230		--		1	U	1	U	1	U	4	U	1	U	1	U
2-Hexanone				591-78-6	50*	20	U	100	U	500	U	25	U	5	U	10,000	U	5	U	2,000	U	4,000	U	200	U	100	U	--		5	U	5	U	5	U	20	U	5	U	5	U
Isopropylbenzene				98-82-8	5	4	U	20	U	100	U	5	U																												

Table 3. Groundwater Analysis Results
UniFirst Corporation
Liverpool, NY
BCP Site No. 734152

Sample Name Sample Date Parent Sample				MW1C	MW1D	MW1E	MW1R	MW2R	MW3S	MW3I	MW4S	DUP	MW4I	MW5S	DUP	MW5I	MW6	MW7	MW8	MW11	MW12S								
12/10/2025				12/10/2025	12/10/2025	12/10/2025	12/9/2025	12/9/2025	12/10/2025	12/10/2025	12/11/2025	12/11/2025	12/11/2025	12/11/2025	12/11/2025	12/11/2025	12/9/2025	12/9/2025	12/9/2025	12/9/2025	12/9/2025								
Analyte	Units	CAS No.	AWQS																										
PFAS	ng/L																												
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)		763051-92-9	NE	--	--	--	--	--	1.6	U	1.4	U	1.8	U	--	1.6	U	1.6	U	1.7	U	1.6	U	--	--	--	--	--	--
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)		914637-49-3	NE	--	--	--	--	--	8	J	7.1	U	9	U	--	8.2	U	7.8	U	8.5	U	7.9	U	--	--	--	--	--	--
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)		812-70-4	NE	--	--	--	--	--	8.1	U	7.1	U	9	U	--	8.2	U	7.8	U	8.5	U	7.9	U	--	--	--	--	--	--
3-Perfluoropropyl Propanoic Acid (3:3FTCA)		356-02-5	NE	--	--	--	--	--	3.2	U	2.9	U	3.6	U	--	3.3	U	3.1	U	3.4	U	3.2	U	--	--	--	--	--	--
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		919005-14-4	NE	--	--	--	--	--	1.6	U	1.4	U	1.8	U	--	1.6	U	1.6	U	1.7	U	1.6	U	--	--	--	--	--	--
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)		756426-58-1	NE	--	--	--	--	--	1.6	U	1.4	U	1.8	U	--	1.6	U	1.6	U	1.7	U	1.6	U	--	--	--	--	--	--
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)		4151-50-2	NE	--	--	--	--	--	1.6	U	1.4	U	1.8	U	--	1.6	U	1.6	U	1.7	U	1.6	U	--	--	--	--	--	--
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)		1691-99-2	NE	--	--	--	--	--	8.1	U	7.1	U	9	U	--	8.2	U	7.8	U	8.5	U	7.9	U	--	--	--	--	--	--
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		2991-50-6	NE	--	--	--	--	--	1.6	U	1.4	U	1.8	U	--	1.6	U	1.6	U	1.7	U	1.6	U	--	--	--	--	--	--
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)		31506-32-8	NE	--	--	--	--	--	1.6	U	1.4	U	1.8	U	--	1.6	U	1.6	U	1.7	U	1.6	U	--	--	--	--	--	--
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)		24448-09-7	NE	--	--	--	--	--	8.1	U	7.1	U	9	U	--	8.2	U	7.8	U	8.5	U	7.9	U	--	--	--	--	--	--
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		2355-31-9	NE	--	--	--	--	--	1.3	J	0.47	J	1.8	U	--	1.6	U	1.6	U	1.7	U	1.6	U	--	--	--	--	--	--
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		151772-58-6	NE	--	--	--	--	--	1.6	U	1.4	U	1.8	U	--	1.6	U	1.6	U	1.7	U	1.6	U	--	--	--	--	--	--
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		113507-82-7	NE	--	--	--	--	--	1.6	U	1.4	U	1.8	U	--	1.6	U	1.6	U	1.7	U	1.6	U	--	--	--	--	--	--
Perfluoro(2-Propoxypropanoic) Acid		13252-13-6	NE	--	--	--	--	--	1.6	U	1.4	U	1.8	U	--	1.6	U	1.6	U	1.7	U	1.6	U	--	--	--	--	--	--
Perfluoro-3-methoxypropanoic acid (PFMPA)		377-73-1	NE	--	--	--	--	--	1.6	U	1.4	U	1.8	U	--	1.6	U	1.6	U	1.7	U	1.6	U	--	--	--	--	--	--
Perfluoro-4-methoxybutanoic acid (PFMBA)		863090-89-5	NE	--	--	--	--	--	1.6	U	1.4	U	1.8	U	--	1.6	U	1.6	U	1.7	U	1.6	U	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)		375-73-5	NE	--	--	--	--	--	7.1		1.2	J	2.9		--	1.6	U	3.5		3.7		1.6	U	--	--	--	--	--	--
Perfluorobutanoic acid (PFBA)		375-22-4	NE	--	--	--	--	--	13		3.3		5.8		--	1.1	J	3.1	U	11		1.3	J	--	--	--	--	--	--
Perfluorodecanesulfonic acid (PFDS)		335-77-3	NE	--	--	--	--	--	1.6	U	1.4	U	1.8	U	--	1.6	U	1.6	U	1.7	U	1.6	U	--	--	--	--	--	--
Perfluorodecanoic acid (PFDA)		335-76-2	NE	--	--	--	--	--	1.6	U	0.4	J	2.1		--	1.6	U	1.6	U	1.7	U	1.6	U	--	--	--	--	--	--
Perfluorododecanesulfonic Acid (PFDoS)		79780-39-5	NE	--	--	--	--	--	1.6	U	1.4	U	1.8	U	--	1.6	U	1.6	U	1.7	U	1.6	U	--	--	--	--	--	--
Perfluorododecanoic acid (PFDoA)		307-55-1	NE	--	--	--	--	--	1.6	U	1.4	U	1.8	U	--	1.6	U	1.6	U	1.7	U	1.6	U	--	--	--	--	--	--
Perfluoroheptanesulfonic acid (PFHpS)		375-92-8	NE	--	--	--	--	--	1.5	J	1.4	U	0.45	J	--	1.6	U	0.74	J	0.78	J	1.6	U	--	--	--	--	--	--
Perfluoroheptanoic acid (PFHpA)		375-85-9	NE	--	--	--	--	--	12		1.1	J	4.1		--	1.6	U	6.3		6.6		1.6	U	--	--	--	--	--	--
Perfluorohexanoic acid (PFHxA)		307-24-4	NE	--	--	--	--	--	21		2.4		5.5		--	1.6	U	7.9		8.1		1.1	J	--	--	--	--	--	--
Perfluorononanesulfonic Acid (Pfns)		68259-12-1	NE	--	--	--	--	--	1.6	U	1.4	U	1.8	U	--	1.6	U	1.6	U	1.7	U	1.6	U	--	--	--	--	--	--
Perfluorooctanesulfonamide (FOSA)		754-91-6	NE	--	--	--	--	--	1.6	U	1.4	U	1.8	U	--	1.6	U	1.6	U	1.7	U	1.6	U	--	--	--	--	--	--
Perfluoropentanesulfonic Acid (Pfpes)		2706-91-4	NE	--	--	--	--	--	2.7		0.38	J	1.8	U	--	1.6	U	1.6	U	1.7	U	1.6	U	--	--	--	--	--	--
Perfluoropentanoic Acid (PFPeA)		2706-90-3	NE	--	--	--	--	--	19		4		6.7		--	1.6	U	11		10		1.2	J	--	--	--	--	--	--
Perfluorotetradecanoic acid (PFTA/PFTeDA)		376-06-7	NE	--	--	--	--	--	1.6	U	1.4	U	1.8	U	--	1.6	U	1.6	U	1.7	U	1.6	U	--	--	--	--	--	--
Perfluorotridecanoic acid (PFTriA/PFTTrDA)		72629-94-8	NE	--	--	--	--	--	1.6	U	1.4	U	1.8	U	--	1.6	U	1.6	U	0.87	J	1.6	U	--	--	--	--	--	--
Perfluoroundecanoic acid (PFUnA)		2058-94-8	NE	--	--	--	--	--	1.6	U	1.4	U	1.8	U	--	1.6	U	1.6	U	1.7	U	1.6	U	--	--	--	--	--	--
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)		39108-34-4	NE	--	--	--	--	--	3.2	U	2.9	U	3.6	U	--	3.3	U	3.1	U	3.4	U	3.2	U	--	--	--	--	--	--
Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)		757124-72-4	NE	--	--	--	--	--	3.2	U	2.9	U	3.6	U	--	3.3	U	3.1	U	3.4	U	3.2	U	--	--	--	--	--	--
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)		27619-97-2	NE	--	--	--	--	--	3.2	U	2.9	U	3.6	U	--	3.3	U	3.1	U	3.4	U	10		--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)		355-46-4	NE	--	--	--	--	--	9.2		1.2	J	2.3		--	1.6	U	3.2		3.3		1.6	U	--	--	--	--	--	--
Perfluorononanoic Acid (PFNA)		375-95-1	NE	--	--	--	--	--	1.8		0.6	J	3.7	I	--	1.6	U	1.4	J	1.5	J	1.6	U	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)		1763-23-1	2.7	--	--	--	--	--	39		28		28		--	1.6	U	26		27		1.6	U	--	--	--	--	--	--
Perfluorooctanoic Acid (PFOA)		335-67-1	6.7	--	--	--	--	--	33		2.4		12		--	1.6	U	25		23		1.6	U	--	--	--	--	--	--
Total PFAS		N/A	NE	--	--	--	--	--	168.6		45.45		73.55		--	1.1		85.04		95.85		13.6		--	--	--	--	--	--
Monitored Natural Attenuation Parameters	ug/L																												
Ethane		74-84-0	NE	--	--	--	170	U	83	U	820		93		330	U	--	83	U	--	--	--	--	--	--	--	--	--	--
Ethene		74-85-1	NE	--	--	--	150	U	77	U	26,000		6.5	J	310	U	--	54	J	--	--	--	--	--	--	--	--	--	--
Methane		74-82-8	NE	--	--	--	2,400		320		6,900		1,300		1,400		--	1,800		--	--	--	--	--	--	--	--	--	--
Sulfate		14808-79-8	250000	--	--	--	14,300		15,300	J	20,000	U	73,500		146,000		--	134,000		--	--	--	--	--	--	--	--	--	--
Iron, Dissolved		7439-89-6	300	--	--	--	240		170		81,400	B	540		110		--	1,400		--	--	--	--	--	--	--	--	--	--
Iron, Total		7439-89-6	300	--	--	--	3,300		520		85,100		1,300		660		--	1,400		--	--	--	--	--	--	--	--	--	--

Table 3. Groundwater Analysis Results
UniFirst Corporation
Liverpool, NY
BCP Site No. 734152

Notes:
Data for these sampling events have not been validated. Qualifiers are Lab Qualifiers.
Analytes in blue are not detected in any sample
ng/L = nanogram per liter (ppt)
ug/L = micrograms per liter or parts per billion (ppb)

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes
PFAS = Per- and polyfluoroalkyl substances
VOC = Volatile Organic Compound

Total PFAS and Total VOCs are calculated using detects only

AWQS = New York State Ambient Water Quality Standards and Guidance Values for GA groundwater
* indicates the value is a guidance value and not a standard

CAS No. = Chemical Abstracts Service Number
ND = Not Detected
NE = Not Established
N/A = Not Applicable

Bolding indicates a detected result concentration
Shading and bolding indicates that the detected concentration is above the NYSDOH guidance to which it was compared

Laboratory Qualifiers:
+/- = result may be biased high/low, respectively
* = The duplicate result was not within control limits
F1 = MS and/or MSD recovery exceeds the control limits
I = The lower value for the two columns has been reported due to obvious interference
J = The result is an estimated value
U = The result was not detected above the reporting limit

Table 4A. Historical Groundwater VOC Analysis Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

Analyte	Units	Sample Name Sample Date		MW1 5/28/2020		MW1 3/21/2021		MW1 7/10/2021		MW1 11/22/2021		MW1 2/28/2022		MW1_G 2/7/2023	
		CAS No.	NYS AWQS												
Volatile Organic Compounds	ug/L														
Acetone		67-64-1	50*	36	J	5	U	5	U	5	UJ	5	U	5	U
Benzene		71-43-2	1	5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.18	J
Bromochloromethane		74-97-5	5	25	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromodichloromethane		75-27-4	50*	5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform		75-25-2	50*	20	U	2	U	2	U	2	U	2	U	2	U
Bromomethane		74-83-9	5	25	U	2.5	UJ	2.5	UJ	2.5	U	2.5	U	2.5	UJ
Carbon disulfide		75-15-0	60*	50	U	5	U	5	U	5	U	5	U	5	UJ
Carbon tetrachloride		56-23-5	5	5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene		108-90-7	5	25	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroethane		75-00-3	5	25	UJ	2.5	UJ	2.5	UJ	2.5	U	2.5	U	2.5	U
Chloroform (Trichloromethane)		67-66-3	7	25	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloromethane		74-87-3	5	25	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Cyclohexane		110-82-7	NE	100	U	10	U	10	U	10	UJ	10	U	10	U
1,2-Dibromo-3-chloropropane		96-12-8	0.04	25	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Dibromochloromethane		124-48-1	50*	5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dibromoethane (EDB)		106-93-4	0.0006	20	U	2	U	2	U	2	U	2	U	2	U
1,2-Dichlorobenzene (o-DCB)		95-50-1	3	25	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichlorobenzene (m-DCB)		541-73-1	3	25	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Dichlorobenzene (p-DCB)		106-46-7	3	25	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Dichlorodifluoromethane (Freon 12)		75-71-8	5	50	U	5	U	5	UJ	5	U	5	U	5	U
1,1-Dichloroethane		75-34-3	5	25	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane		107-06-2	0.6	5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethene		75-35-4	5	5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,2-Dichloroethene		156-59-2	5	80		17		20		29		24	J	37	
trans-1,2-Dichloroethene		156-60-5	5	25	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloropropane		78-87-5	1	10	U	1	U	1	U	1	U	1	U	1	U
cis-1,3-Dichloropropene		10061-01-5	0.4	5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,3-Dichloropropene		10061-02-6	0.4	5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
1,4-Dioxane		123-91-1	NE	2,500	UJ	250	UJ	250	U	250	U	250	U	250	U
Ethylbenzene		100-41-4	5	25	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
2-Hexanone		591-78-6	50*	50	U	5	U	5	U	5	U	5	U	5	U
Isopropylbenzene		98-82-8	5	25	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methyl acetate		79-20-9	NE	20	U	2	UJ	2	U	2	U	2	U	2	U
Methyl ethyl ketone (2-Butanone)		78-93-3	50*	50	U	5	U	5	U	5	U	5	U	5	U
Methyl tert-butyl ether (MTBE)		1634-04-4	10*	25	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
4-Methyl-2-pentanone (MIBK)		108-10-1	NE	50	U	5	U	5	U	5	U	5	U	5	U
Methylcyclohexane		108-87-2	NE	100	U	10	U	10	U	10	U	10	U	10	U
Methylene chloride		75-09-2	5	25	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Styrene		100-42-5	5	25	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane		79-34-5	5	5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethene (PCE)		127-18-4	5	1,400		29		8.7		22		25		52	
Tetrahydrofuran		109-99-9	50*	--		--		--		--		--		--	
Toluene		108-88-3	5	25	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		76-13-1	5	25	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene		87-61-6	5	25	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4-Trichlorobenzene		120-82-1	5	25	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,1-Trichloroethane (TCA)		71-55-6	5	25	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,2-Trichloroethane		79-00-5	1	15	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
Trichloroethene (TCE)		79-01-6	5	100		3.8		1.9		3.7		4	J	8.7	
Trichlorofluoromethane (Freon 11)		75-69-4	5	25	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Vinyl chloride		75-01-4	2	3.7	J	0.73	J	1.4	J	2	J	2		2	
o-Xylene		95-47-6	5	25	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
m/p-Xylene		179601-23-1	5	25	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Total Xylene				25	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Total VOCs		--	NE	1,619.70	J	50.53	J	32	J	56.7	J	55	J	99.88	J

Table 4A. Historical Groundwater VOC Analysis Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

Analyte	Units	Sample Name Sample Date		MW1R 7/6/2023		MW1R 11/30/2023		MW1R 12/11/2024		MW1R 3/12/2025		MW1R 9/24/2025		MW1R 12/10/2025	
		CAS No.	NYS AWQS												
Volatile Organic Compounds	ug/L														
Acetone		67-64-1	50*	5	U	5	U	2.5	J	25	U	50	U	50	U
Benzene		71-43-2	1	0.5	U	0.62	U	0.5	U	2.5	U	5	U	5	U
Bromochloromethane		74-97-5	5	2.5	U	2.5	U	2.5	U	12	U	--		--	
Bromodichloromethane		75-27-4	50*	0.5	U	0.5	U	0.5	U	2.5	U	5	U	5	U
Bromoform		75-25-2	50*	2	UJ	2	U	2	U	10	U	5	U	5	U
Bromomethane		74-83-9	5	2.5	U	2.5	U	2.5	U	12	U	5	U	5	U
Carbon disulfide		75-15-0	60*	5	U	5	U	5	U	25	U	5	U	5	U
Carbon tetrachloride		56-23-5	5	0.5	U	0.5	U	0.5	U	2.5	U	5	U	5	U
Chlorobenzene		108-90-7	5	2.5	U	2.5	U	2.5	U	12	U	5	U	5	U
Chloroethane		75-00-3	5	2.5	U	2.5	U	2.5	U	12	U	5	U	5	U
Chloroform (Trichloromethane)		67-66-3	7	2.5	U	2.5	U	2.5	U	12	U	5	U	5	U
Chloromethane		74-87-3	5	2.5	U	2.5	UJ	2.5	U	12	U	5	U	5	U
Cyclohexane		110-82-7	NE	10	U	10	U	10	U	50	U	5	U	5	U
1,2-Dibromo-3-chloropropane		96-12-8	0.04	2.5	U	2.5	U	2.5	U	12	U	5	U	5	U
Dibromochloromethane		124-48-1	50*	0.5	UJ	0.5	U	0.5	U	2.5	U	5	U	5	U
1,2-Dibromoethane (EDB)		106-93-4	0.0006	2	U	2	U	2	U	10	U	5	U	5	U
1,2-Dichlorobenzene (o-DCB)		95-50-1	3	2.5	U	2.5	U	2.5	U	12	U	5	U	5	U
1,3-Dichlorobenzene (m-DCB)		541-73-1	3	2.5	U	2.5	U	2.5	U	12	U	5	U	5	U
1,4-Dichlorobenzene (p-DCB)		106-46-7	3	2.5	U	2.5	U	2.5	U	12	U	5	U	5	U
Dichlorodifluoromethane (Freon 12)		75-71-8	5	5	U	5	U	5	U	25	U	5	U	5	U
1,1-Dichloroethane		75-34-3	5	2.5	U	2.5	U	2.5	U	12	U	5	U	5	U
1,2-Dichloroethane		107-06-2	0.6	0.5	U	0.5	U	0.5	U	2.5	U	5	U	5	U
1,1-Dichloroethene		75-35-4	5	0.18	J	0.5	U	0.5	U	2.5	U	5	U	5	U
cis-1,2-Dichloroethene		156-59-2	5	130	J	14	J	0.78	J	12	U	5	U	5	U
trans-1,2-Dichloroethene		156-60-5	5	0.71	J	2.5	U	2.5	U	12	U	5	U	5	U
1,2-Dichloropropane		78-87-5	1	1	U	1	U	1	U	5	U	5	U	5	U
cis-1,3-Dichloropropene		10061-01-5	0.4	0.5	U	0.5	U	0.5	U	2.5	U	5	U	5	U
trans-1,3-Dichloropropene		10061-02-6	0.4	0.5	U	0.5	U	0.5	U	2.5	U	5	U	5	U
1,4-Dioxane		123-91-1	NE	250	U	250	U	250	U	1,200	U	--		--	
Ethylbenzene		100-41-4	5	2.5	U	15	J	14	J	7.2	J	5	U	5	U
2-Hexanone		591-78-6	50*	5	U	5	U	5	U	25	U	25	U	25	U
Isopropylbenzene		98-82-8	5	2.5	U	3.2	J	5.4	J	12	U	5	U	5	U
Methyl acetate		79-20-9	NE	2	U	2	UJ	2	U	10	U	13	U	13	U
Methyl ethyl ketone (2-Butanone)		78-93-3	50*	5	U	5	U	5	U	25	U	50	U	50	U
Methyl tert-butyl ether (MTBE)		1634-04-4	10*	2.5	U	2.5	U	2.5	U	12	U	5	U	5	U
4-Methyl-2-pentanone (MIBK)		108-10-1	NE	5	U	5	UJ	5	U	25	U	25	U	25	U
Methylcyclohexane		108-87-2	NE	0.41	J	0.57	J	0.58	J	50	U	5	U	5	U
Methylene chloride		75-09-2	5	2.5	U	2.5	U	2.5	U	12	U	5	U	5	U
Styrene		100-42-5	5	2.5	U	2.5	U	2.5	U	12	U	5	U	5	U
1,1,2,2-Tetrachloroethane		79-34-5	5	0.5	U	0.5	U	0.5	U	2.5	U	5	U	5	U
Tetrachloroethene (PCE)		127-18-4	5	91	J	0.5	U	0.5	U	1.5	J	5	U	5	U
Tetrahydrofuran		109-99-9	50*	--		5	U	--		--		--		--	
Toluene		108-88-3	5	2.5	U	2.5	U	2.5	U	12	U	5	U	5	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		76-13-1	5	2.5	U	2.5	U	2.5	U	12	U	5	U	5	U
1,2,3-Trichlorobenzene		87-61-6	5	2.5	U	2.5	U	2.5	U	12	U	--		--	
1,2,4-Trichlorobenzene		120-82-1	5	2.5	U	2.5	U	2.5	U	12	U	5	U	5	U
1,1,1-Trichloroethane (TCA)		71-55-6	5	2.5	U	2.5	U	2.5	U	12	U	5	U	5	U
1,1,2-Trichloroethane		79-00-5	1	1.5	U	1.5	U	1.5	U	7.5	U	5	U	5	U
Trichloroethene (TCE)		79-01-6	5	27	J	0.29	J	0.5	U	2.5	U	5	U	5	U
Trichlorofluoromethane (Freon 11)		75-69-4	5	2.5	U	2.5	U	2.5	U	12	U	5	U	5	U
Vinyl chloride		75-01-4	2	54	J	14	J	0.57	J	0.61	J	5	U	5	U
o-Xylene		95-47-6	5	2.5	U	0.92	J	35	J	13	J	--		--	
m/p-Xylene		179601-23-1	5	2.5	U	2.5	U	13	J	12	U	--		--	
Total Xylene				2.5	U	0.92	J	48	J	13	J	5.1	J	10	U
Total VOCs		--	NE	303.3	J	48.6	J	71.83	J	22.31	J	5.1	J	ND	

Table 4A. Historical Groundwater VOC Analysis Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

				Sample Name		MW1C		MW1C		MW1C		MW1D		MW1D		MW1D		MW1E		MW1E		MW1E	
				Sample Date		6/18/2025		9/25/2025		12/10/2025		6/18/2025		9/25/2025		12/10/2025		6/18/2025		9/25/2025		12/10/2025	
Analyte	Units	CAS No.	NYS AWQS																				
Volatile Organic Compounds				ug/L																			
Acetone		67-64-1	50*	5.9		5.6	J	40	U	50	U	200	U	200	U	120	U	1000	U	1000	U		
Benzene		71-43-2	1	0.5	U	1	U	4	U	5	U	20	U	20	U	12	U	100	U	100	U		
Bromochloromethane		74-97-5	5	2.5	U	--		--	25	U	--		--		62	U	--		--				
Bromodichloromethane		75-27-4	50*	0.5	U	1	U	4	U	5	U	20	U	20	U	12	U	100	U	100	U		
Bromoform		75-25-2	50*	2	U	1	U	4	U	20	U	20	U	20	U	50	U	100	U	100	U		
Bromomethane		74-83-9	5	2.5	U	1	U	4	U	25	U	20	U	20	U	62	U	100	U	100	U		
Carbon disulfide		75-15-0	60*	5	U	1	U	4	U	50	U	20	U	20	U	120	U	100	U	100	U		
Carbon tetrachloride		56-23-5	5	0.5	U	1	U	4	U	5	U	20	U	20	U	12	U	100	U	100	U		
Chlorobenzene		108-90-7	5	2.5	U	1	U	4	U	25	U	20	U	20	U	62	U	100	U	100	U		
Chloroethane		75-00-3	5	2.5	U	1	U	4	U	25	U	20	U	20	U	62	U	100	U	100	U		
Chloroform (Trichloromethane)		67-66-3	7	2.5	U	1	U	4	U	25	U	20	U	20	U	62	U	100	U	100	U		
Chloromethane		74-87-3	5	2.5	U	1	U	4	U	25	U	20	U	20	U	62	U	100	U	100	U		
Cyclohexane		110-82-7	NE	10	U	1	U	4	U	100	U	20	U	20	U	250	U	100	U	100	U		
1,2-Dibromo-3-chloropropane		96-12-8	0.04	2.5	U	1	U	4	U	25	U	20	U	20	U	62	U	100	U	100	U		
Dibromochloromethane		124-48-1	50*	0.5	U	1	U	4	U	5	U	20	U	20	U	12	U	100	U	100	U		
1,2-Dibromoethane (EDB)		106-93-4	0.0006	2	U	1	U	4	U	20	U	20	U	20	U	50	U	100	U	100	U		
1,2-Dichlorobenzene (o-DCB)		95-50-1	3	2.5	U	1	U	4	U	25	U	20	U	20	U	62	U	100	U	100	U		
1,3-Dichlorobenzene (m-DCB)		541-73-1	3	2.5	U	1	U	4	U	25	U	20	U	20	U	62	U	100	U	100	U		
1,4-Dichlorobenzene (p-DCB)		106-46-7	3	2.5	U	1	U	4	U	25	U	20	U	20	U	62	U	100	U	100	U		
Dichlorodifluoromethane (Freon 12)		75-71-8	5	5	U	1	U	4	U	50	U	20	U	20	U	120	U	100	U	100	U		
1,1-Dichloroethane		75-34-3	5	2.5	U	1	U	4	U	25	U	20	U	20	U	62	U	100	U	100	U		
1,2-Dichloroethane		107-06-2	0.6	0.5	U	1	U	4	U	5	U	20	U	20	U	12	U	100	U	100	U		
1,1-Dichloroethene		75-35-4	5	0.5	U	1	U	4	U	5	U	20	U	20	U	12	U	100	U	100	U		
cis-1,2-Dichloroethene		156-59-2	5	2.5	U	1	U	4	U	230		990		990		430		2,900		960			
trans-1,2-Dichloroethene		156-60-5	5	2.5	U	1	U	4	U	25	U	20	U	20	U	62	U	100	U	100	U		
1,2-Dichloropropane		78-87-5	1	1	U	1	U	4	U	10	U	20	U	20	U	25	U	100	U	100	U		
cis-1,3-Dichloropropene		10061-01-5	0.4	0.5	U	1	U	4	U	5	U	20	U	20	U	12	U	100	U	100	U		
trans-1,3-Dichloropropene		10061-02-6	0.4	0.5	U	1	U	4	U	5	U	20	U	20	U	12	U	100	U	100	U		
1,4-Dioxane		123-91-1	NE	250	U	--		--		2,500	U	--		--		6,200	U	--		--			
Ethylbenzene		100-41-4	5	2.5	U	1	U	4	U	25	U	20	U	20	U	62	U	100	U	100	U		
2-Hexanone		591-78-6	50*	5	U	5	U	20	U	50	U	100	U	100	U	120	U	500	U	500	U		
Isopropylbenzene		98-82-8	5	2.5	U	1	U	4	U	25	U	20	U	20	U	62	U	100	U	100	U		
Methyl acetate		79-20-9	NE	2	U	2.5	U	10	U	20	U	50	U	50	U	50	U	250	U	250	U		
Methyl ethyl ketone (2-Butanone)		78-93-3	50*	5	U	10	U	40	U	50	U	200	U	200	U	120	U	1000	U	1000	U		
Methyl tert-butyl ether (MTBE)		1634-04-4	10*	2.5	U	1	U	4	U	25	U	20	U	20	U	62	U	100	U	100	U		
4-Methyl-2-pentanone (MIBK)		108-10-1	NE	5	U	5	U	20	U	50	U	100	U	100	U	120	U	500	U	500	U		
Methylcyclohexane		108-87-2	NE	1.1	J	1	U	4	U	12	J	20	U	20	U	250	U	100	U	100	U		
Methylene chloride		75-09-2	5	2.5	U	1	U	4	U	25	U	20	U	20	U	62	U	100	U	100	U		
Styrene		100-42-5	5	2.5	U	1	U	4	U	25	U	20	U	20	U	62	U	100	U	100	U		
1,1,2,2-Tetrachloroethane		79-34-5	5	0.5	U	1	U	4	U	5	U	20	U	20	U	12	U	100	U	100	U		
Tetrachloroethene (PCE)		127-18-4	5	1.1		1	U	4	U	1000		540		410		3,600		3,600		3600			
Tetrahydrofuran		109-99-9	50*	--		--		--		--		--		--		--		--		--			
Toluene		108-88-3	5	2.5	U	1	U	4	U	25	U	20	U	20	U	62	U	100	U	100	U		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		76-13-1	5	2.5	U	1	U	4	U	25	U	20	U	20	U	62	U	100	U	100	U		
1,2,3-Trichlorobenzene		87-61-6	5	2.5	U	--		--		1	U	--		--		20	U	--		--			
1,2,4-Trichlorobenzene		120-82-1	5	2.5	U	1	U	4	U	25	U	20	U	20	U	62	U	100	U	100	U		
1,1,1-Trichloroethane (TCA)		71-55-6	5	2.5	U	1	U	4	U	25	U	20	U	20	U	62	U	100	U	100	U		
1,1,2-Trichloroethane		79-00-5	1	1.5	U	1	U	4	U	15	U	20	U	20	U	38	U	100	U	100	U		
Trichloroethene (TCE)		79-01-6	5	0.5	U	1	U	4	U	210		210		210		760		1,100		790			
Trichlorofluoromethane (Freon 11)		75-69-4	5	2.5	U	1	U	4	U	25	U	20	U	20	U	62	U	100	U	100	U		
Vinyl chloride		75-01-4	2	0.13	J	1	U	4	U	16		28		20		0.64	J	100	U	100	U		
o-Xylene		95-47-6	5	2.5	U	--		--		25	U	--		--		62	U	--		--			
m/p-Xylene		179601-23-1	5	2.5	U	--		--		25	U	--		--		62	U	--		--			
Total Xylene				2.5	U	2	U	8	U	25	U	40	U	40	U	62	U	200	U	200	U		
Total VOCs		--	NE	8.23	J	5.6	J	ND		1,468	J	1,768		1,630		4,802	J	7,600		5,350			

BCP Site No. 734152

4/16/2026

Table 4A. Historical Groundwater VOC Analysis Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

Analyte	Units	Sample Name Sample Date		MW2R 7/6/2023	MW2R 12/1/2023	MW2R 12/11/2024	MW2R 3/12/2025	MW2R 6/17/2025	MW2R 9/24/2025	MW2R 12/10/2025
		CAS No.	NYS AWQS							
Volatile Organic Compounds	ug/L									
Acetone		67-64-1	50*	7.8	5	5	5	6.4	10	10
Benzene		71-43-2	1	0.5	0.5	0.5	0.5	0.5	1	1
Bromochloromethane		74-97-5	5	2.5	2.5	2.5	2.5	2.5	--	--
Bromodichloromethane		75-27-4	50*	0.5	0.5	0.5	0.5	0.5	1	1
Bromoform		75-25-2	50*	2	2	2	2	2	1	1
Bromomethane		74-83-9	5	2.5	2.5	2.5	2.5	2.5	1	1
Carbon disulfide		75-15-0	60*	5	5	5	5	5	1	1
Carbon tetrachloride		56-23-5	5	0.5	0.5	0.5	0.5	0.5	1	1
Chlorobenzene		108-90-7	5	2.5	2.5	2.5	2.5	2.5	1	1
Chloroethane		75-00-3	5	2.5	2.5	2.5	2.5	2.5	1	1
Chloroform (Trichloromethane)		67-66-3	7	2.5	2.5	2.5	2.5	2.5	1	1
Chloromethane		74-87-3	5	2.5	2.5	2.5	2.5	2.5	1	1
Cyclohexane		110-82-7	NE	10	10	10	10	10	1	1
1,2-Dibromo-3-chloropropane		96-12-8	0.04	2.5	2.5	2.5	2.5	2.5	1	1
Dibromochloromethane		124-48-1	50*	0.5	0.5	0.5	0.5	0.5	1	1
1,2-Dibromoethane (EDB)		106-93-4	0.0006	2	2	2	2	2	1	1
1,2-Dichlorobenzene (o-DCB)		95-50-1	3	2.5	2.5	2.5	2.5	2.5	1	1
1,3-Dichlorobenzene (m-DCB)		541-73-1	3	2.5	2.5	2.5	2.5	2.5	1	1
1,4-Dichlorobenzene (p-DCB)		106-46-7	3	2.5	2.5	2.5	2.5	2.5	1	1
Dichlorodifluoromethane (Freon 12)		75-71-8	5	5	5	5	5	5	1	1
1,1-Dichloroethane		75-34-3	5	2.5	2.5	2.5	2.5	2.5	1	1
1,2-Dichloroethane		107-06-2	0.6	0.5	0.5	0.5	0.5	0.5	1	1
1,1-Dichloroethene		75-35-4	5	0.27	J	0.18	J	0.5	U	1
cis-1,2-Dichloroethene		156-59-2	5	38	51	28	21	37	39	18
trans-1,2-Dichloroethene		156-60-5	5	2.5	2.5	2.5	2.5	0.85	J	1.7
1,2-Dichloropropane		78-87-5	1	1	1	1	1	1	1	1
cis-1,3-Dichloropropene		10061-01-5	0.4	0.5	0.5	0.5	0.5	0.5	1	1
trans-1,3-Dichloropropene		10061-02-6	0.4	0.5	0.5	0.5	0.5	0.5	1	1
1,4-Dioxane		123-91-1	NE	250	250	250	250	250	--	--
Ethylbenzene		100-41-4	5	2.5	2.5	2.5	2.5	2.5	1	1
2-Hexanone		591-78-6	50*	5	5	5	5	5	5	5
Isopropylbenzene		98-82-8	5	2.5	2.5	2.5	2.5	2.5	1	1
Methyl acetate		79-20-9	NE	2	2	2	2	2	2.5	2.5
Methyl ethyl ketone (2-Butanone)		78-93-3	50*	5	5	1.9	J	5	5	10
Methyl tert-butyl ether (MTBE)		1634-04-4	10*	2.5	2.5	2.5	2.5	2.5	1	1
4-Methyl-2-pentanone (MIBK)		108-10-1	NE	5	5	5	5	5	5	5
Methylcyclohexane		108-87-2	NE	10	10	10	10	10	1	1
Methylene chloride		75-09-2	5	2.5	2.5	2.5	2.5	2.5	1	1
Styrene		100-42-5	5	2.5	2.5	2.5	2.5	2.5	1	1
1,1,2,2-Tetrachloroethane		79-34-5	5	0.5	0.5	0.5	0.5	0.5	1	1
Tetrachloroethene (PCE)		127-18-4	5	150	J	42	1.7	16	0.27	J
Tetrahydrofuran		109-99-9	50*	--	5	U	--	--	--	--
Toluene		108-88-3	5	9.8	2.5	2.5	2.5	2.5	1	1
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		76-13-1	5	2.5	2.5	2.5	2.5	2.5	1	1
1,2,3-Trichlorobenzene		87-61-6	5	12	2.5	2.5	2.5	2.5	--	--
1,2,4-Trichlorobenzene		120-82-1	5	2.5	2.5	2.5	2.5	2.5	1	1
1,1,1-Trichloroethane (TCA)		71-55-6	5	2.5	2.5	2.5	2.5	2.5	1	1
1,1,2-Trichloroethane		79-00-5	1	1.5	1.5	1.5	1.5	1.5	1	1
Trichloroethene (TCE)		79-01-6	5	18	17	2.8	7.2	3.7	4.4	3.6
Trichlorofluoromethane (Freon 11)		75-69-4	5	2.5	2.5	2.5	2.5	2.5	1	1
Vinyl chloride		75-01-4	2	0.79	J	1.2	1.4	0.4	J	1.7
o-Xylene		95-47-6	5	2.5	2.5	2.5	2.5	2.5	--	--
m/p-Xylene		179601-23-1	5	2.5	2.5	2.5	2.5	2.5	--	--
Total Xylene				2.5	2.5	2.5	2.5	2.5	2	2
Total VOCs		--	NE	224.66	J	111.38	J	35.8	44.6	J
								49.92	J	55.7
										25.1

Table 4A. Historical Groundwater VOC Analysis Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

Analyte	Units	Sample Name Sample Date		TW6 3/20/2021		TW6 7/11/2021		TW6 11/21/2021		TW6 2/27/2022		TW6 (DUP) 2/27/2022		MW3S_G 2/7/2023	
		CAS No.	NYS AWQS												
Volatile Organic Compounds	ug/L														
Acetone		67-64-1	50*	200	U	1000	U	1000	U	1,200	U	1,200	U	2,500	U
Benzene		71-43-2	1	20	U	100	U	100	U	120	U	120	U	250	U
Bromochloromethane		74-97-5	5	100	U	500	U	500	U	620	U	620	U	1,200	U
Bromodichloromethane		75-27-4	50*	20	U	100	U	100	U	120	U	120	U	250	U
Bromoform		75-25-2	50*	80	U	400	U	400	U	500	U	500	U	1000	U
Bromomethane		74-83-9	5	100	U	500	U	500	U	620	U	620	U	1,200	U
Carbon disulfide		75-15-0	60*	200	U	1000	U	1000	U	1,200	U	1,200	U	2,500	U
Carbon tetrachloride		56-23-5	5	20	U	100	U	100	U	120	U	120	U	250	U
Chlorobenzene		108-90-7	5	100	U	500	U	500	U	620	U	620	U	1,200	U
Chloroethane		75-00-3	5	100	U	500	U	500	U	620	U	620	U	1,200	U
Chloroform (Trichloromethane)		67-66-3	7	100	U	500	U	500	U	620	U	620	U	1,200	U
Chloromethane		74-87-3	5	100	U	500	U	500	U	620	U	620	U	1,200	U
Cyclohexane		110-82-7	NE	400	U	2,000	U	2,000	U	2,500	U	2,500	U	5,000	U
1,2-Dibromo-3-chloropropane		96-12-8	0.04	100	U	500	U	500	U	620	U	620	U	1,200	U
Dibromochloromethane		124-48-1	50*	20	U	100	U	100	U	120	U	120	U	250	U
1,2-Dibromoethane (EDB)		106-93-4	0.0006	80	U	400	U	400	U	500	U	500	U	1000	U
1,2-Dichlorobenzene (o-DCB)		95-50-1	3	100	U	500	U	500	U	620	U	620	U	1,200	U
1,3-Dichlorobenzene (m-DCB)		541-73-1	3	100	U	500	U	500	U	620	U	620	U	1,200	U
1,4-Dichlorobenzene (p-DCB)		106-46-7	3	100	U	500	U	500	U	620	U	620	U	1,200	U
Dichlorodifluoromethane (Freon 12)		75-71-8	5	200	U	1000	U	1000	U	1,200	U	1,200	U	2,500	U
1,1-Dichloroethane		75-34-3	5	100	U	500	U	500	U	620	U	620	U	1,200	U
1,2-Dichloroethane		107-06-2	0.6	20	U	100	U	100	U	120	U	120	U	250	U
1,1-Dichloroethene		75-35-4	5	40	U	100	U	100	U	120	U	120	U	100	J
cis-1,2-Dichloroethene		156-59-2	5	16,000		11,000		8,400		14,000		10,000		57,000	
trans-1,2-Dichloroethene		156-60-5	5	110		170	J	500	U	620	U	620	U	1,200	U
1,2-Dichloropropane		78-87-5	1	40	U	200	U	200	U	250	U	250	U	500	U
cis-1,3-Dichloropropene		10061-01-5	0.4	20	U	100	U	100	U	120	U	120	U	250	U
trans-1,3-Dichloropropene		10061-02-6	0.4	20	U	100	U	100	U	120	U	120	U	250	U
1,4-Dioxane		123-91-1	NE	10,000	U	50,000	U	50,000	U	62,000	U	62,000	U	120,000	U
Ethylbenzene		100-41-4	5	100	U	500	U	500	U	620	U	620	U	1,200	U
2-Hexanone		591-78-6	50*	200	U	1000	U	1000	U	1,200	U	1,200	U	2,500	U
Isopropylbenzene		98-82-8	5	100	U	500	U	500	U	620	U	620	U	1,200	U
Methyl acetate		79-20-9	NE	80	U	400	U	400	U	500	U	500	U	1000	U
Methyl ethyl ketone (2-Butanone)		78-93-3	50*	200	U	1000	U	1000	U	1,200	U	1,200	U	2,500	U
Methyl tert-butyl ether (MTBE)		1634-04-4	10*	100	U	500	U	500	U	620	U	620	U	1,200	U
4-Methyl-2-pentanone (MIBK)		108-10-1	NE	200	U	1000	U	1000	U	1,200	U	1,200	U	2,500	U
Methylcyclohexane		108-87-2	NE	400	U	2,000	U	2,000	U	2,500	U	2,500	U	5,000	U
Methylene chloride		75-09-2	5	100	U	500	U	500	U	620	U	620	U	1,200	U
Styrene		100-42-5	5	100	U	500	U	500	U	620	U	620	U	1,200	U
1,1,2,2-Tetrachloroethane		79-34-5	5	20	U	100	U	100	U	120	U	120	U	250	U
Tetrachloroethene (PCE)		127-18-4	5	40,000	J	21,000		20,000		34,000		24,000		63,000	
Tetrahydrofuran		109-99-9	50*	--		--		--		--		--		--	
Toluene		108-88-3	5	100	U	500	U	500	U	620	U	620	U	1,200	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		76-13-1	5	100	U	500	U	500	U	620	U	620	U	1,200	U
1,2,3-Trichlorobenzene		87-61-6	5	2.5	U	100	U	500	U	500	U	620	U	620	U
1,2,4-Trichlorobenzene		120-82-1	5	100	U	500	U	500	U	620	U	620	U	1,200	U
1,1,1-Trichloroethane (TCA)		71-55-6	5	100	U	500	U	500	U	620	U	620	U	1,200	U
1,1,2-Trichloroethane		79-00-5	1	60	U	300	U	300	U	380	U	380	U	750	U
Trichloroethene (TCE)		79-01-6	5	6,500		6,100		4,300		8,100		4,900		5,000	
Trichlorofluoromethane (Freon 11)		75-69-4	5	100	U	500	U	500	U	620	U	620	U	1,200	U
Vinyl chloride		75-01-4	2	2,200		2,400	J	970		2,100		1,500		2,800	
o-Xylene		95-47-6	5	100	U	500	U	500	U	620	U	620	U	1,200	U
m/p-Xylene		179601-23-1	5	100	U	500	U	500	U	620	U	620	U	1,200	U
Total Xylene				100	U	500	U	500	U	620	U	620	U	1,200	U
Total VOCs		--	NE	64,850	J	40,670	J	33,670		58,200		40,400		127,900	J

Table 4A. Historical Groundwater VOC Analysis Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

Analyte	Units	Sample Name Sample Date		MW3S 7/6/2023	MW3S 12/1/2023	MW3S 12/10/2024	MW3S 3/12/2025	MW3S 6/17/2025	MW3S 9/24/2025	MW3S 12/11/2025
		CAS No.	NYS AWQS							
Volatile Organic Compounds	ug/L									
Acetone		67-64-1	50*	2,500 U	5,000 U	5,000 U	5,000 U	5,000 U	20,000 U	20000 U
Benzene		71-43-2	1	250 U	500 U	500 U	500 U	500 U	2,000 U	2000 U
Bromochloromethane		74-97-5	5	1,200 U	2,500 U	2,500 U	2,500 U	2,500 U	--	--
Bromodichloromethane		75-27-4	50*	250 U	500 U	500 U	500 U	500 U	2,000 U	2000 U
Bromoform		75-25-2	50*	1000 U	2,000 U	2,000 U	2,000 U	2,000 U	2,000 U	2000 U
Bromomethane		74-83-9	5	1,200 U	2,500 U	2,500 U	2,500 U	2,500 U	2,000 U	2000 U
Carbon disulfide		75-15-0	60*	2,500 U	5,000 U	5,000 U	5,000 U	5,000 U	2,000 U	2000 U
Carbon tetrachloride		56-23-5	5	250 U	500 U	500 U	500 U	500 U	2,000 U	2000 U
Chlorobenzene		108-90-7	5	1,200 U	2,500 U	2,500 U	2,500 U	2,500 U	2,000 U	2000 U
Chloroethane		75-00-3	5	1,200 U	2,500 U	2,500 U	2,500 U	2,500 U	2,000 U	2000 U
Chloroform (Trichloromethane)		67-66-3	7	1,200 U	2,500 U	2,500 U	2,500 U	2,500 U	2,000 U	2000 U
Chloromethane		74-87-3	5	1,200 U	2,500 U	2,500 U	2,500 U	2,500 U	2,000 U	2000 U
Cyclohexane		110-82-7	NE	5,000 U	10,000 U	10,000 U	10,000 U	10,000 U	2,000 U	2000 U
1,2-Dibromo-3-chloropropane		96-12-8	0.04	1,200 U	2,500 U	2,500 U	2,500 U	2,500 U	2,000 U	2000 U
Dibromochloromethane		124-48-1	50*	250 U	500 U	500 U	500 U	500 U	2,000 U	2000 U
1,2-Dibromoethane (EDB)		106-93-4	0.0006	1000 U	2,000 U	2,000 U	2,000 U	2,000 U	2,000 U	2000 U
1,2-Dichlorobenzene (o-DCB)		95-50-1	3	1,200 U	2,500 U	2,500 U	2,500 U	2,500 U	2,000 U	2000 U
1,3-Dichlorobenzene (m-DCB)		541-73-1	3	1,200 U	2,500 U	2,500 U	2,500 U	2,500 U	2,000 U	2000 U
1,4-Dichlorobenzene (p-DCB)		106-46-7	3	1,200 U	2,500 U	2,500 U	2,500 U	2,500 U	2,000 U	2000 U
Dichlorodifluoromethane (Freon 12)		75-71-8	5	2,500 U	5,000 U	5,000 U	5,000 U	5,000 U	2,000 U	2000 U
1,1-Dichloroethane		75-34-3	5	1,200 U	2,500 U	2,500 U	2,500 U	2,500 U	2,000 U	2000 U
1,2-Dichloroethane		107-06-2	0.6	250 U	500 U	500 U	500 U	500 U	2,000 U	2000 U
1,1-Dichloroethene		75-35-4	5	200 J	220 J	500 U	500 U	500 U	2,000 U	2000 U
cis-1,2-Dichloroethene		156-59-2	5	90,000	190,000	92,000	100,000	86,000	160,000	71,000
trans-1,2-Dichloroethene		156-60-5	5	1,200 U	2,500 U	2,500 U	2,500 U	2,500 U	2,000 U	2000 U
1,2-Dichloropropane		78-87-5	1	500 U	1000 U	1000 U	1000 U	1000 U	2,000 U	2000 U
cis-1,3-Dichloropropene		10061-01-5	0.4	250 U	500 U	500 U	500 U	500 U	2,000 U	2000 U
trans-1,3-Dichloropropene		10061-02-6	0.4	250 U	500 U	500 U	500 U	500 U	2,000 U	2000 U
1,4-Dioxane		123-91-1	NE	120,000 U	250,000 U	250,000 U	250,000 U	250,000 U	--	--
Ethylbenzene		100-41-4	5	1,200 U	2,500 U	2,500 U	2,500 U	2,500 U	2,000 U	2000 U
2-Hexanone		591-78-6	50*	2,500 U	5,000 U	5,000 U	5,000 U	5,000 U	10,000 U	10000 U
Isopropylbenzene		98-82-8	5	1,200 U	2,500 U	2,500 U	2,500 U	2,500 U	2,000 U	2000 U
Methyl acetate		79-20-9	NE	1000 U	2,000 U	2,000 U	2,000 U	2,000 U	5,000 U	5000 U
Methyl ethyl ketone (2-Butanone)		78-93-3	50*	2,500 U	5,000 U	5,000 U	5,000 U	5,000 U	20,000 U	20000 U
Methyl tert-butyl ether (MTBE)		1634-04-4	10*	1,200 U	2,500 U	2,500 U	2,500 U	2,500 U	2,000 U	2000 U
4-Methyl-2-pentanone (MIBK)		108-10-1	NE	2,500 U	5,000 U	5,000 U	5,000 U	5,000 U	10,000 U	10000 U
Methylcyclohexane		108-87-2	NE	5,000 U	10,000 U	10,000 U	10,000 U	10,000 U	2,000 U	2000 U
Methylene chloride		75-09-2	5	1,200 U	2,500 U	2,500 U	2,500 U	2,500 U	2,000 U	2000 U
Styrene		100-42-5	5	1,200 U	2,500 U	2,500 U	2,500 U	2,500 U	2,000 U	2000 U
1,1,2,2-Tetrachloroethane		79-34-5	5	250 U	500 U	500 U	500 U	500 U	2,000 U	2000 U
Tetrachloroethene (PCE)		127-18-4	5	41,000	1,400	500 U	500 U	500 U	2,000 U	2000 U
Tetrahydrofuran		109-99-9	50*	--	5,000 U	--	--	--	--	--
Toluene		108-88-3	5	1,200 U	2,500 U	2,500 U	2,500 U	2,500 U	2,000 U	2000 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		76-13-1	5	1,200 U	2,500 U	2,500 U	2,500 U	2,500 U	2,000 U	2000 U
1,2,3-Trichlorobenzene		87-61-6	5	1,200 U	1,200 U	2,500 U	2,500 U	2,500 U	--	--
1,2,4-Trichlorobenzene		120-82-1	5	1,200 U	2,500 U	2,500 U	2,500 U	2,500 U	2,000 U	2000 U
1,1,1-Trichloroethane (TCA)		71-55-6	5	1,200 U	2,500 U	2,500 U	2,500 U	2,500 U	2,000 U	2000 U
1,1,2-Trichloroethane		79-00-5	1	750 U	1,500 U	1,500 U	1,500 U	1,500 U	2,000 U	2000 U
Trichloroethene (TCE)		79-01-6	5	30,000	650	500 U	500 U	500 U	2,000 U	2000 U
Trichlorofluoromethane (Freon 11)		75-69-4	5	1,200 U	2,500 U	2,500 U	2,500 U	2,500 U	2,000 U	2000 U
Vinyl chloride		75-01-4	2	12,000	38,000	99,000	66,000	71,000	120,000	60,000
o-Xylene		95-47-6	5	1,200 U	2,500 U	2,500 U	2,500 U	2,500 U	--	--
m/p-Xylene		179601-23-1	5	1,200 U	2,500 U	2,500 U	2,500 U	2,500 U	--	--
Total Xylene				1,200 U	2,500 U	2,500 U	2,500 U	2,500 U	4,000 U	4000 U
Total VOCs		--	NE	173,200 J	230,270 J	191,000	166,000	157,000	280,000	131,000

Table 4A. Historical Groundwater VOC Analysis Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

Sample Name Sample Date				MW31_G 2/8/2023	MW31 7/6/2023	MW31 11/30/2023	MW31 12/10/2024	MW31 3/12/2025	MW31 6/17/2025	MW31 9/24/2025	MW31 12/11/2025
Analyte	Units	CAS No.	NYS AWQS								
Volatile Organic Compounds				ug/L							
Acetone		67-64-1	50*	500	U	50	U	5	U	5	U
Benzene		71-43-2	1	50	U	5	U	0.5	U	0.5	U
Bromochloromethane		74-97-5	5	250	U	25	U	2.5	U	2.5	U
Bromodichloromethane		75-27-4	50*	50	U	5	U	0.5	U	0.5	U
Bromoform		75-25-2	50*	200	U	20	U	2	U	2	U
Bromomethane		74-83-9	5	250	U	25	U	2.5	U	2.5	U
Carbon disulfide		75-15-0	60*	500	U	50	U	5	U	5	U
Carbon tetrachloride		56-23-5	5	50	U	5	U	0.5	U	0.5	U
Chlorobenzene		108-90-7	5	250	U	25	U	2.5	U	2.5	U
Chloroethane		75-00-3	5	250	U	25	U	2.5	U	2.5	U
Chloroform (Trichloromethane)		67-66-3	7	250	U	25	U	2.5	U	2.5	U
Chloromethane		74-87-3	5	250	U	25	U	2.5	U	2.5	U
Cyclohexane		110-82-7	NE	1000	U	100	U	10	U	10	U
1,2-Dibromo-3-chloropropane		96-12-8	0.04	250	U	25	U	2.5	U	2.5	U
Dibromochloromethane		124-48-1	50*	50	U	5	U	0.5	U	0.5	U
1,2-Dibromoethane (EDB)		106-93-4	0.0006	200	U	20	U	2	U	2	U
1,2-Dichlorobenzene (o-DCB)		95-50-1	3	250	U	25	U	2.5	U	2.5	U
1,3-Dichlorobenzene (m-DCB)		541-73-1	3	250	U	25	U	2.5	U	2.5	U
1,4-Dichlorobenzene (p-DCB)		106-46-7	3	250	U	25	U	2.5	U	2.5	U
Dichlorodifluoromethane (Freon 12)		75-71-8	5	500	U	50	U	5	U	5	U
1,1-Dichloroethane		75-34-3	5	250	U	25	U	2.5	U	2.5	U
1,2-Dichloroethane		107-06-2	0.6	50	U	5	U	0.5	U	0.5	U
1,1-Dichloroethene		75-35-4	5	50	U	5	U	0.26	J	0.64	J
cis-1,2-Dichloroethene		156-59-2	5	4,000		970		140		42	
trans-1,2-Dichloroethene		156-60-5	5	250	U	25	U	2.5	U	2.5	U
1,2-Dichloropropane		78-87-5	1	100	U	10	U	1	U	1	U
cis-1,3-Dichloropropene		10061-01-5	0.4	50	U	5	U	0.5	U	0.5	U
trans-1,3-Dichloropropene		10061-02-6	0.4	50	U	5	U	0.5	U	0.5	U
1,4-Dioxane		123-91-1	NE	25,000	U	2,500	U	250	U	250	U
Ethylbenzene		100-41-4	5	250	U	25	U	2.5	U	2.5	U
2-Hexanone		591-78-6	50*	500	U	50	U	5	U	5	U
Isopropylbenzene		98-82-8	5	250	U	25	U	2.5	U	2.5	U
Methyl acetate		79-20-9	NE	200	U	20	U	2	U	2	U
Methyl ethyl ketone (2-Butanone)		78-93-3	50*	500	U	50	U	5	U	5	U
Methyl tert-butyl ether (MTBE)		1634-04-4	10*	250	U	25	U	2.5	U	2.5	U
4-Methyl-2-pentanone (MIBK)		108-10-1	NE	500	U	50	U	5	U	5	U
Methylcyclohexane		108-87-2	NE	1000	U	100	U	10	U	10	U
Methylene chloride		75-09-2	5	250	U	25	U	2.5	U	2.5	U
Styrene		100-42-5	5	250	U	25	U	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane		79-34-5	5	50	U	5	U	0.5	U	0.5	U
Tetrachloroethene (PCE)		127-18-4	5	13,000		19		2.3		0.64	
Tetrahydrofuran		109-99-9	50*	--		--		5		--	
Toluene		108-88-3	5	150	J	26		1.8	J	2.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		76-13-1	5	250	U	25	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene		87-61-6	5	2,500	U	250	U	25	U	2.5	U
1,2,4-Trichlorobenzene		120-82-1	5	250	U	25	U	2.5	U	2.5	U
1,1,1-Trichloroethane (TCA)		71-55-6	5	250	U	25	U	2.5	U	2.5	U
1,1,2-Trichloroethane		79-00-5	1	150	U	15	U	1.5	U	1.5	U
Trichloroethene (TCE)		79-01-6	5	690		18		1.4		0.6	
Trichlorofluoromethane (Freon 11)		75-69-4	5	250	U	25	U	2.5	U	2.5	U
Vinyl chloride		75-01-4	2	120		8.6	J	7.3		39	
o-Xylene		95-47-6	5	250	U	25	U	2.5	U	2.5	U
m/p-Xylene		179601-23-1	5	250	U	25	U	2.5	U	2.5	U
Total Xylene				250	U	25	U	2.5	U	2.5	U
Total VOCs		--	NE	17,960	J	1,041.60	J	153.06	J	82.88	
								83.1	J	12.26	J
										11.83	J
											39.9

Table 4A. Historical Groundwater VOC Analysis Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

Analyte	Units	Sample Name Sample Date		TW9 3/21/2021		TW9 7/11/2021		TW9 11/20/2021		TW9 2/26/2022		MW4S_G 2/8/2023		MW4S_G (DUP) 2/8/2023	
		CAS No.	NYS AWQS												
Volatile Organic Compounds	ug/L														
Acetone		67-64-1	50*	100	U	10	U	20	U	20	U	2,500	U	2,500	U
Benzene		71-43-2	1	10	U	1	U	2	U	2	U	250	U	250	U
Bromochloromethane		74-97-5	5	50	U	5	U	10	U	10	U	1,200	U	1,200	U
Bromodichloromethane		75-27-4	50*	10	U	1	U	2	U	2	U	250	U	250	U
Bromoform		75-25-2	50*	40	U	4	U	8	U	8	U	1000	U	1000	U
Bromomethane		74-83-9	5	50	UJ	5	UJ	10	U	10	U	1,200	UJ	1,200	UJ
Carbon disulfide		75-15-0	60*	100	U	10	U	20	U	20	U	2,500	UJ	2,500	UJ
Carbon tetrachloride		56-23-5	5	10	U	1	U	2	U	2	U	250	U	250	U
Chlorobenzene		108-90-7	5	50	U	5	U	10	U	10	U	1,200	U	1,200	U
Chloroethane		75-00-3	5	50	UJ	5	UJ	10	U	10	U	1,200	U	1,200	U
Chloroform (Trichloromethane)		67-66-3	7	50	U	5	U	10	U	10	U	1,200	U	1,200	U
Chloromethane		74-87-3	5	50	U	5	U	10	U	10	U	1,200	U	1,200	U
Cyclohexane		110-82-7	NE	200	U	20	U	40	U	40	U	5,000	U	5,000	U
1,2-Dibromo-3-chloropropane		96-12-8	0.04	50	U	5	U	10	U	10	U	1,200	U	1,200	U
Dibromochloromethane		124-48-1	50*	10	U	1	U	2	U	2	U	250	U	250	U
1,2-Dibromoethane (EDB)		106-93-4	0.0006	40	U	4	U	8	U	8	U	1000	U	1000	U
1,2-Dichlorobenzene (o-DCB)		95-50-1	3	50	U	5	U	10	U	10	U	1,200	U	1,200	U
1,3-Dichlorobenzene (m-DCB)		541-73-1	3	50	U	5	U	10	U	10	U	1,200	U	1,200	U
1,4-Dichlorobenzene (p-DCB)		106-46-7	3	50	U	5	U	10	U	10	U	1,200	U	1,200	U
Dichlorodifluoromethane (Freon 12)		75-71-8	5	100	U	10	UJ	20	U	20	U	2,500	U	2,500	U
1,1-Dichloroethane		75-34-3	5	50	U	5	U	10	U	10	U	1,200	U	1,200	U
1,2-Dichloroethane		107-06-2	0.6	10	U	1	U	2	U	2	U	250	U	250	U
1,1-Dichloroethene		75-35-4	5	3.4	J	1	U	2	U	2	U	100	J	94	J
cis-1,2-Dichloroethene		156-59-2	5	1,800		290		470		460		76,000		70,000	
trans-1,2-Dichloroethene		156-60-5	5	50	U	5	U	10	U	10	U	1,200	U	1,200	U
1,2-Dichloropropane		78-87-5	1	20	U	2	U	4	U	4	U	500	U	500	U
cis-1,3-Dichloropropene		10061-01-5	0.4	10	U	1	U	2	U	2	U	250	U	250	U
trans-1,3-Dichloropropene		10061-02-6	0.4	10	U	1	U	2	U	2	U	250	UJ	250	UJ
1,4-Dioxane		123-91-1	NE	5,000	UJ	500	U	1000	U	1000	U	120,000	U	120,000	U
Ethylbenzene		100-41-4	5	50	U	5	U	10	U	10	U	1,200	U	1,200	U
2-Hexanone		591-78-6	50*	100	U	10	U	20	U	20	U	2,500	U	2,500	U
Isopropylbenzene		98-82-8	5	50	U	5	U	10	U	10	U	1,200	U	1,200	U
Methyl acetate		79-20-9	NE	40	UJ	4	U	8	U	8	U	1000	U	1000	U
Methyl ethyl ketone (2-Butanone)		78-93-3	50*	100	U	10	U	20	U	20	U	2,500	U	2,500	U
Methyl tert-butyl ether (MTBE)		1634-04-4	10*	50	U	5	U	10	U	10	U	1,200	U	1,200	U
4-Methyl-2-pentanone (MIBK)		108-10-1	NE	100	U	10	U	20	U	20	U	2,500	U	2,500	U
Methylcyclohexane		108-87-2	NE	200	U	20	U	40	U	40	U	5,000	U	5,000	U
Methylene chloride		75-09-2	5	50	U	5	U	10	U	10	U	1,200	U	1,200	U
Styrene		100-42-5	5	50	U	5	U	10	U	10	U	1,200	U	1,200	U
1,1,2,2-Tetrachloroethane		79-34-5	5	10	U	1	U	2	U	2	U	250	U	250	U
Tetrachloroethene (PCE)		127-18-4	5	390		53		140		61		43,000		41,000	
Tetrahydrofuran		109-99-9	50*	--		--		--		--		--		--	
Toluene		108-88-3	5	50	U	5	U	10	U	10	U	1,200	U	1,200	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		76-13-1	5	50	U	5	U	10	U	10	U	1,200	U	1,200	U
1,2,3-Trichlorobenzene		87-61-6	5	2.5	U	50	U	5	U	10	U	10	U	1,200	U
1,2,4-Trichlorobenzene		120-82-1	5	50	U	5	U	10	U	10	U	1,200	U	1,200	U
1,1,1-Trichloroethane (TCA)		71-55-6	5	50	U	5	U	10	U	10	U	1,200	U	1,200	U
1,1,2-Trichloroethane		79-00-5	1	30	U	3	U	6	U	6	U	750	U	750	U
Trichloroethene (TCE)		79-01-6	5	400		27		40		47		7,200		6,800	
Trichlorofluoromethane (Freon 11)		75-69-4	5	50	U	5	U	10	U	10	U	1,200	U	1,200	U
Vinyl chloride		75-01-4	2	120		10	J	7.8		24		8,500		8,100	
o-Xylene		95-47-6	5	50	U	5	U	10	U	10	U	1,200	U	1,200	U
m/p-Xylene		179601-23-1	5	50	U	5	U	10	U	10	U	1,200	U	1,200	U
Total Xylene				50	U	5	U	10	U	10	U	1,200	U	1,200	U
Total VOCs		--	NE	2,713.40	J	380	J	657.8		592		134,800	J	125,994	J

Table 4A. Historical Groundwater VOC Analysis Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

		Sample Name Sample Date		MW4S 7/6/2023	MW4S 12/1/2023	MW4S 12/10/2024	MW4S 3/12/2025	MW4S 6/17/2025	MW4S (DUP) 6/17/2025	MW4S 9/24/2025	MW4S 12/11/2025	MW4S(DUP) 12/11/2025
Analyte	Units	CAS No.	NYS AWQS									
Volatile Organic Compounds	ug/L											
Acetone		67-64-1	50*	5,000 U	1000 U	5,000 U	500 U	500 U	1000 U	20,000 U	4000 U	8000 U
Benzene		71-43-2	1	500 U	100 U	500 U	50 U	50 U	100 U	2,000 U	400 U	800 U
Bromochloromethane		74-97-5	5	2,500 U	500 U	2,500 U	250 U	250 U	500 U	--	--	--
Bromodichloromethane		75-27-4	50*	500 U	100 U	500 U	50 U	50 U	100 U	2,000 U	400 U	800 U
Bromoform		75-25-2	50*	2,000 U	400 U	2,000 U	200 U	200 U	400 U	2,000 U	400 U	800 U
Bromomethane		74-83-9	5	2,500 U	500 U	2,500 U	250 U	250 U	500 U	2,000 U	400 U	800 U
Carbon disulfide		75-15-0	60*	5,000 U	1000 U	5,000 U	500 U	500 U	1000 U	2,000 U	400 U	800 U
Carbon tetrachloride		56-23-5	5	500 U	100 U	500 U	50 U	50 U	100 U	2,000 U	400 U*	800 U
Chlorobenzene		108-90-7	5	2,500 U	500 U	2,500 U	250 U	250 U	500 U	2,000 U	400 U	800 U
Chloroethane		75-00-3	5	2,500 U	500 U	2,500 U	250 U	250 U	500 U	2,000 U	400 U	800 U
Chloroform (Trichloromethane)		67-66-3	7	2,500 U	500 U	2,500 U	250 U	250 U	500 U	2,000 U	400 U	800 U
Chloromethane		74-87-3	5	2,500 U	500 U	2,500 U	250 U	250 U	500 U	2,000 U	400 U	800 U
Cyclohexane		110-82-7	NE	10,000 U	2,000 U	10,000 U	1000 U	1000 U	2,000 U	2,000 U	400 U	800 U
1,2-Dibromo-3-chloropropane		96-12-8	0.04	2,500 U	500 U	2,500 U	250 U	250 U	500 U	2,000 U	400 U	800 U
Dibromochloromethane		124-48-1	50*	500 U	100 U	500 U	50 U	50 U	100 U	2,000 U	400 U	800 U
1,2-Dibromoethane (EDB)		106-93-4	0.0006	2,000 U	400 U	2,000 U	200 U	200 U	400 U	2,000 U	400 U	800 U
1,2-Dichlorobenzene (o-DCB)		95-50-1	3	2,500 U	500 U	2,500 U	250 U	250 U	500 U	2,000 U	400 U	800 U
1,3-Dichlorobenzene (m-DCB)		541-73-1	3	2,500 U	500 U	2,500 U	250 U	250 U	500 U	2,000 U	400 U	800 U
1,4-Dichlorobenzene (p-DCB)		106-46-7	3	2,500 U	500 U	2,500 U	250 U	250 U	500 U	2,000 U	400 U	800 U
Dichlorodifluoromethane (Freon 12)		75-71-8	5	5,000 U	1000 U	5,000 U	500 U	500 U	1000 U	2,000 U	400 U*	800 U
1,1-Dichloroethane		75-34-3	5	2,500 U	500 U	2,500 U	250 U	250 U	500 U	2,000 U	400 U	800 U
1,2-Dichloroethane		107-06-2	0.6	500 U	100 U	500 U	50 U	50 U	100 U	2,000 U	400 U	800 U
1,1-Dichloroethene		75-35-4	5	500 U	35 J	500 U	50 U	50 U	100 U	2,000 U	400 U	800 U
cis-1,2-Dichloroethene		156-59-2	5	16,000 U	17,000 U	9,600 U	1000 U	1,400 U	1,400 U	8,100 U	2,400 U	2,000 U
trans-1,2-Dichloroethene		156-60-5	5	2,500 U	500 U	2,500 U	250 U	250 U	500 U	2,000 U	400 U	800 U
1,2-Dichloropropane		78-87-5	1	1000 U	200 U	1000 U	100 U	100 U	200 U	2,000 U	400 U	800 U
cis-1,3-Dichloropropene		10061-01-5	0.4	500 U	100 U	500 U	50 U	50 U	100 U	2,000 U	400 U	800 U
trans-1,3-Dichloropropene		10061-02-6	0.4	500 U	100 U	500 U	50 U	50 U	100 U	2,000 U	400 U	800 U
1,4-Dioxane		123-91-1	NE	250,000 U	50,000 U	250,000 U	25,000 U	25,000 U	50,000 U	--	--	--
Ethylbenzene		100-41-4	5	2,500 U	500 U	2,500 U	250 U	250 U	500 U	2,000 U	400 U	800 U
2-Hexanone		591-78-6	50*	5,000 U	1000 U	5,000 U	500 U	500 U	1000 U	10,000 U	2000 U	4000 U
Isopropylbenzene		98-82-8	5	2,500 U	500 U	2,500 U	250 U	250 U	500 U	2,000 U	400 U	800 U
Methyl acetate		79-20-9	NE	2,000 U	400 U	2,000 U	200 U	200 U	400 U	5,000 U	1000 U	2000 U
Methyl ethyl ketone (2-Butanone)		78-93-3	50*	5,000 U	1000 U	5,000 U	500 U	500 U	1000 U	20,000 U	4000 U	8000 U
Methyl tert-butyl ether (MTBE)		1634-04-4	10*	2,500 U	500 U	2,500 U	250 U	250 U	500 U	2,000 U	400 U	800 U
4-Methyl-2-pentanone (MIBK)		108-10-1	NE	5,000 U	1000 U	5,000 U	500 U	500 U	1000 U	10,000 U	2000 U	4000 U
Methylcyclohexane		108-87-2	NE	10,000 U	2,000 U	10,000 U	1000 U	1000 U	2,000 U	2,000 U	400 U	800 U
Methylene chloride		75-09-2	5	2,500 U	500 U	2,500 U	250 U	250 U	500 U	2,000 U	400 U	800 U
Styrene		100-42-5	5	2,500 U	500 U	2,500 U	250 U	250 U	500 U	2,000 U	400 U	800 U
1,1,2,2-Tetrachloroethane		79-34-5	5	500 U	100 U	500 U	50 U	50 U	100 U	2,000 U	400 U	800 U
Tetrachloroethene (PCE)		127-18-4	5	120,000 U	140,000 J	82,000 U	19,000 U	19,000 U	20,000 U	85,000 U	31,000 U	24,000 U
Tetrahydrofuran		109-99-9	50*	--	1000 U	--	--	--	--	--	--	--
Toluene		108-88-3	5	2,500 U	500 U	2,500 U	250 U	250 U	500 U	2,000 U	400 U	800 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		76-13-1	5	2,500 U	500 U	2,500 U	250 U	250 U	500 U	2,000 U	400 U	800 U
1,2,3-Trichlorobenzene		87-61-6	5	1,200 U	2,500 U	500 U	2,500 U	250 U	250 U	--	--	--
1,2,4-Trichlorobenzene		120-82-1	5	2,500 U	500 U	2,500 U	250 U	250 U	500 U	2,000 U	400 U	800 U
1,1,1-Trichloroethane (TCA)		71-55-6	5	2,500 U	500 U	2,500 U	250 U	250 U	500 U	2,000 U	400 U	800 U
1,1,2-Trichloroethane		79-00-5	1	1,500 U	300 U	1,500 U	150 U	150 U	300 U	2,000 U	400 U	800 U
Trichloroethene (TCE)		79-01-6	5	7,400 U	5,900 U	4,500 U	590 U	690 U	730 U	4,100 U	1200 U	1000 U
Trichlorofluoromethane (Freon 11)		75-69-4	5	2,500 U	500 U	2,500 U	250 U	250 U	500 U	2,000 U	400 U	800 U
Vinyl chloride		75-01-4	2	1,400 U	870 U	860 J	84 J	96 J	100 J	2,000 U	400 U	800 U
o-Xylene		95-47-6	5	2,500 U	500 U	2,500 U	250 U	250 U	500 U	--	--	--
m/p-Xylene		179601-23-1	5	2,500 U	500 U	2,500 U	250 U	250 U	500 U	--	--	--
Total Xylene				2,500 U	500 U	2,500 U	250 U	250 U	500 U	4,000 U	800 U	1600 U
Total VOCs		--	NE	144,800 U	163,805 J	96,960 J	20,674 J	21,186 J	22,230 J	97,200 U	34,600 U	27,000 U

Table 4A. Historical Groundwater VOC Analysis Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

Sample Name Sample Date				MW4I_G 2/8/2023	MW4I 7/6/2023	MW4I 12/1/2023	MW4I (DUP) 12/1/2023	MW4I 12/10/2024	MW 4I (DUP) 12/10/2024	MW4I 3/12/2025	MW4I 6/17/2025	MW4I 9/24/2025	MW4I 12/11/2025									
Analyte	Units	CAS No.	NYS AWQS																			
Volatile Organic Compounds	ug/L																					
Acetone		67-64-1	50*	500	U	250	U	250	U	120	U	120	U	100	U	120	U	400	U	400	U	
Benzene		71-43-2	1	50	U	25	U	25	U	12	U	12	U	10	U	12	U	40	U	40	U	
Bromochloromethane		74-97-5	5	250	U	120	U	120	U	62	U	62	U	50	U	62	U	--		--		
Bromodichloromethane		75-27-4	50*	50	U	25	U	25	U	12	U	12	U	10	U	12	U	40	U	40	U	
Bromoform		75-25-2	50*	200	U	100	U	100	U	50	U	50	U	40	U	50	U	40	U	40	U	
Bromomethane		74-83-9	5	250	UJ	120	U	120	U	62	U	62	U	50	U	62	U	40	U	40	U	
Carbon disulfide		75-15-0	60*	500	UJ	250	U	250	U	120	U	120	U	100	U	120	U	40	U	40	U	
Carbon tetrachloride		56-23-5	5	50	U	25	U	25	U	12	U	12	U	10	U	12	U	40	U	40	U	
Chlorobenzene		108-90-7	5	250	U	120	U	120	U	62	U	62	U	50	U	62	U	40	U	40	U	
Chloroethane		75-00-3	5	250	U	120	U	120	U	62	U	62	U	50	U	62	U	40	U	40	U	
Chloroform (Trichloromethane)		67-66-3	7	250	U	120	U	120	U	62	U	62	U	50	U	62	U	40	U	40	U	
Chloromethane		74-87-3	5	250	U	120	U	120	UJ	62	U	62	U	50	U	62	U	40	U	40	U	
Cyclohexane		110-82-7	NE	1000	U	500	U	500	U	250	U	250	U	200	U	250	U	40	U	40	U	
1,2-Dibromo-3-chloropropane		96-12-8	0.04	250	U	120	U	120	U	62	U	62	U	50	U	62	U	40	U	40	U	
Dibromochloromethane		124-48-1	50*	50	U	25	U	25	U	12	U	12	U	10	U	12	U	40	U	40	U	
1,2-Dibromoethane (EDB)		106-93-4	0.0006	200	U	100	U	100	U	50	U	50	U	40	U	50	U	40	U	40	U	
1,2-Dichlorobenzene (o-DCB)		95-50-1	3	250	U	120	U	120	U	62	U	62	U	50	U	62	U	40	U	40	U	
1,3-Dichlorobenzene (m-DCB)		541-73-1	3	250	U	120	U	120	U	62	U	62	U	50	U	62	U	40	U	40	U	
1,4-Dichlorobenzene (p-DCB)		106-46-7	3	250	U	120	U	120	U	62	U	62	U	50	U	62	U	40	U	40	U	
Dichlorodifluoromethane (Freon 12)		75-71-8	5	500	U	250	U	250	U	120	U	120	U	100	U	120	U	40	U	40	U	
1,1-Dichloroethane		75-34-3	5	250	U	120	U	120	U	62	U	62	U	50	U	62	U	40	U	40	U	
1,2-Dichloroethane		107-06-2	0.6	50	U	25	U	25	U	12	U	12	U	10	U	12	U	40	U	40	U	
1,1-Dichloroethene		75-35-4	5	50	U	25		29		23		26		24		15		36	J	28	J	
cis-1,2-Dichloroethene		156-59-2	5	8,500		3,600		6,700		6,000		3,200		3,200		2,900		2,000		3,800	F1	2,900
trans-1,2-Dichloroethene		156-60-5	5	250	U	120	U	120	U	25	J	23	J	50	U	62	U	40	U	40	U	
1,2-Dichloropropane		78-87-5	1	100	U	50	U	50	U	25	U	25	U	20	U	25	U	40	U	40	U	
cis-1,3-Dichloropropene		10061-01-5	0.4	50	U	25	U	25	U	12	U	12	U	10	U	12	U	40	U	40	U	
trans-1,3-Dichloropropene		10061-02-6	0.4	50	UJ	25	U	25	U	12	U	12	U	10	U	12	U	40	U	40	U	
1,4-Dioxane		123-91-1	NE	25,000	U	12,000	U	12,000	U	6,200	U	6,200	U	5,000	U	6,200	U	--		--		
Ethylbenzene		100-41-4	5	250	U	120	U	120	U	62	U	62	U	50	U	62	U	40	U	40	U	
2-Hexanone		591-78-6	50*	500	U	250	U	250	U	120	U	120	U	100	U	120	U	200	U	200	U	
Isopropylbenzene		98-82-8	5	250	U	120	U	120	U	62	U	62	U	50	U	62	U	40	U	40	U	
Methyl acetate		79-20-9	NE	200	U	100	U	100	UJ	50	U	50	U	40	U	50	U	100	U	100	U	
Methyl ethyl ketone (2-Butanone)		78-93-3	50*	500	U	250	U	250	U	120	U	120	U	100	U	120	U	400	U	400	U	
Methyl tert-butyl ether (MTBE)		1634-04-4	10*	250	U	120	U	120	U	62	U	62	U	50	U	62	U	40	U	40	U	
4-Methyl-2-pentanone (MIBK)		108-10-1	NE	500	U	250	U	250	UJ	250	UJ	120	U	100	U	120	U	200	U	200	U	
Methylcyclohexane		108-87-2	NE	1000	U	500	U	500	U	250	U	250	U	200	U	250	U	40	U	40	U	
Methylene chloride		75-09-2	5	250	U	120	U	120	U	62	U	62	U	50	U	62	U	40	U	40	U	
Styrene		100-42-5	5	250	U	120	U	120	U	62	U	62	U	50	U	62	U	40	U	40	U	
1,1,2,2-Tetrachloroethane		79-34-5	5	50	U	25	U	25	U	12	U	12	U	10	U	12	U	40	U	40	U	
Tetrachloroethene (PCE)		127-18-4	5	5,800		7,700	J	720		36		34		31		16		20	J	14	J	
Tetrahydrofuran		109-99-9	50*	--		--		250	U	--		--		--		--		--		--		
Toluene		108-88-3	5	250	U	120	U	120	U	62	U	62	U	50	U	62	U	40	U	40	U	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		76-13-1	5	250	U	120	U	120	U	62	U	62	U	50	U	62	U	40	U	40	U	
1,2,3-Trichlorobenzene		87-61-6	5	500	U	250	U	120	U	120	U	62	U	62	U	50	U	--		--		
1,2,4-Trichlorobenzene		120-82-1	5	250	U	120	U	120	U	62	U	62	U	50	U	62	U	40	U	40	U	
1,1,1-Trichloroethane (TCA)		71-55-6	5	250	U	120	U	120	U	62	U	62	U	50	U	62	U	40	U	40	U	
1,1,2-Trichloroethane		79-00-5	1	150	U	75	U	75	U	38	U	38	U	30	U	38	U	40	U	40	U	
Trichloroethene (TCE)		79-01-6	5	720		2,000		2,200		1,900		70		78		28		12		40	U	
Trichlorofluoromethane (Freon 11)		75-69-4	5	250	U	120	U	120	U	62	U	62	U	50	U	62	U	40	U	40	U	
Vinyl chloride		75-01-4	2	540		360		330		390		380		300		280		550		440		
o-Xylene		95-47-6	5	250	U	120	U	120	U	62	U	62	U	50	U	62	U	--		--		
m/p-Xylene		179601-23-1	5	250	U	120	U	120	U	62	U	62	U	50	U	62	U	--		--		
Total Xylene				250	U	120	U	120	U	62	U	62	U	50	U	62	U	80	U	80	U	
Total VOCs		--	NE	15,560		13,685	J	9,979		8,926		3,744	J	3,741	J	3,283		2,323		4,406	J	3,382

Table 4A. Historical Groundwater VOC Analysis Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

Sample Name Sample Date				MW5S 2/21/2023		MW5S 7/5/2023		MW5S 11/29/2023		MW5S 12/10/2024		MW5S 3/12/2025		MW5S 6/17/2025		MW5S 9/24/2025		MW5S 12/11/2025	
Analyte	Units	CAS No.	NYS AWQS																
Volatile Organic Compounds				ug/L															
Acetone		67-64-1	50*	20	U	25	U	25	U	25	U	94		61		86	J	200	U
Benzene		71-43-2	1	72		41		19		14		22		22		18		12	J
Bromochloromethane		74-97-5	5	10	U	12	U	12	U	12	U	12	U	10	U	--		--	
Bromodichloromethane		75-27-4	50*	2	U	2.5	U	2.5	U	2.5	U	2.5	U	2	U	10	U	20	U
Bromoform		75-25-2	50*	8	U	10	U	10	U	10	U	10	U	8	U	10	U	20	U
Bromomethane		74-83-9	5	10	U	12	U	12	U	12	U	12	U	10	U	10	U	20	U
Carbon disulfide		75-15-0	60*	20	U	25	U	25	U	25	U	25	U	20	U	10	U	20	U
Carbon tetrachloride		56-23-5	5	2	U	2.5	U	2.5	U	2.5	U	2.5	U	2	U	10	U	20	U
Chlorobenzene		108-90-7	5	10	U	12	U	12	U	12	U	12	U	10	U	10	U	20	U
Chloroethane		75-00-3	5	10	U	12	U	12	U	12	U	12	U	10	U	10	U	20	U
Chloroform (Trichloromethane)		67-66-3	7	10	U	12	U	12	U	12	U	12	U	10	U	10	U	20	U
Chloromethane		74-87-3	5	10	U	12	U	12	U	12	U	12	U	10	U	10	U	20	U
Cyclohexane		110-82-7	NE	230		270		200		120		200		200		370		310	
1,2-Dibromo-3-chloropropane		96-12-8	0.04	10	U	12	U	12	U	12	U	12	U	10	U	10	U	20	U
Dibromochloromethane		124-48-1	50*	2	U	2.5	U	2.5	U	2.5	U	2.5	U	2	U	10	U	20	U
1,2-Dibromoethane (EDB)		106-93-4	0.0006	8	U	10	U	10	U	10	U	10	U	8	U	10	U	20	U
1,2-Dichlorobenzene (o-DCB)		95-50-1	3	10	U	12	U	12	U	12	U	12	U	10	U	10	U	20	U
1,3-Dichlorobenzene (m-DCB)		541-73-1	3	10	U	12	U	12	U	12	U	12	U	10	U	10	U	20	U
1,4-Dichlorobenzene (p-DCB)		106-46-7	3	10	U	12	U	12	U	12	U	12	U	10	U	10	U	20	U
Dichlorodifluoromethane (Freon 12)		75-71-8	5	20	U	25	U	25	U	25	U	25	U	20	U	10	U	20	U
1,1-Dichloroethane		75-34-3	5	10	U	12	U	12	U	12	U	12	U	10	U	10	U	20	U
1,2-Dichloroethane		107-06-2	0.6	2	U	2.5	U	2.5	U	2.5	U	2.5	U	2	U	10	U	20	U
1,1-Dichloroethene		75-35-4	5	2	U	2.5	U	2.5	U	2.5	U	2.5	U	2	U	10	U	20	U
cis-1,2-Dichloroethene		156-59-2	5	10	U	12	U	12	U	12	U	12	U	10	U	10	U	20	U
trans-1,2-Dichloroethene		156-60-5	5	10	U	12	U	12	U	12	U	12	U	10	U	10	U	20	U
1,2-Dichloropropane		78-87-5	1	4	U	5	U	5	U	5	U	5	U	4	U	10	U	20	U
cis-1,3-Dichloropropene		10061-01-5	0.4	2	U	2.5	U	2.5	U	2.5	U	2.5	U	2	U	10	U	20	U
trans-1,3-Dichloropropene		10061-02-6	0.4	2	U	2.5	U	2.5	U	2.5	U	2.5	U	2	U	10	U	20	U
1,4-Dioxane		123-91-1	NE	1000		1,200		1,200		1,200		1,200		1000		--		--	
Ethylbenzene		100-41-4	5	500		780		600		380		560		370		260		230	
2-Hexanone		591-78-6	50*	20	U	25	U	25	U	25	U	25	U	20	U	50	U	100	U
Isopropylbenzene		98-82-8	5	54		100		96		85		120		89		110		97	
Methyl acetate		79-20-9	NE	8	U	10	U	10	U	10	U	10	U	8	U	25	U	50	U
Methyl ethyl ketone (2-Butanone)		78-93-3	50*	20	U	25	U	25	U	25	U	25	U	20	U	34	J	200	U
Methyl tert-butyl ether (MTBE)		1634-04-4	10*	10	U	12	U	12	U	12	U	12	U	10	U	10	U	20	U
4-Methyl-2-pentanone (MIBK)		108-10-1	NE	20	U	25	U	25	U	25	U	25	U	20	U	50	U	100	U
Methylcyclohexane		108-87-2	NE	160		180		120		76		110		98		150		100	
Methylene chloride		75-09-2	5	10	U	12	U	12	U	12	U	4.9	J	3	J	10	U	24	
Styrene		100-42-5	5	10	U	12	U	12	U	12	U	12	U	10	U	10	U	20	U
1,1,2,2-Tetrachloroethane		79-34-5	5	2	U	2.5	U	2.5	U	2.5	U	2.5	U	2	U	10	U	20	U
Tetrachloroethene (PCE)		127-18-4	5	2	U	2.5	U	2.5	U	2.5	U	2.5	U	2	U	10	U	20	U
Tetrahydrofuran		109-99-9	50*	--		--		25	U	--		--		--		--		--	
Toluene		108-88-3	5	11		11	J	7.4	J	5.8	J	7	J	5.5	J	6.4	J	20	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		76-13-1	5	10	U	12	U	12	U	12	U	12	U	10	U	10	U	20	U
1,2,3-Trichlorobenzene		87-61-6	5	62	U	10	U	12	U	12	U	12	U	12	U	--		--	
1,2,4-Trichlorobenzene		120-82-1	5	10	U	12	U	12	U	12	U	12	U	10	U	10	U	20	U
1,1,1-Trichloroethane (TCA)		71-55-6	5	10	U	12	U	12	U	12	U	12	U	10	U	10	U	20	U
1,1,2-Trichloroethane		79-00-5	1	6	U	7.5	U	7.5	U	7.5	U	7.5	U	6	U	10	U	20	U
Trichloroethene (TCE)		79-01-6	5	2	U	2.5	U	2.5	U	2.5	U	2.5	U	2	U	10	U	20	U
Trichlorofluoromethane (Freon 11)		75-69-4	5	10	U	12	U	12	U	12	U	12	U	10	U	10	U	20	U
Vinyl chloride		75-01-4	2	2	J	0.58	J	5	U	5	U	5	U	2.4	J	10	U	20	U
o-Xylene		95-47-6	5	11		8.3	J	6.9	J	5.2	J	4.6	J	3.4	J	--		--	
m/p-Xylene		179601-23-1	5	40		42		30		19		24		17		--		--	
Total Xylene				51		50.3		36.9		24.2		28.6		20.4		23		13	J
Total VOCs		--	NE	1,080		1,432.88	J	1,079.30	J	705	J	1,146.50	J	871.3	J	1,057.40	J	786	

Table 4A. Historical Groundwater VOC Analysis Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

				Sample Name		MW5I		MW5I		MW5I		MW5I		MW5I		MW5I		MW5I			
				Sample Date		2/21/2023		7/5/2023		11/29/2023		12/10/2024		3/12/2025		6/17/2025		9/24/2025		12/11/2025	
Analyte	Units	CAS No.	NYS AWQS																		
Volatile Organic Compounds				ug/L																	
Acetone		67-64-1	50*	5	U	5	U	5	U	5	U	5	U	2.2	J	10	U	10	U		
Benzene		71-43-2	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U		
Bromochloromethane		74-97-5	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	--		--			
Bromodichloromethane		75-27-4	50*	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U		
Bromoform		75-25-2	50*	2	U	2	U	2	U	2	U	2	U	2	U	1	U	1	U		
Bromomethane		74-83-9	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U		
Carbon disulfide		75-15-0	60*	5	U	5	U	5	U	5	U	5	U	5	U	1	U	1	U		
Carbon tetrachloride		56-23-5	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U		
Chlorobenzene		108-90-7	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U		
Chloroethane		75-00-3	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U		
Chloroform (Trichloromethane)		67-66-3	7	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U		
Chloromethane		74-87-3	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U		
Cyclohexane		110-82-7	NE	1.4	J	0.38	J	10	U	10	U	10	U	10	U	1	U	1	U		
1,2-Dibromo-3-chloropropane		96-12-8	0.04	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U		
Dibromochloromethane		124-48-1	50*	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U		
1,2-Dibromoethane (EDB)		106-93-4	0.0006	2	U	2	U	2	U	2	U	2	U	2	U	1	U	1	U		
1,2-Dichlorobenzene (o-DCB)		95-50-1	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U		
1,3-Dichlorobenzene (m-DCB)		541-73-1	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U		
1,4-Dichlorobenzene (p-DCB)		106-46-7	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U		
Dichlorodifluoromethane (Freon 12)		75-71-8	5	5	U	5	U	5	U	5	U	5	U	5	U	1	U	1	U		
1,1-Dichloroethane		75-34-3	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U		
1,2-Dichloroethane		107-06-2	0.6	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U		
1,1-Dichloroethene		75-35-4	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U		
cis-1,2-Dichloroethene		156-59-2	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U		
trans-1,2-Dichloroethene		156-60-5	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U		
1,2-Dichloropropane		78-87-5	1	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U		
cis-1,3-Dichloropropene		10061-01-5	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U		
trans-1,3-Dichloropropene		10061-02-6	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U		
1,4-Dioxane		123-91-1	NE	250	U	250	U	250	U	250	U	250	U	250	U	--		--			
Ethylbenzene		100-41-4	5	1.4	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U		
2-Hexanone		591-78-6	50*	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U		
Isopropylbenzene		98-82-8	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U		
Methyl acetate		79-20-9	NE	2	U	2	U	2	U	2	U	2	U	2	U	2.5	U	2.5	U		
Methyl ethyl ketone (2-Butanone)		78-93-3	50*	5	U	5	U	5	U	5	U	5	U	5	U	10	U	10	U		
Methyl tert-butyl ether (MTBE)		1634-04-4	10*	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U		
4-Methyl-2-pentanone (MIBK)		108-10-1	NE	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U		
Methylcyclohexane		108-87-2	NE	2.2	J	0.65	J	0.4	J	10	U	10	U	10	U	1	U	1	U		
Methylene chloride		75-09-2	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U		
Styrene		100-42-5	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U		
1,1,2,2-Tetrachloroethane		79-34-5	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U		
Tetrachloroethene (PCE)		127-18-4	5	0.3	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U		
Tetrahydrofuran		109-99-9	50*	--		--		5	U	--		--		--		--		--			
Toluene		108-88-3	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		76-13-1	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U		
1,2,3-Trichlorobenzene		87-61-6	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	--		--			
1,2,4-Trichlorobenzene		120-82-1	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U		
1,1,1-Trichloroethane (TCA)		71-55-6	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U		
1,1,2-Trichloroethane		79-00-5	1	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1	U	1	U		
Trichloroethene (TCE)		79-01-6	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U		
Trichlorofluoromethane (Freon 11)		75-69-4	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U		
Vinyl chloride		75-01-4	2	1	U	1	U	1	U	1	U	1	U	1.1		1	U	1	U		
o-Xylene		95-47-6	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	--		--			
m/p-Xylene		179601-23-1	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	--		--			
Total Xylene				2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2	U	2	U		
Total VOCs		--	NE	5.3	J	1.03	J	0.4	J	ND		ND		3.3	J	ND		ND			

Table 4A. Historical Groundwater VOC Analysis Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

Analyte	Units	Sample Name Sample Date		MW6 11/28/2023		MW6 12/9/2024		MW6 3/11/2025		MW6 6/16/2025		MW6 9/23/2025		MW6 12/9/2025	
		CAS No.	NYS AWQS												
Volatile Organic Compounds	ug/L														
Acetone		67-64-1	50*	5	U	5	U	5	U	5	U	10	U	10	U
Benzene		71-43-2	1	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
Bromochloromethane		74-97-5	5	2.5	U	2.5	U	2.5	U	2.5	U	--		--	
Bromodichloromethane		75-27-4	50*	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
Bromoform		75-25-2	50*	2	U	2	U	2	U	2	U	1	U	1	U
Bromomethane		74-83-9	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Carbon disulfide		75-15-0	60*	5	U	5	U	5	U	5	U	1	U	1	U
Carbon tetrachloride		56-23-5	5	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
Chlorobenzene		108-90-7	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Chloroethane		75-00-3	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Chloroform (Trichloromethane)		67-66-3	7	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Chloromethane		74-87-3	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Cyclohexane		110-82-7	NE	10	U	10	U	10	U	10	U	1	U	1	U
1,2-Dibromo-3-chloropropane		96-12-8	0.04	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Dibromochloromethane		124-48-1	50*	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
1,2-Dibromoethane (EDB)		106-93-4	0.0006	2	U	2	U	2	U	2	U	1	U	1	U
1,2-Dichlorobenzene (o-DCB)		95-50-1	3	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,3-Dichlorobenzene (m-DCB)		541-73-1	3	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,4-Dichlorobenzene (p-DCB)		106-46-7	3	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Dichlorodifluoromethane (Freon 12)		75-71-8	5	5	U	5	U	5	U	5	U	1	U	1	U
1,1-Dichloroethane		75-34-3	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,2-Dichloroethane		107-06-2	0.6	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
1,1-Dichloroethene		75-35-4	5	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
cis-1,2-Dichloroethene		156-59-2	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
trans-1,2-Dichloroethene		156-60-5	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,2-Dichloropropane		78-87-5	1	1	U	1	U	1	U	1	U	1	U	1	U
cis-1,3-Dichloropropene		10061-01-5	0.4	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
trans-1,3-Dichloropropene		10061-02-6	0.4	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
1,4-Dioxane		123-91-1	NE	250	U	250	U	250	U	250	U	--		--	
Ethylbenzene		100-41-4	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
2-Hexanone		591-78-6	50*	5	U	5	U	5	U	5	U	5	U	5	U
Isopropylbenzene		98-82-8	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Methyl acetate		79-20-9	NE	2	U	2	U	2	U	2	U	2.5	U	2.5	U
Methyl ethyl ketone (2-Butanone)		78-93-3	50*	5	U	5	U	5	U	5	U	10	U	10	U
Methyl tert-butyl ether (MTBE)		1634-04-4	10*	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
4-Methyl-2-pentanone (MIBK)		108-10-1	NE	5	U	5	U	5	U	5	U	5	U	5	U
Methylcyclohexane		108-87-2	NE	10	U	10	U	10	U	10	U	1	U	1	U
Methylene chloride		75-09-2	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Styrene		100-42-5	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,1,2,2-Tetrachloroethane		79-34-5	5	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
Tetrachloroethene (PCE)		127-18-4	5	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
Tetrahydrofuran		109-99-9	50*	5	U	--		--		--		--		--	
Toluene		108-88-3	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		76-13-1	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,2,3-Trichlorobenzene		87-61-6	5	2.5	U	2.5	U	2.5	U	2.5	U	--		--	
1,2,4-Trichlorobenzene		120-82-1	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,1,1-Trichloroethane (TCA)		71-55-6	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,1,2-Trichloroethane		79-00-5	1	1.5	U	1.5	U	1.5	U	1.5	U	1	U	1	U
Trichloroethene (TCE)		79-01-6	5	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
Trichlorofluoromethane (Freon 11)		75-69-4	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Vinyl chloride		75-01-4	2	1	U	1	U	1	U	4.1		1	U	1	U
o-Xylene		95-47-6	5	2.5	U	2.5	U	2.5	U	2.5	U	--		--	
m/p-Xylene		179601-23-1	5	2.5	U	2.5	U	2.5	U	2.5	U	--		--	
Total Xylene				2.5	U	2.5	U	2.5	U	2.5	U	2	U	2	U
Total VOCs		--	NE	ND		ND		ND		4.1		ND		ND	

Table 4A. Historical Groundwater VOC Analysis Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

Analyte	Units	Sample Name Sample Date		MW7 11/28/2023		MW7 12/9/2024		MW7 3/11/2025		MW7 6/16/2025		MW7 9/23/2025		MW7 12/9/2025	
		CAS No.	NYS AWQS												
Volatile Organic Compounds	ug/L														
Acetone		67-64-1	50*	5	U	5	U	5	U	4.9	J	10	U	10	U
Benzene		71-43-2	1	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
Bromochloromethane		74-97-5	5	2.5	U	2.5	U	2.5	U	2.5	U	--		--	
Bromodichloromethane		75-27-4	50*	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
Bromoform		75-25-2	50*	2	U	2	U	2	U	2	U	1	U	1	U
Bromomethane		74-83-9	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Carbon disulfide		75-15-0	60*	5	U	5	U	5	U	5	U	1	U	1	U
Carbon tetrachloride		56-23-5	5	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
Chlorobenzene		108-90-7	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Chloroethane		75-00-3	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Chloroform (Trichloromethane)		67-66-3	7	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Chloromethane		74-87-3	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Cyclohexane		110-82-7	NE	10	U	10	U	10	U	10	U	1	U	1	U
1,2-Dibromo-3-chloropropane		96-12-8	0.04	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Dibromochloromethane		124-48-1	50*	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
1,2-Dibromoethane (EDB)		106-93-4	0.0006	2	U	2	U	2	U	2	U	1	U	1	U
1,2-Dichlorobenzene (o-DCB)		95-50-1	3	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,3-Dichlorobenzene (m-DCB)		541-73-1	3	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,4-Dichlorobenzene (p-DCB)		106-46-7	3	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Dichlorodifluoromethane (Freon 12)		75-71-8	5	5	U	5	U	5	U	5	U	1	U	1	U
1,1-Dichloroethane		75-34-3	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,2-Dichloroethane		107-06-2	0.6	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
1,1-Dichloroethene		75-35-4	5	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
cis-1,2-Dichloroethene		156-59-2	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
trans-1,2-Dichloroethene		156-60-5	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,2-Dichloropropane		78-87-5	1	1	U	1	U	1	U	1	U	1	U	1	U
cis-1,3-Dichloropropene		10061-01-5	0.4	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
trans-1,3-Dichloropropene		10061-02-6	0.4	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
1,4-Dioxane		123-91-1	NE	250	U	250	U	250	U	250	U	--		--	
Ethylbenzene		100-41-4	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
2-Hexanone		591-78-6	50*	5	U	5	U	5	U	5	U	5	U	5	U
Isopropylbenzene		98-82-8	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Methyl acetate		79-20-9	NE	2	U	2	U	2	U	2	U	2.5	U	2.5	U
Methyl ethyl ketone (2-Butanone)		78-93-3	50*	5	U	5	U	5	U	5	U	10	U	10	U
Methyl tert-butyl ether (MTBE)		1634-04-4	10*	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
4-Methyl-2-pentanone (MIBK)		108-10-1	NE	5	U	5	U	5	U	5	U	5	U	5	U
Methylcyclohexane		108-87-2	NE	10	U	10	U	10	U	10	U	1	U	1	U
Methylene chloride		75-09-2	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Styrene		100-42-5	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,1,2,2-Tetrachloroethane		79-34-5	5	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
Tetrachloroethene (PCE)		127-18-4	5	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
Tetrahydrofuran		109-99-9	50*	5	U	--		--		--		--		--	
Toluene		108-88-3	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		76-13-1	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,2,3-Trichlorobenzene		87-61-6	5	2.5	U	2.5	U	2.5	U	2.5	U	--		--	
1,2,4-Trichlorobenzene		120-82-1	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,1,1-Trichloroethane (TCA)		71-55-6	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,1,2-Trichloroethane		79-00-5	1	1.5	U	1.5	U	1.5	U	1.5	U	1	U	1	U
Trichloroethene (TCE)		79-01-6	5	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
Trichlorofluoromethane (Freon 11)		75-69-4	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Vinyl chloride		75-01-4	2	4.7		15		12		15		13		11	
o-Xylene		95-47-6	5	2.5	U	2.5	U	2.5	U	2.5	U	--		--	
m/p-Xylene		179601-23-1	5	2.5	U	2.5	U	2.5	U	2.5	U	--		--	
Total Xylene				2.5	U	2.5	U	2.5	U	2.5	U	2	U	2	U
Total VOCs		--	NE	4.7		15		12		19.9	J	13		11	

Table 4A. Historical Groundwater VOC Analysis Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

Analyte	Units	Sample Name Sample Date		MW8 11/29/2023		MW8 12/9/2024		MW8 3/11/2025		MW8 6/16/2025		MW8 9/24/2025		MW8 12/9/2025	
		CAS No.	NYS AWQS												
Volatile Organic Compounds	ug/L														
Acetone		67-64-1	50*	5	U	2.2	J	3.9	J	8.1		3.5	J	40	U
Benzene		71-43-2	1	0.5	U	0.5	U	0.5	U	0.5	U	1	U	4	U
Bromochloromethane		74-97-5	5	2.5	U	2.5	U	2.5	U	2.5	U	--		--	
Bromodichloromethane		75-27-4	50*	0.5	U	0.5	U	0.5	U	0.5	U	1	U	4	U
Bromoform		75-25-2	50*	2	U	2	U	2	U	2	U	1	U	4	U
Bromomethane		74-83-9	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	4	U
Carbon disulfide		75-15-0	60*	5	U	5	U	5	U	5	U	1	U	4	U
Carbon tetrachloride		56-23-5	5	0.5	U	0.5	U	0.5	U	0.5	U	1	U	4	U
Chlorobenzene		108-90-7	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	4	U
Chloroethane		75-00-3	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	4	U
Chloroform (Trichloromethane)		67-66-3	7	2.5	U	2.5	U	2.5	U	2.5	U	1	U	4	U
Chloromethane		74-87-3	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	4	U
Cyclohexane		110-82-7	NE	10	U	10	U	10	U	10	U	1	U	4	U
1,2-Dibromo-3-chloropropane		96-12-8	0.04	2.5	U	2.5	U	2.5	U	2.5	U	1	U	4	U
Dibromochloromethane		124-48-1	50*	0.5	U	0.5	U	0.5	U	0.5	U	1	U	4	U
1,2-Dibromoethane (EDB)		106-93-4	0.0006	2	U	2	U	2	U	2	U	1	U	4	U
1,2-Dichlorobenzene (o-DCB)		95-50-1	3	2.5	U	2.5	U	2.5	U	2.5	U	1	U	4	U
1,3-Dichlorobenzene (m-DCB)		541-73-1	3	2.5	U	2.5	U	2.5	U	2.5	U	1	U	4	U
1,4-Dichlorobenzene (p-DCB)		106-46-7	3	2.5	U	2.5	U	2.5	U	2.5	U	1	U	4	U
Dichlorodifluoromethane (Freon 12)		75-71-8	5	5	U	5	U	5	U	5	U	1	U	4	U
1,1-Dichloroethane		75-34-3	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	4	U
1,2-Dichloroethane		107-06-2	0.6	0.5	U	0.5	U	0.5	U	0.5	U	1	U	4	U
1,1-Dichloroethene		75-35-4	5	0.5	U	0.5	U	0.5	U	0.5	U	1	U	4	U
cis-1,2-Dichloroethene		156-59-2	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	4	U
trans-1,2-Dichloroethene		156-60-5	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	4	U
1,2-Dichloropropane		78-87-5	1	1	U	1	U	1	U	1	U	1	U	4	U
cis-1,3-Dichloropropene		10061-01-5	0.4	0.5	U	0.5	U	0.5	U	0.5	U	1	U	4	U
trans-1,3-Dichloropropene		10061-02-6	0.4	0.5	U	0.5	U	0.5	U	0.5	U	1	U	4	U
1,4-Dioxane		123-91-1	NE	250	U	250	U	250	U	250	U	--		--	
Ethylbenzene		100-41-4	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	4	U
2-Hexanone		591-78-6	50*	5	U	5	U	5	U	5	U	5	U	20	U
Isopropylbenzene		98-82-8	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	4	U
Methyl acetate		79-20-9	NE	2	U	2	U	2	U	2	U	2.5	U	10	U
Methyl ethyl ketone (2-Butanone)		78-93-3	50*	5	U	5	U	5	U	5	U	10	U	40	U
Methyl tert-butyl ether (MTBE)		1634-04-4	10*	2.5	U	0.34	J	0.2	J	0.31	J	1	U	4	U
4-Methyl-2-pentanone (MIBK)		108-10-1	NE	5	U	5	U	5	U	5	U	5	U	20	U
Methylcyclohexane		108-87-2	NE	10	U	10	U	10	U	10	U	1	U	4	U
Methylene chloride		75-09-2	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	4	U
Styrene		100-42-5	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	4	U
1,1,2,2-Tetrachloroethane		79-34-5	5	0.5	U	0.5	U	0.5	U	0.5	U	1	U	4	U
Tetrachloroethene (PCE)		127-18-4	5	0.5	U	0.5	U	0.5	U	0.5	U	1	U	4	U
Tetrahydrofuran		109-99-9	50*	5	U	--		--		--		--		--	
Toluene		108-88-3	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	4	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		76-13-1	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	4	U
1,2,3-Trichlorobenzene		87-61-6	5	2.5	U	2.5	U	2.5	U	2.5	U	--		--	
1,2,4-Trichlorobenzene		120-82-1	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	4	U
1,1,1-Trichloroethane (TCA)		71-55-6	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	4	U
1,1,2-Trichloroethane		79-00-5	1	1.5	U	1.5	U	1.5	U	1.5	U	1	U	4	U
Trichloroethene (TCE)		79-01-6	5	0.5	U	0.5	U	0.5	U	0.5	U	1	U	4	U
Trichlorofluoromethane (Freon 11)		75-69-4	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	4	U
Vinyl chloride		75-01-4	2	1	U	0.21	J	0.11	J	0.43	J	1	U	4	U
o-Xylene		95-47-6	5	2.5	U	2.5	U	2.5	U	2.5	U	--		--	
m/p-Xylene		179601-23-1	5	2.5	U	2.5	U	2.5	U	2.5	U	--		--	
Total Xylene				2.5	U	2.5	U	2.5	U	2.5	U	2	U	8	U
Total VOCs		--	NE	ND		2.75	J	4.21	J	8.84	J	3.5		ND	

Table 4A. Historical Groundwater VOC Analysis Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

Analyte	Units	Sample Name Sample Date		MW11 11/29/2023		MW11 12/11/2024		MW11 3/11/2025		MW11 6/16/2025		MW11 9/24/2025		MW11 12/9/2025	
		CAS No.	NYS AWQS												
Volatile Organic Compounds	ug/L														
Acetone		67-64-1	50*	5	U	5	U	5	U	1.9	J	10	U	10	U
Benzene		71-43-2	1	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
Bromochloromethane		74-97-5	5	2.5	U	2.5	U	2.5	U	2.5	U	--		--	
Bromodichloromethane		75-27-4	50*	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
Bromoform		75-25-2	50*	2	U	2	U	2	U	2	U	1	U	1	U
Bromomethane		74-83-9	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Carbon disulfide		75-15-0	60*	5	U	5	U	5	U	5	U	1	U	1	U
Carbon tetrachloride		56-23-5	5	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	UF1
Chlorobenzene		108-90-7	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Chloroethane		75-00-3	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Chloroform (Trichloromethane)		67-66-3	7	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Chloromethane		74-87-3	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Cyclohexane		110-82-7	NE	10	U	10	U	10	U	10	U	1	U	1	U
1,2-Dibromo-3-chloropropane		96-12-8	0.04	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Dibromochloromethane		124-48-1	50*	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
1,2-Dibromoethane (EDB)		106-93-4	0.0006	2	U	2	U	2	U	2	U	1	U	1	U
1,2-Dichlorobenzene (o-DCB)		95-50-1	3	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,3-Dichlorobenzene (m-DCB)		541-73-1	3	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,4-Dichlorobenzene (p-DCB)		106-46-7	3	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Dichlorodifluoromethane (Freon 12)		75-71-8	5	5	U	5	U	5	U	5	U	1	U	1	UF1
1,1-Dichloroethane		75-34-3	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,2-Dichloroethane		107-06-2	0.6	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
1,1-Dichloroethene		75-35-4	5	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	UF1
cis-1,2-Dichloroethene		156-59-2	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
trans-1,2-Dichloroethene		156-60-5	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,2-Dichloropropane		78-87-5	1	1	U	1	U	1	U	1	U	1	U	1	U
cis-1,3-Dichloropropene		10061-01-5	0.4	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
trans-1,3-Dichloropropene		10061-02-6	0.4	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
1,4-Dioxane		123-91-1	NE	250	U	250	U	250	U	250	U	--		--	
Ethylbenzene		100-41-4	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
2-Hexanone		591-78-6	50*	5	U	5	U	5	U	5	U	5	U	5	U
Isopropylbenzene		98-82-8	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Methyl acetate		79-20-9	NE	2	U	2	U	2	U	2	U	2.5	U	2.5	U
Methyl ethyl ketone (2-Butanone)		78-93-3	50*	5	U	5	U	5	U	5	U	10	U	10	U
Methyl tert-butyl ether (MTBE)		1634-04-4	10*	2.5	U	0.28	J	2.5	U	2.5	U	1	U	1	U
4-Methyl-2-pentanone (MIBK)		108-10-1	NE	5	U	5	U	5	U	5	U	5	U	5	U
Methylcyclohexane		108-87-2	NE	10	U	10	U	10	U	10	U	1	U	1	U
Methylene chloride		75-09-2	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Styrene		100-42-5	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,1,2,2-Tetrachloroethane		79-34-5	5	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
Tetrachloroethene (PCE)		127-18-4	5	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	UF1
Tetrahydrofuran		109-99-9	50*	--		--		--		--		--		--	
Toluene		108-88-3	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		76-13-1	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,2,3-Trichlorobenzene		87-61-6	5	2.5	U	2.5	U	2.5	U	2.5	U	--		--	
1,2,4-Trichlorobenzene		120-82-1	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,1,1-Trichloroethane (TCA)		71-55-6	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	UF1
1,1,2-Trichloroethane		79-00-5	1	1.5	U	1.5	U	1.5	U	1.5	U	1	U	1	U
Trichloroethene (TCE)		79-01-6	5	0.27	J	0.5	U	0.5	U	0.5	U	1	U	1	UF1
Trichlorofluoromethane (Freon 11)		75-69-4	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Vinyl chloride		75-01-4	2	0.34	J	0.36	J	0.14	J	2.6		1	U	1	U
o-Xylene		95-47-6	5	2.5	U	2.5	U	2.5	U	2.5	U	--		--	
m/p-Xylene		179601-23-1	5	2.5	U	2.5	U	2.5	U	2.5	U	--		--	
Total Xylene				2.5	U	2.5	U	2.5	U	2.5	U	2	U	2	U
Total VOCs		--	NE	0.61	J	0.64	J	0.14	J	4.5	J	ND		ND	

Table 4A. Historical Groundwater VOC Analysis Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

Analyte	Units	Sample Name Sample Date		MW12S 11/30/2023		MW12S 12/11/2024		MW12S 3/11/2025		MW12S 6/18/2025		MW12S 9/24/2025		MW12S 12/10/2025	
		CAS No.	NYS AWQS												
Volatile Organic Compounds	ug/L														
Acetone		67-64-1	50*	5	U	5	U	5	U	2.7	J	10	U	10	U
Benzene		71-43-2	1	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
Bromochloromethane		74-97-5	5	2.5	U	2.5	U	2.5	U	2.5	U	--		--	
Bromodichloromethane		75-27-4	50*	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
Bromoform		75-25-2	50*	2	U	2	U	2	U	2	U	1	U	1	U
Bromomethane		74-83-9	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Carbon disulfide		75-15-0	60*	5	U	5	U	5	U	5	U	1	U	1	U
Carbon tetrachloride		56-23-5	5	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
Chlorobenzene		108-90-7	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Chloroethane		75-00-3	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Chloroform (Trichloromethane)		67-66-3	7	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Chloromethane		74-87-3	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Cyclohexane		110-82-7	NE	10	U	10	U	10	U	10	U	1	U	1	U
1,2-Dibromo-3-chloropropane		96-12-8	0.04	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Dibromochloromethane		124-48-1	50*	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
1,2-Dibromoethane (EDB)		106-93-4	0.0006	2	U	2	U	2	U	2	U	1	U	1	U
1,2-Dichlorobenzene (o-DCB)		95-50-1	3	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,3-Dichlorobenzene (m-DCB)		541-73-1	3	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,4-Dichlorobenzene (p-DCB)		106-46-7	3	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Dichlorodifluoromethane (Freon 12)		75-71-8	5	5	U	5	U	5	U	5	U	1	U	1	U
1,1-Dichloroethane		75-34-3	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,2-Dichloroethane		107-06-2	0.6	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
1,1-Dichloroethene		75-35-4	5	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
cis-1,2-Dichloroethene		156-59-2	5	7.2		3.4		2.3	J	1.7	J	2.3		1.3	
trans-1,2-Dichloroethene		156-60-5	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,2-Dichloropropane		78-87-5	1	1	U	1	U	1	U	1	U	1	U	1	U
cis-1,3-Dichloropropene		10061-01-5	0.4	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
trans-1,3-Dichloropropene		10061-02-6	0.4	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
1,4-Dioxane		123-91-1	NE	250	U	250	U	250	U	250	U	--		--	
Ethylbenzene		100-41-4	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
2-Hexanone		591-78-6	50*	5	U	5	U	5	U	5	U	5	U	5	U
Isopropylbenzene		98-82-8	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Methyl acetate		79-20-9	NE	2	U	2	U	2	U	2	U	2.5	U	2.5	U
Methyl ethyl ketone (2-Butanone)		78-93-3	50*	5	U	5	U	5	U	5	U	10	U	10	U
Methyl tert-butyl ether (MTBE)		1634-04-4	10*	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
4-Methyl-2-pentanone (MIBK)		108-10-1	NE	5	U	5	U	5	U	5	U	5	U	5	U
Methylcyclohexane		108-87-2	NE	10	U	10	U	10	U	10	U	1	U	1	U
Methylene chloride		75-09-2	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Styrene		100-42-5	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,1,2,2-Tetrachloroethane		79-34-5	5	0.5	U	0.5	U	0.5	U	0.5	U	1	U	1	U
Tetrachloroethene (PCE)		127-18-4	5	0.5		0.5	U	0.5	U	0.5	U	1	U	1	U
Tetrahydrofuran		109-99-9	50*	5	U	--		--		--		--		--	
Toluene		108-88-3	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		76-13-1	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,2,3-Trichlorobenzene		87-61-6	5	2.5	U	2.5	U	2.5	U	2.5	U	--		--	
1,2,4-Trichlorobenzene		120-82-1	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,1,1-Trichloroethane (TCA)		71-55-6	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
1,1,2-Trichloroethane		79-00-5	1	1.5	U	1.5	U	1.5	U	1.5	U	1	U	1	U
Trichloroethene (TCE)		79-01-6	5	0.61		0.32	J	0.24	J	0.45	J	1	U	1	U
Trichlorofluoromethane (Freon 11)		75-69-4	5	2.5	U	2.5	U	2.5	U	2.5	U	1	U	1	U
Vinyl chloride		75-01-4	2	0.47	J	3.7		1.4		1.3		1.5		1	U
o-Xylene		95-47-6	5	2.5	U	2.5	U	2.5	U	2.5	U	--		--	
m/p-Xylene		179601-23-1	5	2.5	U	2.5	U	2.5	U	2.5	U	--		--	
Total Xylene				2.5	U	2.5	U	2.5	U	2.5	U	2	U	2	U
Total VOCs		--	NE	8.78	J	7.42	J	3.94	J	6.15	J	3.8		1.3	

Table 4B. Historical Groundwater PFAS Analysis Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

				Sample Name Sample Date Parent Sample		MW1 2/28/2022		MW1R 11/30/2023		MW2 2/28/2022		MW2R 12/1/2023	
Analyte	Units	CAS No.	NYS AWQS										
PFAS	ng/L												
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)		763051-92-9	NE	--		--		--		--		--	
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)		914637-49-3	NE	--		--		--		--		--	
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)		812-70-4	NE	--		--		--		--		--	
3-Perfluoropropyl Propanoic Acid (3:3FTCA)		356-02-5	NE	--		--		--		--		--	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		919005-14-4	NE	--		--		--		--		--	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)		756426-58-1	NE	--		--		--		--		--	
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)		4151-50-2	NE	--		--		--		--		--	
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)		1691-99-2	NE	--		--		--		--		--	
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		2991-50-6	NE	1.71	U	1.88	U	1.84	U	1.88	U	1.88	U
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)		31506-32-8	NE	--		--		--		--		--	
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)		24448-09-7	NE	--		--		--		--		--	
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		2355-31-9	NE	1.71	U	1.88	U	1.84	U	1.88	U	1.88	U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		151772-58-6	NE	--		--		--		--		--	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)		113507-82-7	NE	--		--		--		--		--	
Perfluoro(2-Propoxypropanoic) Acid		13252-13-6	NE	--		--		--		--		--	
Perfluoro-3-methoxypropanoic acid (PFMPA)		377-73-1	NE	--		--		--		--		--	
Perfluoro-4-methoxybutanoic acid (PFMBA)		863090-89-5	NE	--		--		--		--		--	
Perfluorobutanesulfonic acid (PFBS)		375-73-5	NE	7.01		1.17	J	0.646	J	1.14	J	1.14	J
Perfluorobutanoic acid (PFBA)		375-22-4	NE	15.8		10.7		1.84	U	4.26		4.26	
Perfluorodecanesulfonic acid (PFDS)		335-77-3	NE	1.71	U	1.88	U	1.84	U	1.88	U	1.88	U
Perfluorodecanoic acid (PFDA)		335-76-2	NE	1.71	U	1.88	U	0.41	J	1.88	U	1.88	U
Perfluorododecanesulfonic Acid (PFDoS)		79780-39-5	NE	--		--		--		--		--	
Perfluorododecanoic acid (PFDoA)		307-55-1	NE	1.71	U	1.88	U	1.84	U	1.88	U	1.88	U
Perfluoroheptanesulfonic acid (PFHpS)		375-92-8	NE	1.72		0.773	J	1.84	U	1.88	U	1.88	U
Perfluoroheptanoic acid (PFHpA)		375-85-9	NE	18.8		3.34		0.933	J	3.03		3.03	
Perfluorohexanoic acid (PFHxA)		307-24-4	NE	21.4	J	10.2		2.26		4.66		4.66	
Perfluorononanesulfonic Acid (PfnS)		68259-12-1	NE	--		--		--		--		--	
Perfluorooctanesulfonamide (FOSA)		754-91-6	NE	1.71	U	1.88	U	1.84	U	1.88	U	1.88	U
Perfluoropentanesulfonic Acid (Pfpes)		2706-91-4	NE	--		--		--		--		--	
Perfluoropentanoic Acid (PFPeA)		2706-90-3	NE	44.6	J	12.5		2.25		6.14		6.14	
Perfluorotetradecanoic acid (PFTA/PFTeDA)		376-06-7	NE	1.71	U	1.88	U	1.84	U	1.88	U	1.88	U
Perfluorotridecanoic acid (PFTriA/PFTrDA)		72629-94-8	NE	1.71	U	1.88	U	1.84	U	1.88	U	1.88	U
Perfluoroundecanoic acid (PFUnA)		2058-94-8	NE	1.71	U	1.88	U	1.84	U	1.88	U	1.88	U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)		39108-34-4	NE	1.71	U	1.88	U	1.84	U	1.88	U	1.88	U
Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)		757124-72-4	NE	--		--		--		--		--	
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)		27619-97-2	NE	1.71	U	1.88	U	1.84	U	1.25	J	1.25	J
Perfluorohexanesulfonic acid (PFHxS)		355-46-4	NE	12.6		1.29	J	1.84	U	2.8		2.8	
Perfluorononanoic Acid (PFNA)		375-95-1	NE	2.16		2.52		0.376	J	1.08	J	1.08	J
Perfluorooctanesulfonic acid (PFOS)		1763-23-1	2.7	61.8	J	22.4		2.21	J	17.9		17.9	
Perfluorooctanoic Acid (PFOA)		335-67-1	6.7	30.7	J	6.32		0.886	J	13		13	
PFOA/PFOS, Total		N/A	NE	92.5		28.7		3.1	J	30.9		30.9	

Table 4B. Historical Groundwater PFAS Analysis Results
UniFirst Corporation
Liverpool, NY
BCP Site No. 734152

				Sample Name	TW6	DUP	MW3S	MW3S	MW3S	MW3S	MW3S	MW3S	MW3S
				Sample Date	2/27/2022	2/27/2022	12/1/2023	12/10/2024	3/12/2025	6/17/2025	9/24/2025	12/11/2025	
				Parent Sample		TW6							
Analyte	Units	CAS No.	NYS AWQS										
PFAS	ng/L												
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)		763051-92-9	NE		--	--	--	6.26	U	32	U	32	U
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)		914637-49-3	NE		--	--	--	39.1	U	200	U	200	U
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)		812-70-4	NE		--	--	--	39.1	U	200	U	200	U
3-Perfluoropropyl Propanoic Acid (3:3FTCA)		356-02-5	NE		--	--	--	7.83	U	40	U	40	U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		919005-14-4	NE		--	--	--	6.26	U	32	U	32	U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)		756426-58-1	NE		--	--	--	6.26	U	32	U	32	U
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)		4151-50-2	NE		--	--	--	1.56	U	8	U	8	U
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)		1691-99-2	NE		--	--	--	15.6	U	80	U	80	U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		2991-50-6	NE		1.83	U	1.82	U	2	U	1.56	U	8
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)		31506-32-8	NE		--	--	--	1.56	U	8	U	8	U
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)		24448-09-7	NE		--	--	--	15.6	U	80	U	80	U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		2355-31-9	NE		6.07	J	6.14	J	2	U	1.27	J	8
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		151772-58-6	NE		--	--	--	3.13	U	16	U	16	U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESEA)		113507-82-7	NE		--	--	--	3.13	U	16	U	16	U
Perfluoro(2-Propoxypropanoic) Acid		13252-13-6	NE		--	--	--	6.26	U	32	U	32	U
Perfluoro-3-methoxypropanoic acid (PFMPA)		377-73-1	NE		--	--	--	3.13	U	16	U	5.64	J
Perfluoro-4-methoxybutanoic acid (PFMBa)		863090-89-5	NE		--	--	--	3.13	U	16	U	16	U
Perfluorobutanesulfonic acid (PFBS)		375-73-5	NE		6.12		5.77		4.58	F	13.3	F	6.72
Perfluorobutanoic acid (PFBA)		375-22-4	NE		13		13.3		14.6		6.26	U	18.4
Perfluorodecanesulfonic acid (PFDS)		335-77-3	NE		1.83	U	1.82	U	2	U	1.56	U	8
Perfluorodecanoic acid (PFDA)		335-76-2	NE		2.9		3.2		2	U	1.56	U	8
Perfluorododecanesulfonic Acid (PFDoS)		79780-39-5	NE		--	--	--	1.56	U	8	U	8	U
Perfluorododecanoic acid (PFDoA)		307-55-1	NE		0.539	J	0.505	J	2	U	1.56	U	8
Perfluoroheptanesulfonic acid (PFHpS)		375-92-8	NE		1.95		2.22		3.05	J	0.689	J	8
Perfluoroheptanoic acid (PFHpA)		375-85-9	NE		16.2		16.2		8.5		10.3	J	11
Perfluorohexanoic acid (PFHxA)		307-24-4	NE		30.9		30.9		13.6		14		21.1
Perfluorononanesulfonic Acid (PfnS)		68259-12-1	NE		--	--	--	1.56	U	8	U	8	U
Perfluorooctanesulfonamide (FOSA)		754-91-6	NE		1.24	J	1.76	J	2	U	1.56	U	8
Perfluoropentanesulfonic Acid (Pfpes)		2706-91-4	NE		--	--	--	2.14		2.56	J	2.08	J
Perfluoropentanoic Acid (PFPeA)		2706-90-3	NE		49.4		48.8		20.5		19		24
Perfluorotetradecanoic acid (PFTA/PFTeDA)		376-06-7	NE		1.83	U	1.82	U	2	U	1.56	U	8
Perfluorotridecanoic acid (PFTriA/PFTriDA)		72629-94-8	NE		1.83	U	1.82	U	2	U	1.56	U	8
Perfluoroundecanoic acid (PFUnA)		2058-94-8	NE		1.04	J	0.978	J	2	U	1.56	U	8
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)		39108-34-4	NE		1.83	U	1.82	U	2	U	6.26	U	32
Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)		757124-72-4	NE		--	--	--	6.26	U	32	U	32	U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)		27619-97-2	NE		1.83	U	1.82	U	1.57	J	6.26	U	32
Perfluorohexanesulfonic acid (PFHxS)		355-46-4	NE		10.1		10.3		12.4	J	6.48		7.08
Perfluorononanoic Acid (PFNA)		375-95-1	NE		4.64		4.98		2	U	0.697	J	8
Perfluorooctanesulfonic acid (PFOS)		1763-23-1	2.7		118		122		10.1		19.1		24.4
Perfluorooctanoic Acid (PFOA)		335-67-1	6.7		34.1		35		17.2		32.2		30.4
PFOA/PFOS, Total		N/A	NE		152		157		27.3		51.3		54.8
													28.7
													21.6
													I
													72

Table 4B. Historical Groundwater PFAS Analysis Results
UniFirst Corporation
Liverpool, NY
BCP Site No. 734152

Analyte	Units	CAS No.	Sample Name Sample Date Parent Sample NYS AWQS	MW3I 11/30/2023		MW3I 12/10/2024		MW3I 3/12/2025		MW3I 6/17/2025		MW3I 9/24/2025		MW3I 12/11/2025	
PFAS	ng/L														
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)		763051-92-9	NE	--		6.53	U	6.24	U	6.5	U	1.6	U	1.4	U
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)		914637-49-3	NE	--		40.8	U	39	U	40.6	U	7.8	U	7.1	U
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)		812-70-4	NE	--		40.8	U	39	U	40.6	U	7.8	U	7.1	U
3-Perfluoropropyl Propanoic Acid (3:3FTCA)		356-02-5	NE	--		8.16	U	7.8	U	8.13	U	3.1	U	2.9	U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		919005-14-4	NE	--		6.53	U	6.24	U	6.5	U	1.6	U	1.4	U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)		756426-58-1	NE	--		6.53	U	6.24	U	6.5	U	1.6	U	1.4	U
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)		4151-50-2	NE	--		1.63	U	1.56	U	1.62	U	1.6	U	1.4	U
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)		1691-99-2	NE	--		16.3	U	15.6	U	16.2	U	7.8	U	7.1	U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		2991-50-6	NE	1.87	U	1.63	U	1.56	U	1.62	U	1.6	U	1.4	U
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)		31506-32-8	NE	--		1.63	U	1.56	U	1.62	U	1.6	U	1.4	U
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)		24448-09-7	NE	--		16.3	U	15.6	U	16.2	U	7.8	U	7.1	U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		2355-31-9	NE	1.87	U	1.63	U	1.56	U	1.62	U	1.6	U	0.47	J
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		151772-58-6	NE	--		3.26	U	3.12	U	3.25	U	1.6	U	1.4	U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESEA)		113507-82-7	NE	--		3.26	U	3.12	U	3.25	U	1.6	U	1.4	U
Perfluoro(2-Propoxypropanoic) Acid		13252-13-6	NE	--		6.53	U	6.24	U	6.5	U	1.6	U	1.4	U
Perfluoro-3-methoxypropanoic acid (PFMPA)		377-73-1	NE	--		3.26	U	3.12	U	3.25	U	1.6	U	1.4	U
Perfluoro-4-methoxybutanoic acid (PFMBA)		863090-89-5	NE	--		3.26	U	3.12	U	3.25	U	1.6	U	1.4	U
Perfluorobutanesulfonic acid (PFBS)		375-73-5	NE	1.87	U	1.63	U	1.56	U	1.62	U	1.6	U	1.2	J
Perfluorobutanoic acid (PFBA)		375-22-4	NE	1.59	J	2.23	J	2.28	J	6.5	U	0.97	J	3.3	
Perfluorodecanesulfonic acid (PFDS)		335-77-3	NE	1.87	U	1.63	U	1.56	U	1.62	U	1.6	U	1.4	U
Perfluorodecanoic acid (PFDA)		335-76-2	NE	1.87	U	1.63	U	1.56	U	1.62	U	1.6	U	0.4	J
Perfluorododecanesulfonic Acid (PFDoS)		79780-39-5	NE	--		1.63	U	1.56	U	1.62	U	1.6	U	1.4	U
Perfluorododecanoic acid (PFDoA)		307-55-1	NE	1.87	U	1.63	U	1.56	U	1.62	U	1.6	U	1.4	U
Perfluoroheptanesulfonic acid (PFHpS)		375-92-8	NE	1.87	U	1.63	U	1.56	U	1.62	U	1.6	U	1.4	U
Perfluoroheptanoic acid (PFHpA)		375-85-9	NE	1.87	U	1.63	U	1.56	U	1.62	U	1.6	U	1.1	J
Perfluorohexanoic acid (PFHxA)		307-24-4	NE	1.87	U	1.63	U	0.39	JF	1.62	U	1.6	U	2.4	
Perfluorononanesulfonic Acid (PfnS)		68259-12-1	NE	--		1.63	U	1.56	U	1.62	U	1.6	U	1.4	U
Perfluorooctanesulfonamide (FOSA)		754-91-6	NE	1.87	U	1.63	U	1.56	U	1.62	U	1.6	U	1.4	U
Perfluoropentanesulfonic Acid (Pfpes)		2706-91-4	NE	--		1.63	U	1.56	U	1.62	U	1.6	U	0.38	J
Perfluoropentanoic Acid (PFPeA)		2706-90-3	NE	1.87	U	0.53	J	0.764	J	3.25	U	1.6	U	4	
Perfluorotetradecanoic acid (PFTA/PFTeDA)		376-06-7	NE	1.87	U	1.63	U	1.56	U	1.62	U	1.6	U	1.4	U
Perfluorotridecanoic acid (PFTriA/PFTrDA)		72629-94-8	NE	1.87	U	1.63	U	1.56	U	1.62	U	1.6	U	1.4	U
Perfluoroundecanoic acid (PFUnA)		2058-94-8	NE	1.87	U	1.63	U	1.56	U	1.62	U	1.6	U	1.4	U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)		39108-34-4	NE	1.87	U	6.53	U	6.24	U	6.5	U	3.1	U	2.9	U
Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)		757124-72-4	NE	--		6.53	U	6.24	U	6.5	U	3.1	U	2.9	U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)		27619-97-2	NE	1.48	J	6.53	U	6.24	U	6.5	U	3.1	U	2.9	U
Perfluorohexanesulfonic acid (PFHxS)		355-46-4	NE	1.87	U	1.63	U	1.56	U	1.62	U	1.6	U	1.2	J
Perfluorononanoic Acid (PFNA)		375-95-1	NE	1.87	U	1.63	U	1.56	U	1.62	U	1.6	U	0.6	J
Perfluorooctanesulfonic acid (PFOS)		1763-23-1	2.7	1.87	U	1.63	U	3.49		0.626	J	1.6	U	28	
Perfluorooctanoic Acid (PFOA)		335-67-1	6.7	1.87	U	1.63	U	0.288	J	1.62	U	1.6	U	2.4	
PFOA/PFOS, Total		N/A	NE	1.87	U	1.63	U	3.778	J	0.626	J	1.6	U	30.4	

Table 4B. Historical Groundwater PFAS Analysis Results
UniFirst Corporation
Liverpool, NY
BCP Site No. 734152

				Sample Name	MW4S	MW4S	MW4S	MW4S	DUP-061725	MW4S	MW4S						
				Sample Date	12/1/2023	12/10/2024	3/12/2025	6/17/2025	6/17/2025	9/24/2025	12/11/2025						
				Parent Sample					MW4S								
Analyte	Units	CAS No.	NYS AWQS														
PFAS	ng/L																
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)		763051-92-9	NE	--	5.76	U	6.02	U	6.03	U	1.5	U	1.8	U			
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)		914637-49-3	NE	--	36	U	37.6	U	37.7	U	40	U	7.7	U	9	U	
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)		812-70-4	NE	--	36	U	37.6	U	37.7	U	40	U	7.7	U	9	U	
3-Perfluoropropyl Propanoic Acid (3:3FTCA)		356-02-5	NE	--	7.2	U	7.52	U	7.54	U	8.01	U	3.1	U	3.6	U	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		919005-14-4	NE	--	5.76	U	6.02	U	6.03	U	6.41	U	1.5	U	1.8	U	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)		756426-58-1	NE	--	5.76	U	6.02	U	6.03	U	6.41	U	1.5	U	1.8	U	
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)		4151-50-2	NE	--	1.44	U	1.5	U	1.51	U	1.6	U	1.5	U	1.8	U	
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)		1691-99-2	NE	--	14.4	U	15	U	15.1	U	16	U	7.7	U	9	U	
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		2991-50-6	NE	1.94	U	1.44	U	1.5	U	1.51	U	1.6	U	1.5	U	1.8	U
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)		31506-32-8	NE	--	1.44	U	1.5	U	1.51	U	1.6	U	1.5	U	1.8	U	
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)		24448-09-7	NE	--	14.4	U	15	U	15.1	U	16	U	7.7	U	9	U	
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		2355-31-9	NE	1.94	U	1.44	U	1.5	U	1.51	U	1.6	U	1.5	U	1.8	U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		151772-58-6	NE	--	2.88	U	3.01	U	3.01	U	3.2	U	1.5	U	1.8	U	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		113507-82-7	NE	--	2.88	U	3.01	U	3.01	U	3.2	U	1.5	U	1.8	U	
Perfluoro(2-Propoxypropanoic) Acid		13252-13-6	NE	--	5.76	U	6.02	U	6.03	U	6.41	U	1.5	U	1.8	U	
Perfluoro-3-methoxypropanoic acid (PFMPA)		377-73-1	NE	--	2.88	U	3.01	U	3.01	U	3.2	U	1.5	U	1.8	U	
Perfluoro-4-methoxybutanoic acid (PFMBA)		863090-89-5	NE	--	2.88	U	3.01	U	3.01	U	3.2	U	1.5	U	1.8	U	
Perfluorobutanesulfonic acid (PFBS)		375-73-5	NE	4.52	4.43	5.12	2.53	3.32	4.4	2.9							
Perfluorobutanoic acid (PFBA)		375-22-4	NE	12.6	11.3	29.7	8.3	9.64	12	5.8							
Perfluorodecanesulfonic acid (PFDS)		335-77-3	NE	1.94	U	1.44	U	1.5	U	1.51	U	1.6	U	1.5	U	1.8	U
Perfluorodecanoic acid (PFDA)		335-76-2	NE	1.94	U	3.07	7.81	6.54	6.02	1.5	2.1						
Perfluorododecanesulfonic Acid (PFDoS)		79780-39-5	NE	--	1.44	U	1.5	U	1.51	U	1.6	U	1.5	U	1.8	U	
Perfluorododecanoic acid (PFDoA)		307-55-1	NE	1.94	U	1.44	U	1.5	U	1.51	U	1.6	U	1.5	U	1.8	U
Perfluoroheptanesulfonic acid (PFHpS)		375-92-8	NE	1.94	U	0.777	J	0.459	J	1.08	J	1.05	J	1.5	U	0.45	J
Perfluoroheptanoic acid (PFHpA)		375-85-9	NE	15.9	9.42	17.5	8.07	8.62	11	4.1							
Perfluorohexanoic acid (PFHxA)		307-24-4	NE	24.2	15.4	37.3	10.5	11.5	18	5.5							
Perfluorononanesulfonic Acid (PfnS)		68259-12-1	NE	--	1.44	U	1.5	U	1.51	U	1.6	U	1.5	U	1.8	U	
Perfluorooctanesulfonamide (FOSA)		754-91-6	NE	1.94	U	0.389	JF	0.293	J	0.505	JF	0.521	JF	1.5	U	1.8	U
Perfluoropentanesulfonic Acid (Pfpes)		2706-91-4	NE	--	0.936	J	0.579	J	0.829	J	0.913	J	0.8	J	1.8	U	
Perfluoropentanoic Acid (PFPeA)		2706-90-3	NE	36.4	26.6	67.4	12.4	15.4	25	6.7							
Perfluorotetradecanoic acid (PFTA/PFTeDA)		376-06-7	NE	1.94	U	1.44	U	1.5	U	1.51	U	1.6	U	1.5	U	1.8	U
Perfluorotridecanoic acid (PFTriA/PFTriDA)		72629-94-8	NE	1.94	U	1.44	U	1.5	U	1.51	U	1.6	U	1.5	U	1.8	U
Perfluoroundecanoic acid (PFUnA)		2058-94-8	NE	1.94	U	1.44	U	0.323	J	1.51	U	0.216	J	1.5	U	1.8	U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)		39108-34-4	NE	1.94	U	5.76	U	6.02	U	6.03	U	6.41	U	3.1	U	3.6	U
Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)		757124-72-4	NE	--	5.76	U	6.02	U	6.03	U	6.41	U	3.1	U	3.6	U	
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)		27619-97-2	NE	1.94	U	5.76	U	6.02	U	6.03	U	6.41	U	3.1	U	3.6	U
Perfluorohexanesulfonic acid (PFHxS)		355-46-4	NE	4.55	4.21	2.38	4.26	3.94	3.7	2.3							
Perfluorononanoic Acid (PFNA)		375-95-1	NE	3.61	6.46	7.66	10.4	10.6	4.1	3.7	I						
Perfluorooctanesulfonic acid (PFOS)		1763-23-1	2.7	12.9	45.4	31.2	75	72.1	17	28							
Perfluorooctanoic Acid (PFOA)		335-67-1	6.7	37.5	30.9	26.8	21.2	23.1	24	12							
PFOA/PFOS, Total		N/A	NE	50.4	76.3	58	96.2	95.2	41	40							

Table 4B. Historical Groundwater PFAS Analysis Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

				Sample Name		MW4I	DUP-12.1.23		MW4I	DUP-1210202		MW4I	MW4I	MW4I	MW4I				
				Sample Date		12/1/2023	12/1/2023		12/10/2024	12/10/2024		3/12/2025	6/17/2025	9/24/2025	12/11/2025				
				Parent Sample			MW4I			MW 4I									
Analyte	Units	CAS No.	NYS AWQS																
PFAS	ng/L																		
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)		763051-92-9	NE	--		--			6.38	U	6.36	U	6.32	U	6.03	U	1.6	U	
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)		914637-49-3	NE	--		--			39.9	U	39.8	U	39.5	U	37.7	U	8.2	U	
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)		812-70-4	NE	--		--			39.9	U	39.8	U	39.5	U	37.7	U	8.2	U	
3-Perfluoropropyl Propanoic Acid (3:3FTCA)		356-02-5	NE	--		--			7.97	U	7.96	U	7.9	U	7.54	U	3.3	U	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		919005-14-4	NE	--		--			6.38	U	6.36	U	6.32	U	6.03	U	1.6	U	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)		756426-58-1	NE	--		--			6.38	U	6.36	U	6.32	U	6.03	U	1.6	U	
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)		4151-50-2	NE	--		--			1.59	U	1.59	U	1.58	U	1.51	U	1.6	U	
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)		1691-99-2	NE	--		--			15.9	U	15.9	U	15.8	U	15.1	U	8.2	U	
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		2991-50-6	NE	1.84	U	1.84	U		1.59	U	1.59	U	1.58	U	1.51	U	1.6	U	
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)		31506-32-8	NE	--		--			1.59	U	1.59	U	1.58	U	1.51	U	1.6	U	
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)		24448-09-7	NE	--		--			15.9	U	15.9	U	15.8	U	15.1	U	8.2	U	
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		2355-31-9	NE	1.84	U	1.84	U		1.59	U	1.59	U	1.58	U	1.51	U	1.6	U	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		151772-58-6	NE	--		--			3.19	U	3.18	U	3.16	U	3.02	U	1.6	U	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESEA)		113507-82-7	NE	--		--			3.19	U	3.18	U	3.16	U	3.02	U	1.6	U	
Perfluoro(2-Propoxypropanoic) Acid		13252-13-6	NE	--		--			6.38	U	6.36	U	6.32	U	6.03	U	1.6	U	
Perfluoro-3-methoxypropanoic acid (PFMPA)		377-73-1	NE	--		--			3.19	U	3.18	U	3.16	U	3.02	U	1.6	U	
Perfluoro-4-methoxybutanoic acid (PFMBA)		863090-89-5	NE	--		--			3.19	U	3.18	U	3.16	U	3.02	U	1.6	U	
Perfluorobutanesulfonic acid (PFBS)		375-73-5	NE	1.84	U	1.84	U		1.59	U	1.59	U	1.58	U	1.51	U	1.6	U	
Perfluorobutanoic acid (PFBA)		375-22-4	NE	1.61	J	1.63	J	1.32	J	1.5	J	1.86	J	6.03	U	1.1	J	1.1	J
Perfluorodecanesulfonic acid (PFDS)		335-77-3	NE	1.84	U	1.84	U		1.59	U	1.59	U	1.58	U	1.51	U	1.6	U	
Perfluorodecanoic acid (PFDA)		335-76-2	NE	1.84	U	1.84	U		1.59	U	1.59	U	1.58	U	1.51	U	1.6	U	
Perfluorododecanesulfonic Acid (PFDoS)		79780-39-5	NE	--		--			1.59	U	1.59	U	1.58	U	1.51	U	1.6	U	
Perfluorododecanoic acid (PFDoA)		307-55-1	NE	1.84	U	1.84	U		1.59	U	1.59	U	1.58	U	1.51	U	1.6	U	
Perfluoroheptanesulfonic acid (PFHpS)		375-92-8	NE	1.84	U	1.84	U		1.59	U	1.59	U	1.58	U	1.51	U	1.6	U	
Perfluoroheptanoic acid (PFHpA)		375-85-9	NE	1.84	U	1.84	U		1.59	U	1.59	U	1.58	U	1.51	U	1.6	U	
Perfluorohexanoic acid (PFHxA)		307-24-4	NE	0.906	J	0.916	J	0.542	J	0.493	J	0.41	J	0.302	J	1.5	U	1.6	U
Perfluorononanesulfonic Acid (PfnS)		68259-12-1	NE	--		--			1.59	U	1.59	U	1.58	U	1.51	U	1.6	U	
Perfluorooctanesulfonamide (FOSA)		754-91-6	NE	1.84	U	1.84	U		1.59	U	1.59	U	1.58	U	1.51	U	1.6	U	
Perfluoropentanesulfonic Acid (Pfpes)		2706-91-4	NE	--		--			1.59	U	1.59	U	1.58	U	1.51	U	1.6	U	
Perfluoropentanoic Acid (PFPeA)		2706-90-3	NE	3.19	J	3.69	J	0.51	J	0.573	J	0.41	J	0.528	J	1.5	U	1.6	U
Perfluorotetradecanoic acid (PFTA/PFTeDA)		376-06-7	NE	1.84	U	1.84	U		1.59	U	1.59	U	1.58	U	1.51	U	1.6	U	
Perfluorotridecanoic acid (PFTriA/PFTriDA)		72629-94-8	NE	1.84	U	1.84	U		1.59	U	1.59	U	1.58	U	1.51	U	1.6	U	
Perfluoroundecanoic acid (PFUnA)		2058-94-8	NE	1.84	U	1.84	U		1.59	U	1.59	U	1.58	U	1.51	U	1.6	U	
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)		39108-34-4	NE	1.84	U	1.84	U		6.38	U	6.36	U	6.32	U	6.03	U	3.3	U	
Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)		757124-72-4	NE	--		--			6.38	U	6.36	U	6.32	U	6.03	U	3.3	U	
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)		27619-97-2	NE	1.82	J	3.38	J		6.38	U	6.36	U	6.32	U	6.03	U	3.3	U	
Perfluorohexanesulfonic acid (PFHxS)		355-46-4	NE	1.84	U	1.84	U		1.59	U	1.59	U	1.58	U	1.51	U	1.6	U	
Perfluorononanoic Acid (PFNA)		375-95-1	NE	1.84	U	1.84	U		1.59	U	1.59	U	1.58	U	1.51	U	1.6	U	
Perfluorooctanesulfonic acid (PFOS)		1763-23-1	2.7	1.84	U	1.84	U		1.59	U	1.59	U	1.58	U	0.256	J	1.5	U	
Perfluorooctanoic Acid (PFOA)		335-67-1	6.7	1.84	U	1.84	U		1.59	U	1.59	U	1.58	U	1.51	U	1.6	U	
PFOA/PFOS, Total		N/A	NE	1.84	U	1.84	U		1.59	U	1.59	U	1.58	U	0.256	J	1.5	U	

Table 4B. Historical Groundwater PFAS Analysis Results
UniFirst Corporation
Liverpool, NY
BCP Site No. 734152

				Sample Name	MW5S	MW5S	MW5S	MW5S	MW5S	MW5S	MW5S-DUP						
				Sample Date	11/29/2023	12/10/2024	3/12/2025	6/17/2025	9/24/2025	12/11/2025	12/11/2025						
				Parent Sample													
Analyte	Units	CAS No.	NYS AWQS														
PFAS	ng/L																
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)		763051-92-9	NE	--		6.06	U	5.95	U	6.07	U	1.8	U	1.6	U	1.7	U
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)		914637-49-3	NE	--		37.9	U	37.2	U	37.9	U	8.8	U	7.8	U	8.5	U
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)		812-70-4	NE	--		37.9	U	37.2	U	37.9	U	8.8	U	7.8	U	8.5	U
3-Perfluoropropyl Propanoic Acid (3:3FTCA)		356-02-5	NE	--		7.58	U	7.44	U	7.58	U	3.5	U	3.1	U	3.4	U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		919005-14-4	NE	--		6.06	U	5.95	U	6.07	U	1.8	U	1.6	U	1.7	U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)		756426-58-1	NE	--		6.06	U	5.95	U	6.07	U	1.8	U	1.6	U	1.7	U
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)		4151-50-2	NE	--		1.52	U	1.49	U	1.52	U	1.8	U	1.6	U	1.7	U
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)		1691-99-2	NE	--		15.2	U	14.9	U	15.2	U	8.8	U	7.8	U	8.5	U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		2991-50-6	NE	2.11	U	1.52	U	1.49	U	1.52	U	1.8	U	1.6	U	1.7	U
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)		31506-32-8	NE	--		1.52	U	1.49	U	1.52	U	1.8	U	1.6	U	1.7	U
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)		24448-09-7	NE	--		15.2	U	14.9	U	15.2	U	8.8	U	7.8	U	8.5	U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		2355-31-9	NE	2.11	U	1.52	U	1.49	U	1.52	U	1.8	U	1.6	U	1.7	U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		151772-58-6	NE	--		3.03	U	2.98	U	3.03	U	1.8	U	1.6	U	1.7	U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)		113507-82-7	NE	--		3.03	U	2.98	U	3.03	U	1.8	U	1.6	U	1.7	U
Perfluoro(2-Propoxypropanoic) Acid		13252-13-6	NE	--		6.06	U	5.95	U	6.07	U	1.8	U	1.6	U	1.7	U
Perfluoro-3-methoxypropanoic acid (PFMPA)		377-73-1	NE	--		3.03	U	2.98	U	6.07	U	1.8	U	1.6	U	1.7	U
Perfluoro-4-methoxybutanoic acid (PFMBA)		863090-89-5	NE	--		3.03	U	2.98	U	3.03	U	1.8	U	1.6	U	1.7	U
Perfluorobutanesulfonic acid (PFBS)		375-73-5	NE	4.84		5.82		3.36		2.8		0.85	J	3.5		3.7	
Perfluorobutanoic acid (PFBA)		375-22-4	NE	18.1		12		9.82		10.7	J	9.1		3.1	U	11	
Perfluorodecanesulfonic acid (PFDS)		335-77-3	NE	2.11	U	1.52	U	1.49	U	1.52	U	1.8	U	1.6	U	1.7	U
Perfluorodecanoic acid (PFDA)		335-76-2	NE	0.468	J	0.833	J	0.439	J	0.531	J	1.8	U	1.6	U	1.7	U
Perfluorododecanesulfonic Acid (PFDoS)		79780-39-5	NE	--		1.52	U	1.49	U	1.52	U	1.8	U	1.6	U	1.7	U
Perfluorododecanoic acid (PFDoA)		307-55-1	NE	2.11	U	1.52	U	1.49	U	1.52	U	1.8	U	1.6	U	1.7	U
Perfluoroheptanesulfonic acid (PFHpS)		375-92-8	NE	1.3	J	1.28	J	1.49		0.872	J	1.8	U	0.74	J	0.78	J
Perfluoroheptanoic acid (PFHpA)		375-85-9	NE	13.3		7.98		7.88		8.73		2.6		6.3		6.6	
Perfluorohexanoic acid (PFHxA)		307-24-4	NE	25.2		12.8		13.1		12.2		5		7.9		8.1	
Perfluorononanesulfonic Acid (PfnS)		68259-12-1	NE	--		1.52	U	1.49	U	1.52	U	1.8	U	1.6	U	1.7	U
Perfluorooctanesulfonamide (FOSA)		754-91-6	NE	2.11	U	0.788	JF	0.566	J	0.508	J	0.48	J	1.6	U	1.7	U
Perfluoropentanesulfonic Acid (Pfpes)		2706-91-4	NE	--		1.1	J	0.618	J	0.516	J	1.8	U	1.6	U	1.7	U
Perfluoropentanoic Acid (PFPeA)		2706-90-3	NE	37.4		22.2		22.5		17.8		8.1		11		10	
Perfluorotetradecanoic acid (PFTA/PFTeDA)		376-06-7	NE	2.11	U	1.52	U	1.49	U	1.52	U	1.8	U	1.6	U	1.7	U
Perfluorotridecanoic acid (PFTriA/PFTriDA)		72629-94-8	NE	2.11	U	1.52	U	1.49	U	1.52	U	1.8	U	1.6	U	0.87	J
Perfluoroundecanoic acid (PFUnA)		2058-94-8	NE	2.11	U	1.52	U	1.49	U	1.52	U	1.8	U	1.6	U	1.7	U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)		39108-34-4	NE	2.11	U	6.06	U	5.95	U	6.07	U	3.5	U	3.1	U	3.4	U
Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)		757124-72-4	NE	--		6.06	U	5.95	U	6.07	U	3.5	U	3.1	U	3.4	U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)		27619-97-2	NE	1.95	J	6.06	U	5.95	U	6.07	U	3.5	U	3.1	U	3.4	U
Perfluorohexanesulfonic acid (PFHxS)		355-46-4	NE	7.38		7.64		6.13		4.48		1.4	J	3.2		3.3	
Perfluorononanoic Acid (PFNA)		375-95-1	NE	4.32		2.17		1.47	J	1.75		1.8	U	1.4	J	1.5	J
Perfluorooctanesulfonic acid (PFOS)		1763-23-1	2.7	32.2		41.4		37.9		36.3		20		26		27	
Perfluorooctanoic Acid (PFOA)		335-67-1	6.7	91.5		46.4		37.4		38.8		14		25		23	
PFOA/PFOS, Total		N/A	NE	124		87.8		75.3		75.1		34		51		50	

Table 4B. Historical Groundwater PFAS Analysis Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

				Sample Name	MW5I	MW5I	MW5I	MW5I	MW5I	MW5I
				Sample Date	11/29/2023	12/10/2024	3/12/2025	6/17/2025	9/24/2025	12/11/2025
				Parent Sample						
Analyte	Units	CAS No.	NYS AWQS							
PFAS	ng/L									
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)		763051-92-9	NE	--	6.54	U	6.27	U	5.98	U
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)		914637-49-3	NE	--	40.8	U	39.2	U	37.4	U
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)		812-70-4	NE	--	40.8	U	39.2	U	37.4	U
3-Perfluoropropyl Propanoic Acid (3:3FTCA)		356-02-5	NE	--	8.17	U	7.83	U	7.47	U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		919005-14-4	NE	--	6.54	U	6.27	U	5.98	U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)		756426-58-1	NE	--	6.54	U	6.27	U	5.98	U
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)		4151-50-2	NE	--	1.63	U	1.57	U	1.49	U
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)		1691-99-2	NE	--	16.3	U	15.7	U	14.9	U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		2991-50-6	NE	1.89	U	1.63	U	1.57	U	1.49
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)		31506-32-8	NE	--	1.63	U	1.57	U	1.49	U
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)		24448-09-7	NE	--	16.3	U	15.7	U	14.9	U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		2355-31-9	NE	1.89	U	1.63	U	1.57	U	1.49
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		151772-58-6	NE	--	3.27	U	3.13	U	2.99	U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESEA)		113507-82-7	NE	--	3.27	U	3.13	U	2.99	U
Perfluoro(2-Propoxypropanoic) Acid		13252-13-6	NE	--	6.54	U	6.27	U	5.98	U
Perfluoro-3-methoxypropanoic acid (PFMPA)		377-73-1	NE	--	3.27	U	3.13	U	2.99	U
Perfluoro-4-methoxybutanoic acid (PFMBa)		863090-89-5	NE	--	3.27	U	3.13	U	2.99	U
Perfluorobutanesulfonic acid (PFBS)		375-73-5	NE	1.89	U	1.63	U	1.57	U	1.49
Perfluorobutanoic acid (PFBA)		375-22-4	NE	1.46	J	2.01	J	2.19	J	2.03
Perfluorodecanesulfonic acid (PFDS)		335-77-3	NE	1.89	U	1.63	U	1.57	U	1.49
Perfluorodecanoic acid (PFDA)		335-76-2	NE	1.89	U	1.63	U	1.57	U	1.49
Perfluorododecanesulfonic Acid (PFDoS)		79780-39-5	NE	--	1.63	U	1.57	U	1.49	U
Perfluorododecanoic acid (PFDoA)		307-55-1	NE	1.89	U	1.63	U	1.57	U	1.49
Perfluoroheptanesulfonic acid (PFHpS)		375-92-8	NE	1.89	U	1.63	U	1.57	U	1.49
Perfluoroheptanoic acid (PFHpA)		375-85-9	NE	1.89	U	0.31	J	1.57	U	0.471
Perfluorohexanoic acid (PFHxA)		307-24-4	NE	0.43	J	0.899	J	0.407	J	1.41
Perfluorononanesulfonic Acid (PfnS)		68259-12-1	NE	--	1.63	U	1.57	U	1.49	U
Perfluorooctanesulfonamide (FOSA)		754-91-6	NE	1.89	U	1.63	U	1.57	U	1.49
Perfluoropentanesulfonic Acid (Pfpes)		2706-91-4	NE	--	1.63	U	1.57	U	1.49	U
Perfluoropentanoic Acid (PFPeA)		2706-90-3	NE	0.472	J	0.596	J	0.47	J	1.33
Perfluorotetradecanoic acid (PFTA/PFTeDA)		376-06-7	NE	1.89	U	1.63	U	1.57	U	1.49
Perfluorotridecanoic acid (PFTriA/PFTrDA)		72629-94-8	NE	1.89	U	1.63	U	1.57	U	1.49
Perfluoroundecanoic acid (PFUnA)		2058-94-8	NE	1.89	U	1.63	U	1.57	U	1.49
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)		39108-34-4	NE	1.89	U	6.54	U	6.27	U	5.98
Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)		757124-72-4	NE	--	6.54	U	6.27	U	5.98	U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)		27619-97-2	NE	42.7	J	101		39.2		25.8
Perfluorohexanesulfonic acid (PFHxS)		355-46-4	NE	0.483	J	0.784	J	0.462	J	0.508
Perfluorononanoic Acid (PFNA)		375-95-1	NE	1.89	U	1.63	U	1.57	U	1.49
Perfluorooctanesulfonic acid (PFOS)		1763-23-1	2.7	1.89	U	0.531	J	0.509	J	0.448
Perfluorooctanoic Acid (PFOA)		335-67-1	6.7	0.257	J	0.343	J	1.57	U	0.247
PFOA/PFOS, Total		N/A	NE	0.257	J	0.874	J	0.509	J	0.695

Table 4B. Historical Groundwater PFAS Analysis Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

				Sample Name	MW6	MW7	MW8	MW11	MW12S				
				Sample Date	11/28/2023	11/28/2023	11/29/2023	11/29/2023	11/30/2023				
				Parent Sample									
Analyte	Units	CAS No.	NYS AWQS										
PFAS	ng/L												
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)		763051-92-9	NE	--	--	--	--	--	--				
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)		914637-49-3	NE	--	--	--	--	--	--				
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)		812-70-4	NE	--	--	--	--	--	--				
3-Perfluoropropyl Propanoic Acid (3:3FTCA)		356-02-5	NE	--	--	--	--	--	--				
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		919005-14-4	NE	--	--	--	--	--	--				
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)		756426-58-1	NE	--	--	--	--	--	--				
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)		4151-50-2	NE	--	--	--	--	--	--				
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)		1691-99-2	NE	--	--	--	--	--	--				
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		2991-50-6	NE	1.93	U	1.84	U	1.89	U	1.86	U	1.87	U
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)		31506-32-8	NE	--	--	--	--	--	--	--	--	--	--
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)		24448-09-7	NE	--	--	--	--	--	--	--	--	--	--
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		2355-31-9	NE	1.93	U	1.84	U	1.89	U	1.86	U	1.87	U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		151772-58-6	NE	--	--	--	--	--	--	--	--	--	--
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		113507-82-7	NE	--	--	--	--	--	--	--	--	--	--
Perfluoro(2-Propoxypropanoic) Acid		13252-13-6	NE	--	--	--	--	--	--	--	--	--	--
Perfluoro-3-methoxypropanoic acid (PFMPA)		377-73-1	NE	--	--	--	--	--	--	--	--	--	--
Perfluoro-4-methoxybutanoic acid (PFMBA)		863090-89-5	NE	--	--	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)		375-73-5	NE	1.93	U	1.84	U	2.91		1.16	J	2.48	
Perfluorobutanoic acid (PFBA)		375-22-4	NE	1.31	J	2.16		10.8		3.06		5.65	
Perfluorodecanesulfonic acid (PFDS)		335-77-3	NE	1.93	U	1.84	U	1.89	U	1.86	U	1.87	U
Perfluorodecanoic acid (PFDA)		335-76-2	NE	1.93	U	1.84	U	1.89	U	1.86	U	1.87	U
Perfluorododecanesulfonic Acid (PFDoS)		79780-39-5	NE	--	--	--	--	--	--	--	--	--	--
Perfluorododecanoic acid (PFDoA)		307-55-1	NE	1.93	U	1.84	U	1.89	U	1.86	U	1.87	U
Perfluoroheptanesulfonic acid (PFHpS)		375-92-8	NE	1.93	U	1.84	U	1.89	U	1.86	U	1.87	U
Perfluoroheptanoic acid (PFHpA)		375-85-9	NE	1.93	U	1.84	U	8.44		1.86	J	3.02	
Perfluorohexanoic acid (PFHxA)		307-24-4	NE	1.93	U	1	J	12.7		2.69		5.11	
Perfluorononanesulfonic Acid (PfnS)		68259-12-1	NE	--	--	--	--	--	--	--	--	--	--
Perfluorooctanesulfonamide (FOSA)		754-91-6	NE	1.93	U	1.84	U	1.89	U	1.86	U	1.87	U
Perfluoropentanesulfonic Acid (Pfpes)		2706-91-4	NE	--	--	--	--	--	--	--	--	--	--
Perfluoropentanoic Acid (PFPeA)		2706-90-3	NE	0.717	J	1.73	J	21		3.47		6.97	
Perfluorotetradecanoic acid (PFTA/PFTeDA)		376-06-7	NE	1.93	U	1.84	U	1.89	U	1.86	U	1.87	U
Perfluorotridecanoic acid (PFTriA/PFTrDA)		72629-94-8	NE	1.93	U	1.84	U	1.89	U	1.86	U	1.87	U
Perfluoroundecanoic acid (PFUnA)		2058-94-8	NE	1.93	U	1.84	U	1.89	U	1.86	U	1.87	U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)		39108-34-4	NE	1.93	U	1.84	U	1.89	U	1.86	U	1.87	U
Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)		757124-72-4	NE	--	--	--	--	--	--	--	--	--	--
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)		27619-97-2	NE	1.93	U	1.84	U	1.89	U	1.86	U	1.87	U
Perfluorohexanesulfonic acid (PFHxS)		355-46-4	NE	1.93	U	1.84	U	1.89	U	0.63	J	0.998	J
Perfluorononanoic Acid (PFNA)		375-95-1	NE	1.93	U	1.84	U	0.662	J	1.24	J	1.2	J
Perfluorooctanesulfonic acid (PFOS)		1763-23-1	2.7	1.93	U	1.84	U	1.89	U	9.53		10.3	
Perfluorooctanoic Acid (PFOA)		335-67-1	6.7	1.93	U	1.84	U	8.09		3.95		5.35	J
PFOA/PFOS, Total		N/A	NE	1.93	U	1.84	U	8.09		13.5		15.7	

Table 4C. Historical Groundwater MNA Parameters Results
UniFirst Corporation
Liverpool, NY
BCP Site No. 734152

			MW1 11/22/2021	MW1 2/28/2022	MW1_G 2/7/2023	MW1R 7/6/2023	MW1R 11/30/2023	MW1R 12/11/2024	MW1R 3/12/2025	MW1R 9/24/2025	MW1R 12/10/2025					
Analyte	Units	CAS No.														
Dissolved Gases	ug/L															
Ethane		74-84-0	--	--	4.38	3.69	0.89	5	J	3.9	J	5.2	J	170	U	
Ethene		74-85-1	--	--	0.5	U	3.82	4.05	17	U	17	U	7	U	150	U
Methane		74-82-8	--	--	76.5		182	203	970		400		1,800		2,400	
General Chemistry																
DO	mg/L	(field parameter)	0.54	0.08	0.98	--	0.81	0.2		0.00		2.51		--		
Oxidation Reduction Potential	millivolts	(field parameter)	28	101	-65	--	-103.9	-121		-131		-68		--		
pH	s.u.	(field parameter)	7.6	7.49	7.2	--	7.43	7.52		7.3		7.86		--		
Sulfate	ug/L	14808-79-8	--	--	129,000	140,000	99,000	32,400		--		30,600		--		
Metals	ug/L															
Iron, Dissolved		7439-89-6	--	--	21.1	J	294	J	418	182	3,490	210	240			
Iron, Total		7439-89-6	--	96.5	70,900	44,600	465	1,290		4,000		610	3,300			
Manganese		7439-96-5	--	146.2	--	--	609.9	--		--		--	--			
Volatile Fatty Acids	ug/L															
Butyric Acid		107-92-6	--	--	4,000	U	500	U	500	U	100,000	U	200,000	U	--	--
Lactic Acid		50-21-5	--	--	3,900	J	3,100	3,000		--		--		--		--
Pyruvic Acid		127-17-3	--	--	4,000	U	500	U	500	U	--		--		--	--
Acetic Acid		64-19-7	--	--	6,700	J	500	U	500	U	100,000	U	200,000	U	--	--
Formic acid		64-18-6	--	--	96,000		500	U	500	U	--		--		--	--
Pentanoic acid		109-52-4	--	--	4,000	U	500	U	500	U	--		--		--	--
Propionic Acid		79-09-4	--	--	4,000	U	500	U	500	U	100,000	U	200,000	U	--	--
Hexanoic acid		142-62-1	--	--	1,700	J	500	U	500	U	--		300,000	U	--	--
Quant-Array Chlor	cells/mL															
DHC Population		N/A	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4C. Historical Groundwater MNA Parameters Results
UniFirst Corporation
Liverpool, NY
BCP Site No. 734152

			MW2 2/28/2022	MW2_G 2/7/2023	MW2R 7/6/2023	MW2R 12/1/2023	MW2R 12/11/2024	MW2R 3/12/2025	MW2R 6/17/2025	MW2R 9/24/2025	MW2R 12/10/2025
Analyte	Units	CAS No.									
Dissolved Gases	ug/L										
Ethane		74-84-0	--	1.17	0.555	0.5	U 14	U 14	U 5.2	7.5	U 83
Ethene		74-85-1	--	0.5	U 0.67	0.5	U 17	U 17	U 6.5	7	U 77
Methane		74-82-8	--	30.2	72.3	51.6	230	560	790	890	320
General Chemistry											
DO	mg/L	(field parameter)	1.08	1.29	--	1.01	0.00	0.39	3.49	0.00	0
Oxidation Reduction Potential	millivolts	(field parameter)	-81	-77	--	-51.3	45	118	-134	-85	-31
pH	s.u.	(field parameter)	10.91	7.25	--	7.19	7.23	7.18	7.37	8.41	6.59
Sulfate	ug/L	14808-79-8	--	42,300	28,000	20,000	14,500	--	16,600	27,100	15,300
Metals	ug/L										
Iron, Dissolved		7439-89-6	--	50	U 842	J 106	186	51.5	2,270	1,200	170
Iron, Total		7439-89-6	1,090	130,000	1,090	50	U 468	255	4,000	1000	520
Manganese		7439-96-5	27.82	--	--	969.1	--	--	--	--	--
Volatile Fatty Acids	ug/L										
Butyric Acid		107-92-6	--	2,000	U 500	U 5,000	U 100,000	U 200,000	U --	--	--
Lactic Acid		50-21-5	--	4,900	J 720	5,000	U --	--	--	--	--
Pyruvic Acid		127-17-3	--	2,000	U 500	U 5,000	U --	--	--	--	--
Acetic Acid		64-19-7	--	8,300	500	U 5,000	U 100,000	U 200,000	U --	--	--
Formic acid		64-18-6	--	52,000	500	U 5,000	U --	--	--	--	--
Pentanoic acid		109-52-4	--	2,000	U 500	U 5,000	U --	--	--	--	--
Propionic Acid		79-09-4	--	850	J 500	U 5,000	U 100,000	U 200,000	U --	--	--
Hexanoic acid		142-62-1	--	2,300	J 500	U 5,000	U --	300,000	U --	--	--
Quant-Array Chlor	cells/mL										
DHC Population		N/A	--	--	--	--	--	--	--	--	--

Table 4C. Historical Groundwater MNA Parameters Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

			MW3S_G 2/7/2023	MW3S 7/6/2023	MW3S 12/1/2023	MW3S 12/10/2024	MW3S 3/12/2025	MW3S 6/17/2025	MW3S 9/24/2025	MW3S 12/11/2025
Analyte	Units	CAS No.								
Dissolved Gases	ug/L									
Ethane		74-84-0	188	1,050	944	1,500	1,200	560	1,100	820
Ethene		74-85-1	497	3,110	4,250	18,000	15,000	14,000	29,000	26,000
Methane		74-82-8	1,820	4,630	4,510	6,900	6,300	3,500	6,800	6,900
General Chemistry										
DO	mg/L	(field parameter)	--	0.46	0.51	0.00	0.00	0.35	0.05	0
Oxidation Reduction Potential	millivolts	(field parameter)	--	-74	-69.7	-39	-91	-129	-104	-61
pH	s.u.	(field parameter)	--	6.37	6.45	6.48	6.5	6.55	6.54	5.87
Sulfate	ug/L	14808-79-8	109,000	46,000	2,000 J	1,010	--	1,160	25,000	20,000 U
Metals	ug/L									
Iron, Dissolved		7439-89-6	2,690	39,200 J	106,000	78,200	83,100	120,000	88,000	81,400 B
Iron, Total		7439-89-6	104,000	44,400	98,500	72,000	84,100	91,800	91,600	85,100
Manganese		7439-96-5	--	--	3,190	--	--	--	--	--
Volatile Fatty Acids	ug/L									
Butyric Acid		107-92-6	36,000 J	50,000 U	50,000 U	100,000 U	200,000 U	--	--	--
Lactic Acid		50-21-5	6,700 J	50,000 U	50,000 U	--	--	--	--	--
Pyruvic Acid		127-17-3	20,000 U	50,000 U	50,000 U	--	--	--	--	--
Acetic Acid		64-19-7	350,000	257,000	432,000	456,000	439,000	--	--	--
Formic acid		64-18-6	100,000	50,000 U	50,000 U	--	--	--	--	--
Pentanoic acid		109-52-4	7,600 J	50,000 U	50,000 U	--	--	--	--	--
Propionic Acid		79-09-4	730,000	641,000	540,000	315,000	319,000	--	--	--
Hexanoic acid		142-62-1	20,000 U	50,000 U	50,000 U	--	300,000 U	--	--	--
Quant-Array Chlor	cells/mL									
DHC Population		N/A	--	--	--	3,500,000	3,000,000	1,200,000	3,100,000	990,000

Table 4C. Historical Groundwater MNA Parameters Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

			MW3I_G 2/8/2023	MW3I 7/6/2023	MW3I 11/30/2023	MW3I 12/10/2024	MW3I 3/12/2025	MW3I 6/17/2025	MW3I 9/24/2025	MW3I 12/11/2025
Analyte	Units	CAS No.								
Dissolved Gases	ug/L									
Ethane		74-84-0	15.4	4.67	1.31	1.9	J 3.3	J 5.2	7.5	U 93
Ethene		74-85-1	44.1	9.45	1.11	10	J 17	U 6	7	U 6.5
Methane		74-82-8	128	748	277	310	71	31	140	1,300
General Chemistry										
DO	mg/L	(field parameter)	--	0.48	0.27	0.00	0.00	0.29	0.00	0
Oxidation Reduction Potential	millivolts	(field parameter)	--	-116	-134	-70	-45	-93	-108	-68
pH	s.u.	(field parameter)	--	7.11	7.15	7.2	7.18	7.24	7.17	6.58
Sulfate	ug/L	14808-79-8	73,600	120,000	78,000	79,000	--	57,800	79,900	73,500
Metals	ug/L									
Iron, Dissolved		7439-89-6	21.5	J 1,910	J 1,170	1,370	496	554	1,000	540
Iron, Total		7439-89-6	195,000	2,500	1,230	1,370	607	709	1,100	1,300
Manganese		7439-96-5	--	--	47.42	--	--	--	--	--
Volatile Fatty Acids	ug/L									
Butyric Acid		107-92-6	6,600	500	U 5,000	U 100,000	U 200,000	--	--	--
Lactic Acid		50-21-5	3,900	J 670	5,000	U --	--	--	--	--
Pyruvic Acid		127-17-3	750	J 500	U 5,000	U --	--	--	--	--
Acetic Acid		64-19-7	31,000	2,300	5,000	U 100,000	U 200,000	U --	--	--
Formic acid		64-18-6	55,000	500	U 5,000	U --	--	--	--	--
Pentanoic acid		109-52-4	2,000	U 500	U 5,000	U --	--	--	--	--
Propionic Acid		79-09-4	84,000	500	U 5,000	U 100,000	U 200,000	U --	--	--
Hexanoic acid		142-62-1	1,100	J 500	U 5,000	U --	300,000	U --	--	--
Quant-Array Chlor	cells/mL									
DHC Population		N/A	--	--	--	100	1,100	140	480	1,600

Table 4C. Historical Groundwater MNA Parameters Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

			MW4S_G 2/8/2023	DUP01_020823 2/8/2023 MW4S_G	MW4S 7/6/2023	MW4S 12/1/2023	MW4S 12/10/2024	MW4S 3/12/2025	MW4S 6/17/2025	MW4S 9/24/2025	MW4S 12/11/2025
Analyte	Units	CAS No.									
Dissolved Gases	ug/L										
Ethane		74-84-0	520	--	578	638	330	42	60	390	330 U
Ethene		74-85-1	1,720	--	60.4	65.3	22	17 U	2.1	13	310 U
Methane		74-82-8	3,910	--	5,610	6,100	3,900	390	790	4,600	1,400
General Chemistry											
DO	mg/L	(field parameter)	--	--	0.24	0.88	0.00	3.28	0.00	0.15	1.12
Oxidation Reduction Potential	millivolts	(field parameter)	--	--	115	9.8	41	24	85	80	77
pH	s.u.	(field parameter)	--	--	6.12	6.83	6.91	7.29	7.24	6.82	7.32
Sulfate	ug/L	14808-79-8	313,000	--	190,000	150,000	148,000	--	143,000	131,000	146,000
Metals	ug/L										
Iron, Dissolved		7439-89-6	2,440 J	25 J	604 J	382	270	543	1,270	81	110
Iron, Total		7439-89-6	53,200 J	151,000 J	57,100	9,000	1,900	2,360	1,340	1,500	660
Manganese		7439-96-5	--	--	--	1,203	--	--	--	--	--
Volatile Fatty Acids	ug/L										
Butyric Acid		107-92-6	57,000	--	500 U	5,000 U	100,000 U	200,000 U	--	--	--
Lactic Acid		50-21-5	10,000 U	--	710	5,000 U	--	--	--	--	--
Pyruvic Acid		127-17-3	3,300 J	--	500 U	5,000 U	--	--	--	--	--
Acetic Acid		64-19-7	140,000	--	500 U	5,000 U	100,000 U	200,000 U	--	--	--
Formic acid		64-18-6	53,000	--	500 U	5,000 U	--	--	--	--	--
Pentanoic acid		109-52-4	14,000 J	--	500 U	5,000 U	--	--	--	--	--
Propionic Acid		79-09-4	380,000	--	500 U	5,000 U	100,000 U	200,000 U	--	--	--
Hexanoic acid		142-62-1	3,800 J	--	500 U	5,000 U	--	300,000 U	--	--	--
Quant-Array Chlor	cells/mL										
DHC Population		N/A	--	--	--	--	45	54	<0.5	100	8.80

Table 4C. Historical Groundwater MNA Parameters Results
UniFirst Corporation
Liverpool, NY
BCP Site No. 734152

			MW4I_G 2/8/2023	MW4I 7/6/2023	MW4I 12/1/2023	DUP-12.1.23 12/1/2023 MW4I	MW4I 12/10/2024	MW4I 3/12/2025	MW4I 6/17/2025	MW4I 9/24/2025	MW4I 12/11/2025
Analyte	Units	CAS No.									
Dissolved Gases	ug/L										
Ethane		74-84-0	16.4	44.8	32.1	--	24	16	17	15	83
Ethene		74-85-1	59.4	104	82.5	--	70	62	62	54	54
Methane		74-82-8	162	1,770	2,050	--	2,000	1,300	1,200	1,400	1,800
General Chemistry											
DO	mg/L	(field parameter)	--	0.49	0.28	--	0.00	0.33	0.00	0.00	0.00
Oxidation Reduction Potential	millivolts	(field parameter)	--	-90	-110.9	--	-62	-48	107	-72	-81
pH	s.u.	(field parameter)	--	6.78	7.01	--	7.15	6.86	7.38	8.08	7.35
Sulfate	ug/L	14808-79-8	99,600	140,000	150,000	--	158,000	--	161,000	128,000	134,000
Metals	ug/L										
Iron, Dissolved		7439-89-6	3,690	1,230	J 1,520	--	1,670	949	23.9	J 1,300	1,400
Iron, Total		7439-89-6	547,000	1,500	1,590	1,600	J 1,560	1,020	1,570	1,200	1,400
Manganese		7439-96-5	--	--	182.6	176.4	--	--	--	--	--
Volatile Fatty Acids	ug/L										
Butyric Acid		107-92-6	11,000	500	U 5,000	--	100,000	U 200,000	U --	--	--
Lactic Acid		50-21-5	2,800	J 710	5,000	U --	--	--	--	--	--
Pyruvic Acid		127-17-3	93,000	J 500	U 5,000	U --	--	--	--	--	--
Acetic Acid		64-19-7	36,000	940	5,000	U --	100,000	U 200,000	U --	--	--
Formic acid		64-18-6	57,000	500	U 5,000	U --	--	--	--	--	--
Pentanoic acid		109-52-4	3,100	J 500	U 5,000	U --	--	--	--	--	--
Propionic Acid		79-09-4	93,000	1,300	5,000	U --	100,000	U 200,000	U --	--	--
Hexanoic acid		142-62-1	1,200	J 500	U 5,000	U --	--	300,000	U --	--	--
Quant-Array Chlor	cells/mL										
DHC Population		N/A	--	--	--	--	3,000	1,400	750	2,800	20,000

Table 4. Groundwater Analysis Results
UniFirst Corporation
Liverpool, NY
BCP Site No. 734152

Notes:
Data for these sampling events have not been validated. Qualifiers are Lab Qualifiers.
Analytes in blue are not detected in any sample

ng/L = nanogram per liter (ppt)
s.u. = standard units
ug/L = micrograms per liter or parts per billion (ppb)

PFAS = Per- and polyfluoroalkyl substances
VOC = Volatile Organic Compound

Total VOCs are calculated using detects only

NYS AWQS = New York State Ambient Water Quality Standards and Guidance Values for GA groundwater
* indicates the value is a guidance value and not a standard

CAS No. = Chemical Abstracts Service Number
ND = Not Detected
NE = Not Established

Bolding indicates a detected result concentration
Shading and bolding indicates that the detected concentration is above the NYSDOH guidance to which it was compared

Laboratory Qualifiers:
F = MS and/or MSD recovery exceeds the control limits
J = The result is an estimated value
U = The result was not detected above the reporting limit

Figures

Figure 1 Site Location Map

Figure 2 Site Plan

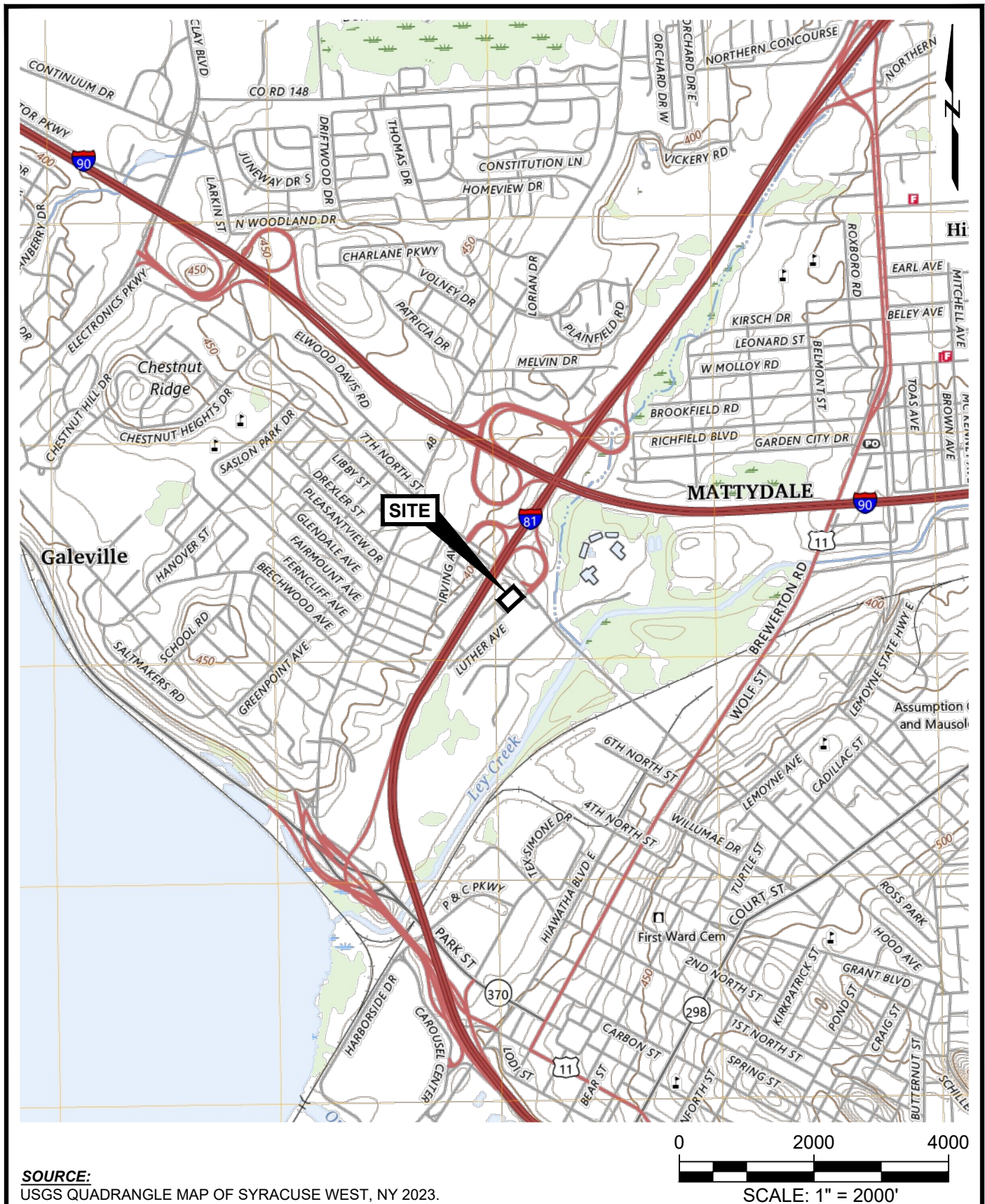
Figure 3 Groundwater Elevation Summary 12/9/2025

Figure 4a Summarized Groundwater Analytical Results – CVOCs

Figure 4b Summarized Groundwater Analytical Results – PFAS

Figure 5a CVOC Isoconcentration Map

Figure 5b PFOA and PFOS Isoconcentration Map



Quarterly Groundwater Monitoring Report - Q4 2025
113 7th North Street
Liverpool, New York

Unifirst Liverpool
Liverpool, New York

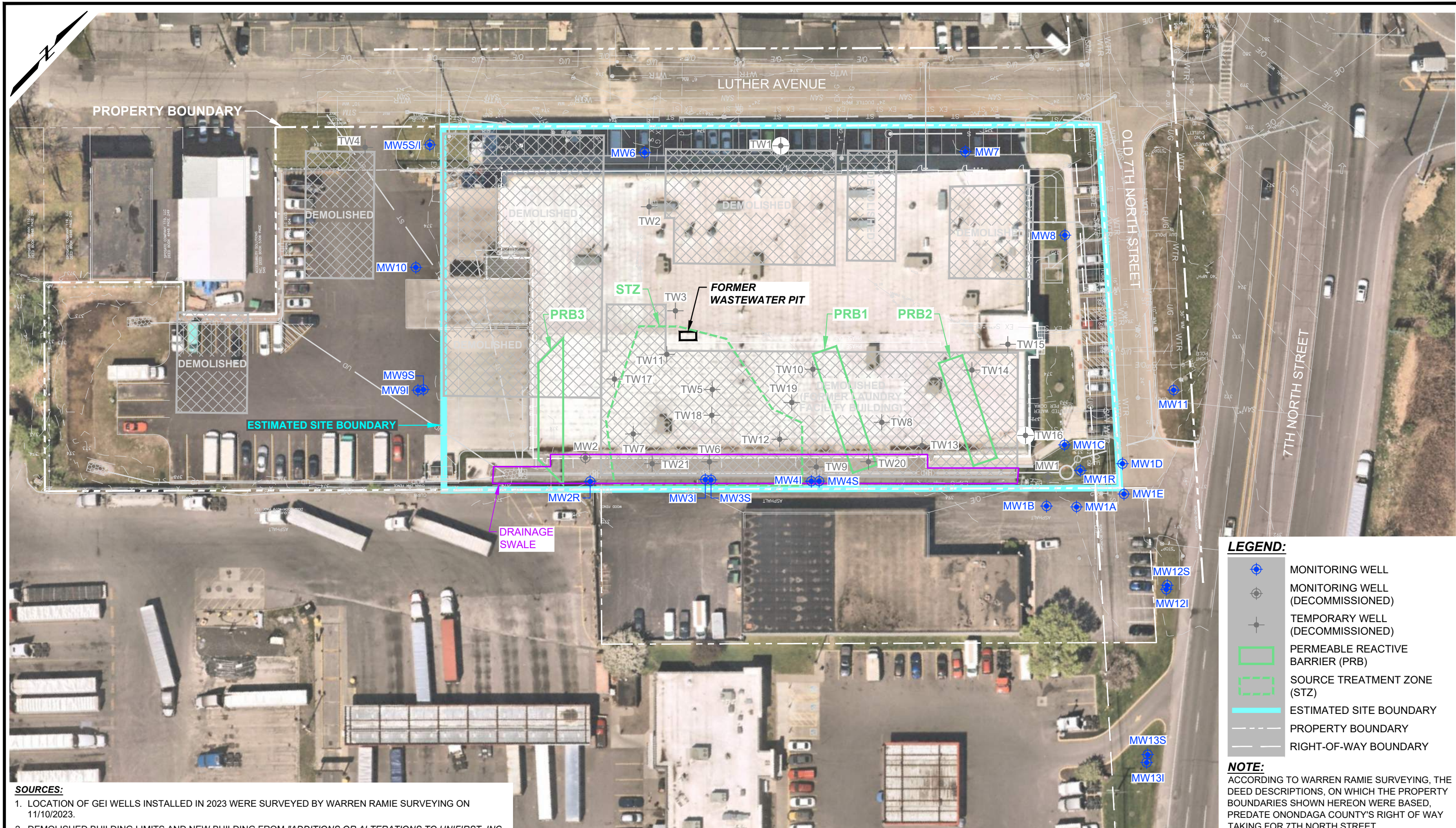


Project 2001642

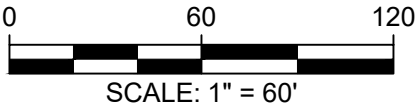
SITE LOCATION MAP

April 2026

Fig. 1



- SOURCES:**
1. LOCATION OF GEI WELLS INSTALLED IN 2023 WERE SURVEYED BY WARREN RAMIE SURVEYING ON 11/10/2023.
 2. DEMOLISHED BUILDING LIMITS AND NEW BUILDING FROM "ADDITIONS OR ALTERATIONS TO UNIFIRST, INC. NEW FACILITY, OLD 7th NORTH STREET LIVERPOOL, NEW YORK, SITE PHASING PLAN," SHEETS L-2 REV. 12 DATED 07.05.22. AND L2.1 REV 4 DATED 11.05.19 . PREPARED BY KEPLINGER FREEMAN ASSOCIATES.
 3. SURVEY OF PROPERTIES SOUTH OF SITE BY WARREN RAMIE, PROVIDED IN A FILE NAMED "WRS 7th North Street Boundary 08.15.23.dwg".
 4. WELLS MW-1A, MW-1B, MW-1C, MW-1D & MW-1E FROM FIGURE 2: AREA WIDE DIAGRAM, PREPARED BY SOVEREIGN CONSULTING, INC., DATED 4/24/2024.
 5. NEARMAP AERIAL ©2024 NEARMAP, IMAGERY DATED 05/07/2024, ACCESSED ON 08/15/2024.



LEGEND:

- MONITORING WELL
- MONITORING WELL (DECOMMISSIONED)
- TEMPORARY WELL (DECOMMISSIONED)
- PERMEABLE REACTIVE BARRIER (PRB)
- SOURCE TREATMENT ZONE (STZ)
- ESTIMATED SITE BOUNDARY
- PROPERTY BOUNDARY
- RIGHT-OF-WAY BOUNDARY

NOTE:
ACCORDING TO WARREN RAMIE SURVEYING, THE DEED DESCRIPTIONS, ON WHICH THE PROPERTY BOUNDARIES SHOWN HEREON WERE BASED, PREDATE ONONDAGA COUNTY'S RIGHT OF WAY TAKING FOR 7TH NORTH STREET.

Quarterly Groundwater Monitoring Report - Q4 2025 113 7th North Street Liverpool, New York			SITE PLAN	
Unifirst Liverpool Liverpool, New York			Project 2001642	April 2026
				Fig. 2



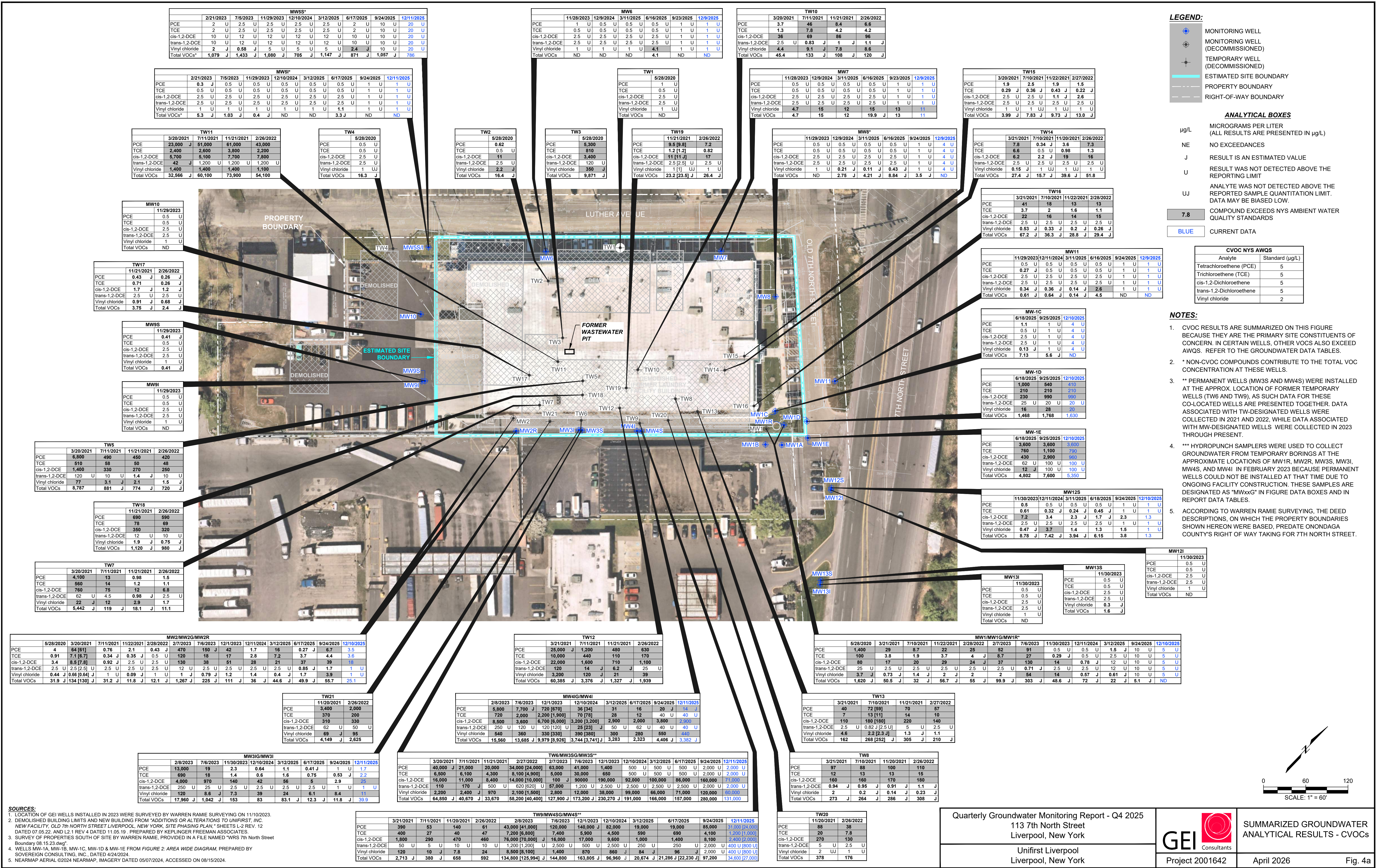
- SOURCES:**
1. LOCATION OF GEI WELLS INSTALLED IN 2023 WERE SURVEYED BY WARREN RAMIE SURVEYING ON 11/10/2023.
 2. DEMOLISHED BUILDING LIMITS AND NEW BUILDING FROM "ADDITIONS OR ALTERATIONS TO UNIFIRST, INC. NEW FACILITY, OLD 7th NORTH STREET LIVERPOOL, NEW YORK, SITE PHASING PLAN," SHEETS L-2 REV. 12 DATED 07.05.22. AND L2.1 REV 4 DATED 11.05.19 . PREPARED BY KEPLINGER FREEMAN ASSOCIATES.
 3. SURVEY OF PROPERTIES SOUTH OF SITE BY WARREN RAMIE, PROVIDED IN A FILE NAMED "WRS 7th North Street Boundary 08.15.23.dwg".
 4. WELLS MW-1A, MW-1B, MW-1C, MW-1D & MW-1E FROM FIGURE 2: AREA WIDE DIAGRAM, PREPARED BY SOVEREIGN CONSULTING, INC., DATED 4/24/2024.
 5. NEARMAP AERIAL ©2024 NEARMAP, IMAGERY DATED 05/07/2024, ACCESSED ON 08/15/2024.

LEGEND:

- 370 — GROUNDWATER CONTOUR (FEET AMSL) - 12/9/2025
- 369.99 GROUNDWATER ELEVATION (FEET AMSL) - 12/9/2025
- ➔ INFERRED GROUNDWATER FLOW DIRECTION
- ⊕ MONITORING WELL
- ESTIMATED SITE BOUNDARY
- - - PROPERTY BOUNDARY
- ___ RIGHT-OF-WAY BOUNDARY

NOTE:
ACCORDING TO WARREN RAMIE SURVEYING, THE DEED DESCRIPTIONS, ON WHICH THE PROPERTY BOUNDARIES SHOWN HEREON WERE BASED, PREDATE ONONDAGA COUNTY'S RIGHT OF WAY TAKING FOR 7TH NORTH STREET.

Quarterly Groundwater Monitoring Report - Q4 2025 113 7th North Street Liverpool, New York			GROUNDWATER ELEVATION SUMMARY 12/9/2025	
Unifirst Liverpool Liverpool, New York			Project 2001642	April 2026



MW5S						
	11/29/2023	12/10/2024	3/12/2025	6/17/2025	9/24/2025	12/11/2025
PFOS	32.2	41.4	37.9	36.3	20	26 [27]
PFOA	91.5	46.4	37.4	38.8	14	25 [23]
Total PFAS	238	J	162	J	142	J 85.0

MW5I						
	11/29/2023	12/10/2024	3/12/2025	6/17/2025	9/24/2025	12/11/2025
PFOS	1.89	U	0.531	J	0.448	J 1.6
PFOA	0.257	J	0.343	J	1.57	U 1.6
Total PFAS	46	J	106	J	43.2	J 13.6

MW10	
	11/29/2023
PFOS	6.43
PFOA	5.56
Total PFAS	38.76

TW7	
	3/20/2021
PFOS	13.9
PFOA	169
Total PFAS	236.51

MW6	
	11/28/2023
PFOS	1.93
PFOA	1.93
Total PFAS	2.03

TW11	
	2/26/2022
PFOS	1,230
PFOA	237
Total PFAS	2,413

TW10			
	3/20/2021	2/26/2022	
PFOS	89 [86.9]	56.6	
PFOA	57.9 [56.6]	31.2	
Total PFAS	526.2 [522.49]	J	211.91

MW7	
	11/28/2023
PFOS	1.84
PFOA	1.84
Total PFAS	4.89

MW8	
	11/29/2023
PFOS	1.89
PFOA	8.09
Total PFAS	64.6

TW15		
	3/20/2021	2/27/2022
PFOS	42.2	11.3
PFOA	20.8	3.8
Total PFAS	154.52	J

MW11	
	11/29/2023
PFOS	9.53
PFOA	3.95
Total PFAS	27.59

TW13	
	2/27/2022
PFOS	106
PFOA	27.6
Total PFAS	328.06

MW1/MW1G/MW1R***		
	2/28/2022	11/30/2023
PFOS	61.8	J
PFOA	30.7	J
Total PFAS	216.59	J

MW12S	
	11/30/2023
PFOS	10.3
PFOA	5.35
Total PFAS	41.08

MW12I	
	11/30/2023
PFOS	1.9
PFOA	1.9
Total PFAS	0.913

MW13S	
	11/30/2023
PFOS	3.41
PFOA	5.86
Total PFAS	56.34

MW13I	
	11/30/2023
PFOS	1.89
PFOA	1.89
Total PFAS	1.02

MW9I	
	11/29/2023
PFOS	1.94
PFOA	1.94
Total PFAS	3.43

MW9S	
	11/29/2023
PFOS	8.14
PFOA	5.54
Total PFAS	35.64

MW2/MW2G/MW2R***			
	2/28/2022	12/1/2023	
PFOS	2.21	J	17.9
PFOA	0.886	J	13
Total PFAS	9.97	J	55.26

MW4S						
	12/1/2023	12/10/2024	3/12/2025	6/17/2025	9/24/2025	12/11/2025
PFOS	12.9	45.4	31.2	75.0	17	28
PFOA	37.5	30.9	26.8	21.2	24	12
Total PFAS	152	159	J	235	J	73.6 [95.9]

MW3IG/MW3I						
	11/30/2023	12/10/2024	3/12/2025	6/17/2025	9/24/2025	12/11/2025
PFOS	1.87	U	1.63	U	3.49	0.626
PFOA	1.87	U	1.63	U	0.288	J
Total PFAS	3.1	J	2.8	J	7.21	J

TW6/MW3SG/MW3S**							
	2/27/2022	12/1/2023	12/10/2024	3/12/2025	6/17/2025	9/24/2025	12/11/2025
PFOS	118 [122]	10.1	19.1	24.4	10.4	6.6	39
PFOA	34.1 [35]	17.2	32.2	30.4	18.3	15	33
Total PFAS	296 [302]	106	J	118	J	141	J

MW4I						
	12/1/2023	12/10/2024	3/12/2025	6/17/2025	9/24/2025	12/11/2025
PFOS	1.84 [1.84]	U	1.59 [1.59]	U	1.58	U
PFOA	1.84 [1.84]	U	1.59 [1.59]	U	1.51	U
Total PFAS	7.5 [9.6]	J	2.4 [2.6]	J	2.68	J

LEGEND:

	MONITORING WELL
	MONITORING WELL (DECOMMISSIONED)
	TEMPORARY WELL (DECOMMISSIONED)
	ESTIMATED SITE BOUNDARY
	PROPERTY BOUNDARY
	RIGHT-OF-WAY BOUNDARY

ANALYTICAL BOXES

ng/L	NANOGRAMS PER LITER
NE	NO EXCEEDANCES
J	RESULT IS AN ESTIMATED VALUE
U	RESULT WAS NOT DETECTED ABOVE THE REPORTING LIMIT
--	NOT ANALYZED

8.14	COMPOUND EXCEEDS NYS AMBIENT WATER QUALITY STANDARDS
------	--

BLUE	CURRENT DATA
------	--------------

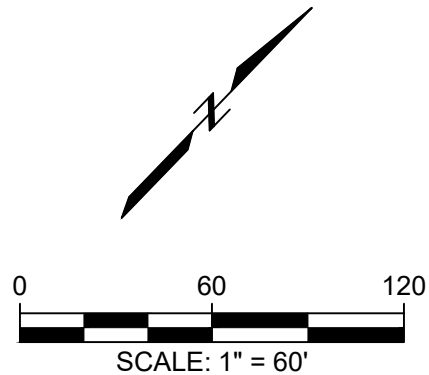
PFAS NYS AWQS	
Analyte	Standard (ng/L)
PFOS	2.7*
PFOA	6.7*

NOTES:

- * INDICATES THE VALUE IS A GUIDANCE VALUE NOT A STANDARD.
- ** PERMANENT WELL (MW3S) WAS INSTALLED AT THE APPROX. LOCATION OF FORMER TEMPORARY WELL (TW6), AS SUCH DATA FOR THIS CO-LOCATED WELL IS PRESENTED TOGETHER. DATA ASSOCIATED WITH TW6 ARE DATED 2021 AND 2022, WHILE DATA ASSOCIATED WITH MW3S ARE DATED 2023 THROUGH PRESENT.
- ACCORDING TO WARREN RAMIE SURVEYING, THE DEED DESCRIPTIONS, ON WHICH THE PROPERTY BOUNDARIES SHOWN HEREON WERE BASED, PREDATE ONONDAGA COUNTY'S RIGHT OF WAY TAKING FOR 7TH NORTH STREET.

SOURCES:

- LOCATION OF GEI WELLS INSTALLED IN 2023 WERE SURVEYED BY WARREN RAMIE SURVEYING ON 11/10/2023.
- DEMOLISHED BUILDING LIMITS AND NEW BUILDING FROM "ADDITIONS OR ALTERATIONS TO UNIFIRST, INC. NEW FACILITY, OLD 7th NORTH STREET LIVERPOOL, NEW YORK, SITE PHASING PLAN," SHEETS L-2 REV. 12 DATED 07.05.22. AND L2.1 REV 4 DATED 11.05.19 . PREPARED BY KEPLINGER FREEMAN ASSOCIATES.
- SURVEY OF PROPERTIES SOUTH OF SITE BY WARREN RAMIE, PROVIDED IN A FILE NAMED "WRS 7th North Street Boundary 08.15.23.dwg".
- NEARMAP AERIAL ©2024 NEARMAP, IMAGERY DATED 05/07/2024, ACCESSED ON 08/15/2024.



Quarterly Groundwater Monitoring Report - Q4 2025
113 7th North Street
Liverpool, New York

Unifirst Liverpool
Liverpool, New York

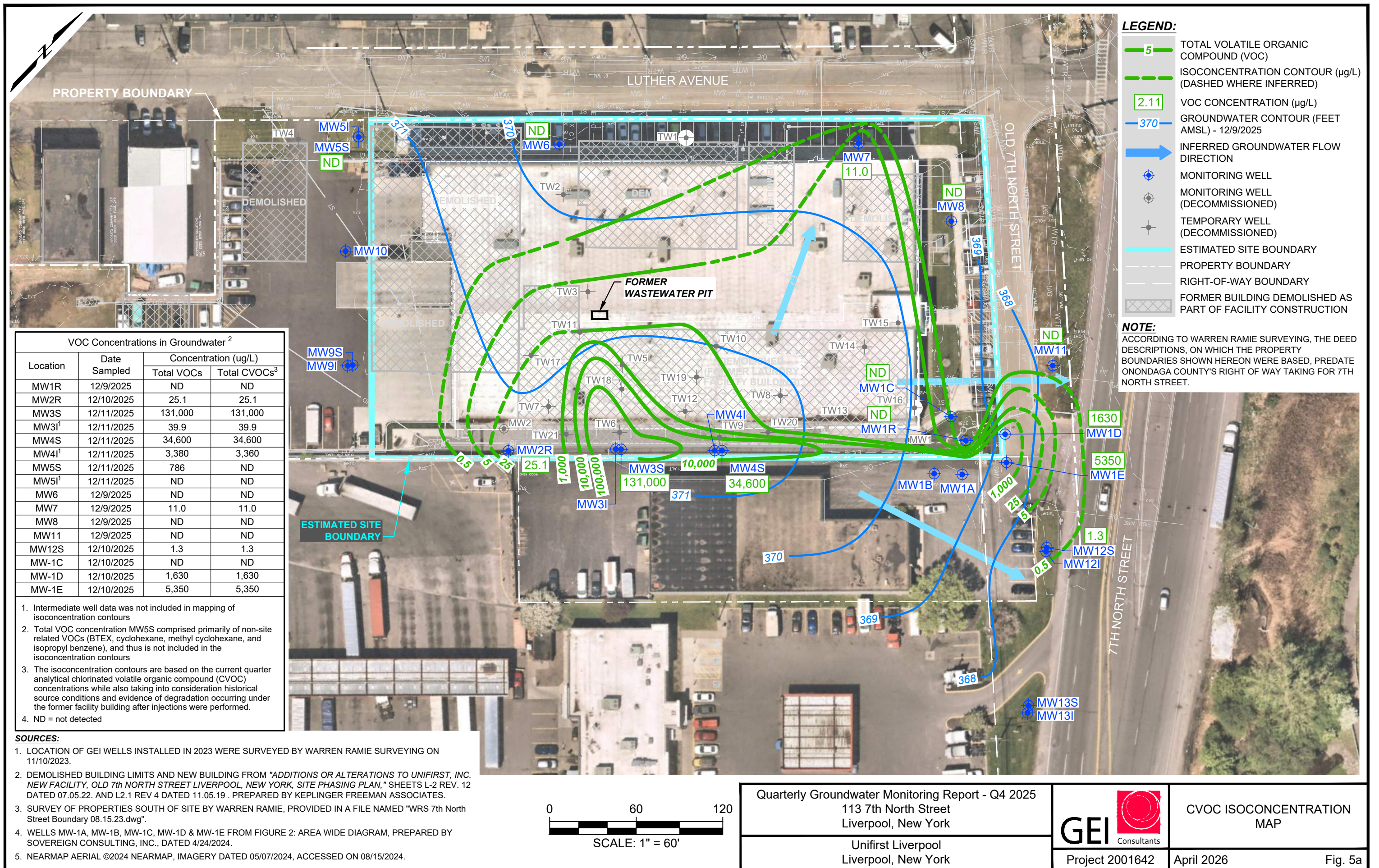


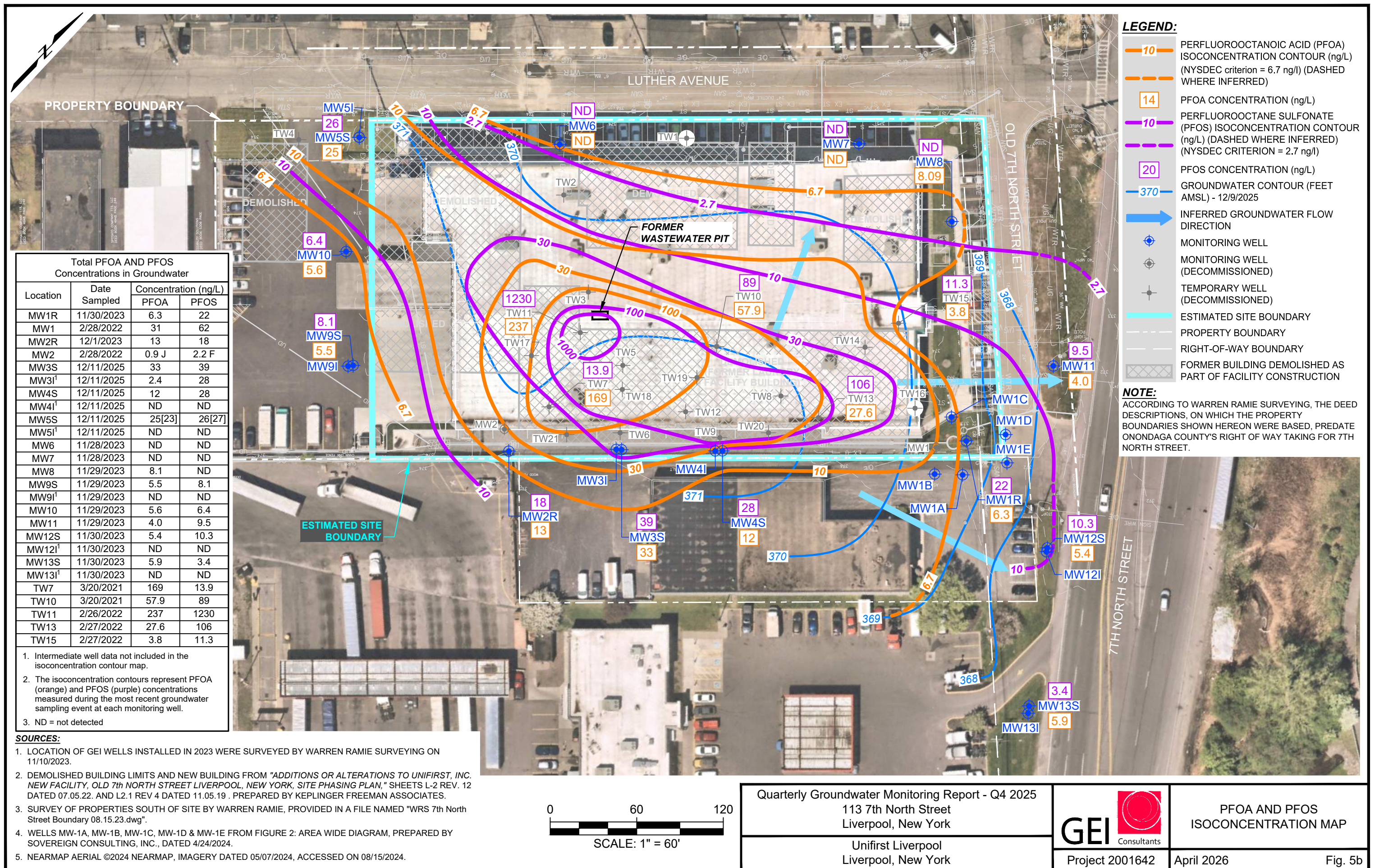
Project 2001642

SUMMARIZED GROUNDWATER
ANALYTICAL RESULTS - PFAS

April 2026

Fig. 4b





Appendix A Laboratory Report

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Abigal Jock
GEI Consultants Inc
950 Danby Road
Suite 201-F
Ithaca, New York 14850
Generated 12/30/2025 12:37:47 PM

JOB DESCRIPTION

Unifirst – Liverpool, NY

JOB NUMBER

480-235192-1

Eurofins Buffalo

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
12/30/2025 12:37:47 PM

Authorized for release by
John Schove, Project Manager II
John.Schove@et.eurofinsus.com
(716)504-9838



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	6
Detection Summary	8
Client Sample Results	12
Surrogate Summary	61
Isotope Dilution Summary	62
QC Sample Results	64
QC Association Summary	82
Lab Chronicle	85
Certification Summary	89
Method Summary	91
Sample Summary	92
Chain of Custody	93
Receipt Checklists	96

Definitions/Glossary

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

LCMS

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
I	Ion ratio outside limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points

Eurofins Buffalo

Definitions/Glossary

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

Case Narrative

Client: GEI Consultants Inc
Project: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Job ID: 480-235192-1

Eurofins Buffalo

Job Narrative 480-235192-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 12/12/2025 12:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.1°C.

Receipt Exceptions

PFAS analysis was requested on the chain of custody (COC) for sample FB (480-235192-18) but no containers for PFAS analysis were received.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-764803 recovered above the upper control limit for Carbon tetrachloride, Dichlorodifluoromethane, 1,1-Dichloroethene, 1,1,1-Trichloroethane and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is: MW4S (480-235192-13).

Method 8260C: The laboratory control sample (LCS) for analytical batch 480-764803 recovered outside control limits for the following analytes: Carbon tetrachloride and Dichlorodifluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated sample is: MW4S (480-235192-13).

Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW8 (480-235192-3), MW1C (480-235192-6), MW1R (480-235192-9) and MW5S (480-235192-15). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW1D (480-235192-7), MW1E (480-235192-8), MW3S (480-235192-11) and MW4I (480-235192-14). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW4S (480-235192-13). Elevated reporting limits (RLs) are provided.

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-764803 were outside control limits for one or more analytes. See QC Sample Results for detail. The associated samples are: MW11 (480-235192-4[MS]) and MW11 (480-235192-4[MSD]).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-764908 recovered outside acceptance criteria, low biased, for Methyl tert-butyl ether. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported. The associated sample is: DUP (480-235192-17).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: DUP (480-235192-17). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

Eurofins Buffalo

Case Narrative

Client: GEI Consultants Inc
Project: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Job ID: 480-235192-1 (Continued)

Eurofins Buffalo

Method RSK_175: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW1R (480-235192-9), MW2R (480-235192-10), MW3S (480-235192-11), MW4S (480-235192-13) and MW4I (480-235192-14). Elevated reporting limits (RLs) are provided.

Method RSK_175: The %RPD between the primary and confirmation column exceeded 40% for Ethane for the following sample: MW3S (480-235192-11). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

Method RSK_175: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW3I (480-235192-12). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PFAS

Method 1633A: The recovery for labeled isotope: 13C2 4:2 FTS, 13C2 6:2 FTS and 13C2 8:2 FTS is outside the QC acceptance limits in the closing continuing calibration verification standard associated with the following samples MW3S (480-235192-11), MW3I (480-235192-12), MW4S (480-235192-13), MW4I (480-235192-14), MW5S (480-235192-15), MW5I (480-235192-16) and DUP (480-235192-17). Since the recovery for target analytes is within the limits, the data is reported.

Method 1633A: The labeled isotopes 13C2 4:2 FTS are outside QC acceptance limits. Since the recovery in sample MW3S (480-235192-11) and MW4S (480-235192-13) is less than 350%, the data is reported.

Method 1633A: The transition mass ratio for Perfluorononanoic acid (PFNA) in sample MW4S (480-235192-13) in analytical batch 410-747550 was outside of the established ratio limits. However, analyst judgment was used to positively identify the analyte. The analyte is flagged appropriately to identify this exceedance.

Method 1633A: The sample injection standard peak areas in the following samples: MW5S (480-235192-15) and DUP (480-235192-17) are outside of the QC limits for both the initial injection and the re-injection. The values here are from the initial injection of the sample.

Method 1633A: The labeled isotopes 13C2 4:2 FTS and 13C2 6:2 FTS are outside QC acceptance limits. Since the recovery in sample MW5S (480-235192-15) and DUP (480-235192-17) is less than 350%, the data is reported.

Method 1633A: Analyte Perfluorooctanesulfonamide (PFOSA) was marked as non-detect for sample MW5S (480-235192-15) due to a detection below RL and failing ion ratio.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method 300.0_28D: The following samples were diluted due to the nature of the sample matrix: MW1R (480-235192-9), MW2R (480-235192-10), MW3S (480-235192-11), MW3I (480-235192-12), MW4S (480-235192-13) and MW4I (480-235192-14). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Buffalo

Detection Summary

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW6

Lab Sample ID: 480-235192-1

No Detections.

Client Sample ID: MW7

Lab Sample ID: 480-235192-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	11		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW8

Lab Sample ID: 480-235192-3

No Detections.

Client Sample ID: MW11

Lab Sample ID: 480-235192-4

No Detections.

Client Sample ID: MW12S

Lab Sample ID: 480-235192-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.3		1.0	0.81	ug/L	1		8260C	Total/NA

Client Sample ID: MW1C

Lab Sample ID: 480-235192-6

No Detections.

Client Sample ID: MW1D

Lab Sample ID: 480-235192-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	990		20	16	ug/L	20		8260C	Total/NA
Tetrachloroethene	410		20	7.2	ug/L	20		8260C	Total/NA
Trichloroethene	210		20	9.2	ug/L	20		8260C	Total/NA
Vinyl chloride	20		20	18	ug/L	20		8260C	Total/NA

Client Sample ID: MW1E

Lab Sample ID: 480-235192-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	960		100	81	ug/L	100		8260C	Total/NA
Tetrachloroethene	3600		100	36	ug/L	100		8260C	Total/NA
Trichloroethene	790		100	46	ug/L	100		8260C	Total/NA

Client Sample ID: MW1R

Lab Sample ID: 480-235192-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	2400		88	22	ug/L	22		RSK-175	Total/NA
Iron	3.3		0.050	0.019	mg/L	1		6010D	Total/NA
Iron, Dissolved	0.24		0.050	0.019	mg/L	1		6010D	Dissolved
Sulfate	14.3		10.0	1.7	mg/L	5		300.0	Total/NA

Client Sample ID: MW2R

Lab Sample ID: 480-235192-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	18		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	3.5		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	3.6		1.0	0.46	ug/L	1		8260C	Total/NA
Methane	320		44	11	ug/L	11		RSK-175	Total/NA
Iron	0.52		0.050	0.019	mg/L	1		6010D	Total/NA
Iron, Dissolved	0.17		0.050	0.019	mg/L	1		6010D	Dissolved
Sulfate	15.3	J	20.0	3.5	mg/L	10		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW3S

Lab Sample ID: 480-235192-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	71000		2000	1600	ug/L	2000		8260C	Total/NA
Vinyl chloride	60000		2000	1800	ug/L	2000		8260C	Total/NA
Methane	6900		350	88	ug/L	88		RSK-175	Total/NA
Ethane	820		660	130	ug/L	88		RSK-175	Total/NA
Ethene	26000		620	130	ug/L	88		RSK-175	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	8.0	J	8.1	2.3	ng/L	1		1633A	Total/NA
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.3	J	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	7.1		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorobutanoic acid (PFBA)	13		3.2	0.89	ng/L	1		1633A	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	1.5	J	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	12		1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	9.2		1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	21		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	1.8		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	39		1.6	1.1	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	33		1.6	0.73	ng/L	1		1633A	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	2.7		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	19		1.6	0.49	ng/L	1		1633A	Total/NA
Iron	85.1		0.050	0.019	mg/L	1		6010D	Total/NA
Iron, Dissolved	81.4	B	0.050	0.019	mg/L	1		6010D	Dissolved

Client Sample ID: MW3I

Lab Sample ID: 480-235192-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	25		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	1.7		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	2.2		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	11		1.0	0.90	ug/L	1		8260C	Total/NA
Ethane	93		7.5	1.5	ug/L	1		RSK-175	Total/NA
Ethene	6.5	J	7.0	1.5	ug/L	1		RSK-175	Total/NA
Methane - DL	1300		88	22	ug/L	22		RSK-175	Total/NA
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.47	J	1.4	0.36	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.2	J	1.4	0.36	ng/L	1		1633A	Total/NA
Perfluorobutanoic acid (PFBA)	3.3		2.9	0.79	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.40	J	1.4	0.36	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.1	J	1.4	0.57	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.2	J	1.4	0.57	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	2.4		1.4	0.36	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	0.60	J	1.4	0.36	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	28		1.4	0.93	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	2.4		1.4	0.64	ng/L	1		1633A	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.38	J	1.4	0.36	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	4.0		1.4	0.43	ng/L	1		1633A	Total/NA
Iron	1.3		0.050	0.019	mg/L	1		6010D	Total/NA
Iron, Dissolved	0.54		0.050	0.019	mg/L	1		6010D	Dissolved
Sulfate	73.5		10.0	1.7	mg/L	5		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW4S

Lab Sample ID: 480-235192-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2400		400	320	ug/L	400		8260C	Total/NA
Tetrachloroethene	31000		400	140	ug/L	400		8260C	Total/NA
Trichloroethene	1200		400	180	ug/L	400		8260C	Total/NA
Methane	1400		180	44	ug/L	44		RSK-175	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.9		1.8	0.45	ng/L	1		1633A	Total/NA
Perfluorobutanoic acid (PFBA)	5.8		3.6	0.99	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	2.1		1.8	0.45	ng/L	1		1633A	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.45	J	1.8	0.45	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	4.1		1.8	0.72	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.3		1.8	0.72	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	5.5		1.8	0.45	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	3.7	I	1.8	0.45	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	28		1.8	1.2	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	12		1.8	0.81	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	6.7		1.8	0.54	ng/L	1		1633A	Total/NA
Iron	0.66		0.050	0.019	mg/L	1		6010D	Total/NA
Iron, Dissolved	0.11		0.050	0.019	mg/L	1		6010D	Dissolved
Sulfate	146		10.0	1.7	mg/L	5		300.0	Total/NA

Client Sample ID: MW4I

Lab Sample ID: 480-235192-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	28	J	40	12	ug/L	40		8260C	Total/NA
cis-1,2-Dichloroethene	2900		40	32	ug/L	40		8260C	Total/NA
Tetrachloroethene	14	J	40	14	ug/L	40		8260C	Total/NA
Vinyl chloride	440		40	36	ug/L	40		8260C	Total/NA
Methane	1800		44	11	ug/L	11		RSK-175	Total/NA
Ethene	54	J	77	17	ug/L	11		RSK-175	Total/NA
Perfluorobutanoic acid (PFBA)	1.1	J	3.3	0.90	ng/L	1		1633A	Total/NA
Iron	1.4		0.050	0.019	mg/L	1		6010D	Total/NA
Iron, Dissolved	1.4		0.050	0.019	mg/L	1		6010D	Dissolved
Sulfate	134		10.0	1.7	mg/L	5		300.0	Total/NA

Client Sample ID: MW5S

Lab Sample ID: 480-235192-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	12	J	20	8.2	ug/L	20		8260C	Total/NA
Cyclohexane	310		20	3.6	ug/L	20		8260C	Total/NA
Ethylbenzene	230		20	15	ug/L	20		8260C	Total/NA
Isopropylbenzene	97		20	16	ug/L	20		8260C	Total/NA
Methylcyclohexane	100		20	3.2	ug/L	20		8260C	Total/NA
Methylene Chloride	24		20	8.8	ug/L	20		8260C	Total/NA
Xylenes, Total	13	J	40	13	ug/L	20		8260C	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.5		1.6	0.39	ng/L	1		1633A	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.74	J	1.6	0.39	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	6.3		1.6	0.63	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.2		1.6	0.63	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	7.9		1.6	0.39	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	1.4	J	1.6	0.39	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	26		1.6	1.0	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW5S (Continued)

Lab Sample ID: 480-235192-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	25		1.6	0.70	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	11		1.6	0.47	ng/L	1		1633A	Total/NA

Client Sample ID: MW5I

Lab Sample ID: 480-235192-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	10		3.2	0.79	ng/L	1		1633A	Total/NA
Perfluorobutanoic acid (PFBA)	1.3	J	3.2	0.87	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	1.1	J	1.6	0.39	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	1.2	J	1.6	0.47	ng/L	1		1633A	Total/NA

Client Sample ID: DUP

Lab Sample ID: 480-235192-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2000		800	650	ug/L	800		8260C	Total/NA
Tetrachloroethene	24000		800	290	ug/L	800		8260C	Total/NA
Trichloroethene	1000		800	370	ug/L	800		8260C	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.7		1.7	0.43	ng/L	1		1633A	Total/NA
Perfluorobutanoic acid (PFBA)	11		3.4	0.94	ng/L	1		1633A	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.78	J	1.7	0.43	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	6.6		1.7	0.68	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.3		1.7	0.68	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	8.1		1.7	0.43	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	1.5	J	1.7	0.43	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	27		1.7	1.1	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	23		1.7	0.77	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	10		1.7	0.51	ng/L	1		1633A	Total/NA
Perfluorotridecanoic acid (PFTTrDA)	0.87	J	1.7	0.43	ng/L	1		1633A	Total/NA

Client Sample ID: FB

Lab Sample ID: 480-235192-18

No Detections.

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-235192-19

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW6

Lab Sample ID: 480-235192-1

Date Collected: 12/09/25 15:05

Matrix: Water

Date Received: 12/12/25 12:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/25 14:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/25 14:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/12/25 14:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/25 14:36	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/25 14:36	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/25 14:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/12/25 14:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/12/25 14:36	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/12/25 14:36	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/12/25 14:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/25 14:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/25 14:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/12/25 14:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/12/25 14:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/12/25 14:36	1
2-Hexanone	ND		5.0	1.2	ug/L			12/12/25 14:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/12/25 14:36	1
Acetone	ND		10	3.0	ug/L			12/12/25 14:36	1
Benzene	ND		1.0	0.41	ug/L			12/12/25 14:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/12/25 14:36	1
Bromoform	ND		1.0	0.26	ug/L			12/12/25 14:36	1
Bromomethane	ND		1.0	0.69	ug/L			12/12/25 14:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/12/25 14:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/12/25 14:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/12/25 14:36	1
Chloroethane	ND		1.0	0.32	ug/L			12/12/25 14:36	1
Chloroform	ND		1.0	0.34	ug/L			12/12/25 14:36	1
Chloromethane	ND		1.0	0.35	ug/L			12/12/25 14:36	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/12/25 14:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/12/25 14:36	1
Cyclohexane	ND		1.0	0.18	ug/L			12/12/25 14:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/12/25 14:36	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/12/25 14:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/12/25 14:36	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/12/25 14:36	1
Methyl acetate	ND		2.5	1.3	ug/L			12/12/25 14:36	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/12/25 14:36	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/12/25 14:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/12/25 14:36	1
Styrene	ND		1.0	0.73	ug/L			12/12/25 14:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/12/25 14:36	1
Toluene	ND		1.0	0.51	ug/L			12/12/25 14:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/12/25 14:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/12/25 14:36	1
Trichloroethene	ND		1.0	0.46	ug/L			12/12/25 14:36	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/12/25 14:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/12/25 14:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/12/25 14:36	1

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW6

Lab Sample ID: 480-235192-1

Date Collected: 12/09/25 15:05

Matrix: Water

Date Received: 12/12/25 12:00

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		12/12/25 14:36	1
4-Bromofluorobenzene (Surr)	95		73 - 120		12/12/25 14:36	1
Dibromofluoromethane (Surr)	103		75 - 123		12/12/25 14:36	1
Toluene-d8 (Surr)	103		80 - 120		12/12/25 14:36	1

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW7

Lab Sample ID: 480-235192-2

Date Collected: 12/09/25 14:20

Matrix: Water

Date Received: 12/12/25 12:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/25 14:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/25 14:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/12/25 14:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/25 14:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/25 14:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/25 14:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/12/25 14:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/12/25 14:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/12/25 14:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/12/25 14:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/25 14:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/25 14:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/12/25 14:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/12/25 14:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/12/25 14:58	1
2-Hexanone	ND		5.0	1.2	ug/L			12/12/25 14:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/12/25 14:58	1
Acetone	ND		10	3.0	ug/L			12/12/25 14:58	1
Benzene	ND		1.0	0.41	ug/L			12/12/25 14:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/12/25 14:58	1
Bromoform	ND		1.0	0.26	ug/L			12/12/25 14:58	1
Bromomethane	ND		1.0	0.69	ug/L			12/12/25 14:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/12/25 14:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/12/25 14:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/12/25 14:58	1
Chloroethane	ND		1.0	0.32	ug/L			12/12/25 14:58	1
Chloroform	ND		1.0	0.34	ug/L			12/12/25 14:58	1
Chloromethane	ND		1.0	0.35	ug/L			12/12/25 14:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/12/25 14:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/12/25 14:58	1
Cyclohexane	ND		1.0	0.18	ug/L			12/12/25 14:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/12/25 14:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/12/25 14:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/12/25 14:58	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/12/25 14:58	1
Methyl acetate	ND		2.5	1.3	ug/L			12/12/25 14:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/12/25 14:58	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/12/25 14:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/12/25 14:58	1
Styrene	ND		1.0	0.73	ug/L			12/12/25 14:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/12/25 14:58	1
Toluene	ND		1.0	0.51	ug/L			12/12/25 14:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/12/25 14:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/12/25 14:58	1
Trichloroethene	ND		1.0	0.46	ug/L			12/12/25 14:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/12/25 14:58	1
Vinyl chloride	11		1.0	0.90	ug/L			12/12/25 14:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/12/25 14:58	1

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW7

Lab Sample ID: 480-235192-2

Date Collected: 12/09/25 14:20

Matrix: Water

Date Received: 12/12/25 12:00

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		12/12/25 14:58	1
4-Bromofluorobenzene (Surr)	97		73 - 120		12/12/25 14:58	1
Dibromofluoromethane (Surr)	102		75 - 123		12/12/25 14:58	1
Toluene-d8 (Surr)	103		80 - 120		12/12/25 14:58	1

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW8

Lab Sample ID: 480-235192-3

Date Collected: 12/09/25 15:25

Matrix: Water

Date Received: 12/12/25 12:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			12/12/25 15:20	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			12/12/25 15:20	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			12/12/25 15:20	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			12/12/25 15:20	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			12/12/25 15:20	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			12/12/25 15:20	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			12/12/25 15:20	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			12/12/25 15:20	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			12/12/25 15:20	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			12/12/25 15:20	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			12/12/25 15:20	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			12/12/25 15:20	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			12/12/25 15:20	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			12/12/25 15:20	4
2-Butanone (MEK)	ND		40	5.3	ug/L			12/12/25 15:20	4
2-Hexanone	ND		20	5.0	ug/L			12/12/25 15:20	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			12/12/25 15:20	4
Acetone	ND		40	12	ug/L			12/12/25 15:20	4
Benzene	ND		4.0	1.6	ug/L			12/12/25 15:20	4
Bromodichloromethane	ND		4.0	1.6	ug/L			12/12/25 15:20	4
Bromoform	ND		4.0	1.0	ug/L			12/12/25 15:20	4
Bromomethane	ND		4.0	2.8	ug/L			12/12/25 15:20	4
Carbon disulfide	ND		4.0	0.76	ug/L			12/12/25 15:20	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			12/12/25 15:20	4
Chlorobenzene	ND		4.0	3.0	ug/L			12/12/25 15:20	4
Chloroethane	ND		4.0	1.3	ug/L			12/12/25 15:20	4
Chloroform	ND		4.0	1.4	ug/L			12/12/25 15:20	4
Chloromethane	ND		4.0	1.4	ug/L			12/12/25 15:20	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			12/12/25 15:20	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			12/12/25 15:20	4
Cyclohexane	ND		4.0	0.72	ug/L			12/12/25 15:20	4
Dibromochloromethane	ND		4.0	1.3	ug/L			12/12/25 15:20	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			12/12/25 15:20	4
Ethylbenzene	ND		4.0	3.0	ug/L			12/12/25 15:20	4
Isopropylbenzene	ND		4.0	3.2	ug/L			12/12/25 15:20	4
Methyl acetate	ND		10	5.2	ug/L			12/12/25 15:20	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			12/12/25 15:20	4
Methylcyclohexane	ND		4.0	0.64	ug/L			12/12/25 15:20	4
Methylene Chloride	ND		4.0	1.8	ug/L			12/12/25 15:20	4
Styrene	ND		4.0	2.9	ug/L			12/12/25 15:20	4
Tetrachloroethene	ND		4.0	1.4	ug/L			12/12/25 15:20	4
Toluene	ND		4.0	2.0	ug/L			12/12/25 15:20	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			12/12/25 15:20	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			12/12/25 15:20	4
Trichloroethene	ND		4.0	1.8	ug/L			12/12/25 15:20	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			12/12/25 15:20	4
Vinyl chloride	ND		4.0	3.6	ug/L			12/12/25 15:20	4
Xylenes, Total	ND		8.0	2.6	ug/L			12/12/25 15:20	4

Eurolins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW8

Lab Sample ID: 480-235192-3

Date Collected: 12/09/25 15:25

Matrix: Water

Date Received: 12/12/25 12:00

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		12/12/25 15:20	4
4-Bromofluorobenzene (Surr)	94		73 - 120		12/12/25 15:20	4
Dibromofluoromethane (Surr)	104		75 - 123		12/12/25 15:20	4
Toluene-d8 (Surr)	101		80 - 120		12/12/25 15:20	4

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW11

Lab Sample ID: 480-235192-4

Date Collected: 12/09/25 16:20

Matrix: Water

Date Received: 12/12/25 12:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	F1	1.0	0.82	ug/L			12/12/25 15:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/25 15:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/12/25 15:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/25 15:43	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/25 15:43	1
1,1-Dichloroethene	ND	F1	1.0	0.29	ug/L			12/12/25 15:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/12/25 15:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/12/25 15:43	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/12/25 15:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/12/25 15:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/25 15:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/25 15:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/12/25 15:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/12/25 15:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/12/25 15:43	1
2-Hexanone	ND		5.0	1.2	ug/L			12/12/25 15:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/12/25 15:43	1
Acetone	ND		10	3.0	ug/L			12/12/25 15:43	1
Benzene	ND		1.0	0.41	ug/L			12/12/25 15:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/12/25 15:43	1
Bromoform	ND		1.0	0.26	ug/L			12/12/25 15:43	1
Bromomethane	ND		1.0	0.69	ug/L			12/12/25 15:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/12/25 15:43	1
Carbon tetrachloride	ND	F1	1.0	0.27	ug/L			12/12/25 15:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/12/25 15:43	1
Chloroethane	ND		1.0	0.32	ug/L			12/12/25 15:43	1
Chloroform	ND		1.0	0.34	ug/L			12/12/25 15:43	1
Chloromethane	ND		1.0	0.35	ug/L			12/12/25 15:43	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/12/25 15:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/12/25 15:43	1
Cyclohexane	ND		1.0	0.18	ug/L			12/12/25 15:43	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/12/25 15:43	1
Dichlorodifluoromethane	ND	F1	1.0	0.68	ug/L			12/12/25 15:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/12/25 15:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/12/25 15:43	1
Methyl acetate	ND		2.5	1.3	ug/L			12/12/25 15:43	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/12/25 15:43	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/12/25 15:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/12/25 15:43	1
Styrene	ND		1.0	0.73	ug/L			12/12/25 15:43	1
Tetrachloroethene	ND	F1	1.0	0.36	ug/L			12/12/25 15:43	1
Toluene	ND		1.0	0.51	ug/L			12/12/25 15:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/12/25 15:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/12/25 15:43	1
Trichloroethene	ND	F1	1.0	0.46	ug/L			12/12/25 15:43	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/12/25 15:43	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/12/25 15:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/12/25 15:43	1

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW11

Date Collected: 12/09/25 16:20

Date Received: 12/12/25 12:00

Lab Sample ID: 480-235192-4

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		12/12/25 15:43	1
4-Bromofluorobenzene (Surr)	94		73 - 120		12/12/25 15:43	1
Dibromofluoromethane (Surr)	103		75 - 123		12/12/25 15:43	1
Toluene-d8 (Surr)	102		80 - 120		12/12/25 15:43	1

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW12S

Lab Sample ID: 480-235192-5

Date Collected: 12/09/25 16:30

Matrix: Water

Date Received: 12/12/25 12:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/25 16:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/25 16:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/12/25 16:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/25 16:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/25 16:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/25 16:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/12/25 16:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/12/25 16:06	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/12/25 16:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/12/25 16:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/25 16:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/25 16:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/12/25 16:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/12/25 16:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/12/25 16:06	1
2-Hexanone	ND		5.0	1.2	ug/L			12/12/25 16:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/12/25 16:06	1
Acetone	ND		10	3.0	ug/L			12/12/25 16:06	1
Benzene	ND		1.0	0.41	ug/L			12/12/25 16:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/12/25 16:06	1
Bromoform	ND		1.0	0.26	ug/L			12/12/25 16:06	1
Bromomethane	ND		1.0	0.69	ug/L			12/12/25 16:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/12/25 16:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/12/25 16:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/12/25 16:06	1
Chloroethane	ND		1.0	0.32	ug/L			12/12/25 16:06	1
Chloroform	ND		1.0	0.34	ug/L			12/12/25 16:06	1
Chloromethane	ND		1.0	0.35	ug/L			12/12/25 16:06	1
cis-1,2-Dichloroethene	1.3		1.0	0.81	ug/L			12/12/25 16:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/12/25 16:06	1
Cyclohexane	ND		1.0	0.18	ug/L			12/12/25 16:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/12/25 16:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/12/25 16:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/12/25 16:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/12/25 16:06	1
Methyl acetate	ND		2.5	1.3	ug/L			12/12/25 16:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/12/25 16:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/12/25 16:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/12/25 16:06	1
Styrene	ND		1.0	0.73	ug/L			12/12/25 16:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/12/25 16:06	1
Toluene	ND		1.0	0.51	ug/L			12/12/25 16:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/12/25 16:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/12/25 16:06	1
Trichloroethene	ND		1.0	0.46	ug/L			12/12/25 16:06	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/12/25 16:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/12/25 16:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/12/25 16:06	1

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW12S

Lab Sample ID: 480-235192-5

Date Collected: 12/09/25 16:30

Matrix: Water

Date Received: 12/12/25 12:00

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		12/12/25 16:06	1
4-Bromofluorobenzene (Surr)	96		73 - 120		12/12/25 16:06	1
Dibromofluoromethane (Surr)	102		75 - 123		12/12/25 16:06	1
Toluene-d8 (Surr)	99		80 - 120		12/12/25 16:06	1

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW1C

Lab Sample ID: 480-235192-6

Date Collected: 12/10/25 15:05

Matrix: Water

Date Received: 12/12/25 12:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			12/12/25 16:28	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			12/12/25 16:28	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			12/12/25 16:28	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			12/12/25 16:28	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			12/12/25 16:28	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			12/12/25 16:28	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			12/12/25 16:28	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			12/12/25 16:28	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			12/12/25 16:28	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			12/12/25 16:28	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			12/12/25 16:28	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			12/12/25 16:28	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			12/12/25 16:28	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			12/12/25 16:28	4
2-Butanone (MEK)	ND		40	5.3	ug/L			12/12/25 16:28	4
2-Hexanone	ND		20	5.0	ug/L			12/12/25 16:28	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			12/12/25 16:28	4
Acetone	ND		40	12	ug/L			12/12/25 16:28	4
Benzene	ND		4.0	1.6	ug/L			12/12/25 16:28	4
Bromodichloromethane	ND		4.0	1.6	ug/L			12/12/25 16:28	4
Bromoform	ND		4.0	1.0	ug/L			12/12/25 16:28	4
Bromomethane	ND		4.0	2.8	ug/L			12/12/25 16:28	4
Carbon disulfide	ND		4.0	0.76	ug/L			12/12/25 16:28	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			12/12/25 16:28	4
Chlorobenzene	ND		4.0	3.0	ug/L			12/12/25 16:28	4
Chloroethane	ND		4.0	1.3	ug/L			12/12/25 16:28	4
Chloroform	ND		4.0	1.4	ug/L			12/12/25 16:28	4
Chloromethane	ND		4.0	1.4	ug/L			12/12/25 16:28	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			12/12/25 16:28	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			12/12/25 16:28	4
Cyclohexane	ND		4.0	0.72	ug/L			12/12/25 16:28	4
Dibromochloromethane	ND		4.0	1.3	ug/L			12/12/25 16:28	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			12/12/25 16:28	4
Ethylbenzene	ND		4.0	3.0	ug/L			12/12/25 16:28	4
Isopropylbenzene	ND		4.0	3.2	ug/L			12/12/25 16:28	4
Methyl acetate	ND		10	5.2	ug/L			12/12/25 16:28	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			12/12/25 16:28	4
Methylcyclohexane	ND		4.0	0.64	ug/L			12/12/25 16:28	4
Methylene Chloride	ND		4.0	1.8	ug/L			12/12/25 16:28	4
Styrene	ND		4.0	2.9	ug/L			12/12/25 16:28	4
Tetrachloroethene	ND		4.0	1.4	ug/L			12/12/25 16:28	4
Toluene	ND		4.0	2.0	ug/L			12/12/25 16:28	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			12/12/25 16:28	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			12/12/25 16:28	4
Trichloroethene	ND		4.0	1.8	ug/L			12/12/25 16:28	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			12/12/25 16:28	4
Vinyl chloride	ND		4.0	3.6	ug/L			12/12/25 16:28	4
Xylenes, Total	ND		8.0	2.6	ug/L			12/12/25 16:28	4

Eurolins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW1C

Date Collected: 12/10/25 15:05

Date Received: 12/12/25 12:00

Lab Sample ID: 480-235192-6

Matrix: Water

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		12/12/25 16:28	4
4-Bromofluorobenzene (Surr)	98		73 - 120		12/12/25 16:28	4
Dibromofluoromethane (Surr)	102		75 - 123		12/12/25 16:28	4
Toluene-d8 (Surr)	101		80 - 120		12/12/25 16:28	4

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW1D

Lab Sample ID: 480-235192-7

Date Collected: 12/10/25 12:50

Matrix: Water

Date Received: 12/12/25 12:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			12/12/25 16:50	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			12/12/25 16:50	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			12/12/25 16:50	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			12/12/25 16:50	20
1,1-Dichloroethane	ND		20	7.6	ug/L			12/12/25 16:50	20
1,1-Dichloroethene	ND		20	5.8	ug/L			12/12/25 16:50	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			12/12/25 16:50	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			12/12/25 16:50	20
1,2-Dibromoethane	ND		20	15	ug/L			12/12/25 16:50	20
1,2-Dichlorobenzene	ND		20	16	ug/L			12/12/25 16:50	20
1,2-Dichloroethane	ND		20	4.2	ug/L			12/12/25 16:50	20
1,2-Dichloropropane	ND		20	14	ug/L			12/12/25 16:50	20
1,3-Dichlorobenzene	ND		20	16	ug/L			12/12/25 16:50	20
1,4-Dichlorobenzene	ND		20	17	ug/L			12/12/25 16:50	20
2-Butanone (MEK)	ND		200	26	ug/L			12/12/25 16:50	20
2-Hexanone	ND		100	25	ug/L			12/12/25 16:50	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			12/12/25 16:50	20
Acetone	ND		200	60	ug/L			12/12/25 16:50	20
Benzene	ND		20	8.2	ug/L			12/12/25 16:50	20
Bromodichloromethane	ND		20	7.8	ug/L			12/12/25 16:50	20
Bromoform	ND		20	5.2	ug/L			12/12/25 16:50	20
Bromomethane	ND		20	14	ug/L			12/12/25 16:50	20
Carbon disulfide	ND		20	3.8	ug/L			12/12/25 16:50	20
Carbon tetrachloride	ND		20	5.4	ug/L			12/12/25 16:50	20
Chlorobenzene	ND		20	15	ug/L			12/12/25 16:50	20
Chloroethane	ND		20	6.4	ug/L			12/12/25 16:50	20
Chloroform	ND		20	6.8	ug/L			12/12/25 16:50	20
Chloromethane	ND		20	7.0	ug/L			12/12/25 16:50	20
cis-1,2-Dichloroethene	990		20	16	ug/L			12/12/25 16:50	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			12/12/25 16:50	20
Cyclohexane	ND		20	3.6	ug/L			12/12/25 16:50	20
Dibromochloromethane	ND		20	6.4	ug/L			12/12/25 16:50	20
Dichlorodifluoromethane	ND		20	14	ug/L			12/12/25 16:50	20
Ethylbenzene	ND		20	15	ug/L			12/12/25 16:50	20
Isopropylbenzene	ND		20	16	ug/L			12/12/25 16:50	20
Methyl acetate	ND		50	26	ug/L			12/12/25 16:50	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			12/12/25 16:50	20
Methylcyclohexane	ND		20	3.2	ug/L			12/12/25 16:50	20
Methylene Chloride	ND		20	8.8	ug/L			12/12/25 16:50	20
Styrene	ND		20	15	ug/L			12/12/25 16:50	20
Tetrachloroethene	410		20	7.2	ug/L			12/12/25 16:50	20
Toluene	ND		20	10	ug/L			12/12/25 16:50	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			12/12/25 16:50	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			12/12/25 16:50	20
Trichloroethene	210		20	9.2	ug/L			12/12/25 16:50	20
Trichlorofluoromethane	ND		20	18	ug/L			12/12/25 16:50	20
Vinyl chloride	20		20	18	ug/L			12/12/25 16:50	20
Xylenes, Total	ND		40	13	ug/L			12/12/25 16:50	20

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW1D

Lab Sample ID: 480-235192-7

Date Collected: 12/10/25 12:50

Matrix: Water

Date Received: 12/12/25 12:00

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		12/12/25 16:50	20
4-Bromofluorobenzene (Surr)	98		73 - 120		12/12/25 16:50	20
Dibromofluoromethane (Surr)	101		75 - 123		12/12/25 16:50	20
Toluene-d8 (Surr)	100		80 - 120		12/12/25 16:50	20

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW1E

Lab Sample ID: 480-235192-8

Date Collected: 12/10/25 14:00

Matrix: Water

Date Received: 12/12/25 12:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	82	ug/L			12/12/25 17:13	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			12/12/25 17:13	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			12/12/25 17:13	100
1,1,2-Trichloroethane	ND		100	23	ug/L			12/12/25 17:13	100
1,1-Dichloroethane	ND		100	38	ug/L			12/12/25 17:13	100
1,1-Dichloroethene	ND		100	29	ug/L			12/12/25 17:13	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			12/12/25 17:13	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			12/12/25 17:13	100
1,2-Dibromoethane	ND		100	73	ug/L			12/12/25 17:13	100
1,2-Dichlorobenzene	ND		100	79	ug/L			12/12/25 17:13	100
1,2-Dichloroethane	ND		100	21	ug/L			12/12/25 17:13	100
1,2-Dichloropropane	ND		100	72	ug/L			12/12/25 17:13	100
1,3-Dichlorobenzene	ND		100	78	ug/L			12/12/25 17:13	100
1,4-Dichlorobenzene	ND		100	84	ug/L			12/12/25 17:13	100
2-Butanone (MEK)	ND		1000	130	ug/L			12/12/25 17:13	100
2-Hexanone	ND		500	120	ug/L			12/12/25 17:13	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			12/12/25 17:13	100
Acetone	ND		1000	300	ug/L			12/12/25 17:13	100
Benzene	ND		100	41	ug/L			12/12/25 17:13	100
Bromodichloromethane	ND		100	39	ug/L			12/12/25 17:13	100
Bromoform	ND		100	26	ug/L			12/12/25 17:13	100
Bromomethane	ND		100	69	ug/L			12/12/25 17:13	100
Carbon disulfide	ND		100	19	ug/L			12/12/25 17:13	100
Carbon tetrachloride	ND		100	27	ug/L			12/12/25 17:13	100
Chlorobenzene	ND		100	75	ug/L			12/12/25 17:13	100
Chloroethane	ND		100	32	ug/L			12/12/25 17:13	100
Chloroform	ND		100	34	ug/L			12/12/25 17:13	100
Chloromethane	ND		100	35	ug/L			12/12/25 17:13	100
cis-1,2-Dichloroethene	960		100	81	ug/L			12/12/25 17:13	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			12/12/25 17:13	100
Cyclohexane	ND		100	18	ug/L			12/12/25 17:13	100
Dibromochloromethane	ND		100	32	ug/L			12/12/25 17:13	100
Dichlorodifluoromethane	ND		100	68	ug/L			12/12/25 17:13	100
Ethylbenzene	ND		100	74	ug/L			12/12/25 17:13	100
Isopropylbenzene	ND		100	79	ug/L			12/12/25 17:13	100
Methyl acetate	ND		250	130	ug/L			12/12/25 17:13	100
Methyl tert-butyl ether	ND		100	16	ug/L			12/12/25 17:13	100
Methylcyclohexane	ND		100	16	ug/L			12/12/25 17:13	100
Methylene Chloride	ND		100	44	ug/L			12/12/25 17:13	100
Styrene	ND		100	73	ug/L			12/12/25 17:13	100
Tetrachloroethene	3600		100	36	ug/L			12/12/25 17:13	100
Toluene	ND		100	51	ug/L			12/12/25 17:13	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			12/12/25 17:13	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			12/12/25 17:13	100
Trichloroethene	790		100	46	ug/L			12/12/25 17:13	100
Trichlorofluoromethane	ND		100	88	ug/L			12/12/25 17:13	100
Vinyl chloride	ND		100	90	ug/L			12/12/25 17:13	100
Xylenes, Total	ND		200	66	ug/L			12/12/25 17:13	100

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW1E

Lab Sample ID: 480-235192-8

Date Collected: 12/10/25 14:00

Matrix: Water

Date Received: 12/12/25 12:00

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		12/12/25 17:13	100
4-Bromofluorobenzene (Surr)	96		73 - 120		12/12/25 17:13	100
Dibromofluoromethane (Surr)	101		75 - 123		12/12/25 17:13	100
Toluene-d8 (Surr)	103		80 - 120		12/12/25 17:13	100

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW1R

Lab Sample ID: 480-235192-9

Date Collected: 12/09/25 13:45

Matrix: Water

Date Received: 12/12/25 12:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			12/12/25 17:35	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/12/25 17:35	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			12/12/25 17:35	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/12/25 17:35	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			12/12/25 17:35	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			12/12/25 17:35	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			12/12/25 17:35	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			12/12/25 17:35	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			12/12/25 17:35	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			12/12/25 17:35	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/12/25 17:35	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/12/25 17:35	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			12/12/25 17:35	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			12/12/25 17:35	5
2-Butanone (MEK)	ND		50	6.6	ug/L			12/12/25 17:35	5
2-Hexanone	ND		25	6.2	ug/L			12/12/25 17:35	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/12/25 17:35	5
Acetone	ND		50	15	ug/L			12/12/25 17:35	5
Benzene	ND		5.0	2.1	ug/L			12/12/25 17:35	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/12/25 17:35	5
Bromoform	ND		5.0	1.3	ug/L			12/12/25 17:35	5
Bromomethane	ND		5.0	3.5	ug/L			12/12/25 17:35	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/12/25 17:35	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/12/25 17:35	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/12/25 17:35	5
Chloroethane	ND		5.0	1.6	ug/L			12/12/25 17:35	5
Chloroform	ND		5.0	1.7	ug/L			12/12/25 17:35	5
Chloromethane	ND		5.0	1.8	ug/L			12/12/25 17:35	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			12/12/25 17:35	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/12/25 17:35	5
Cyclohexane	ND		5.0	0.90	ug/L			12/12/25 17:35	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/12/25 17:35	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			12/12/25 17:35	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/12/25 17:35	5
Isopropylbenzene	ND		5.0	4.0	ug/L			12/12/25 17:35	5
Methyl acetate	ND		13	6.5	ug/L			12/12/25 17:35	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			12/12/25 17:35	5
Methylcyclohexane	ND		5.0	0.80	ug/L			12/12/25 17:35	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/12/25 17:35	5
Styrene	ND		5.0	3.7	ug/L			12/12/25 17:35	5
Tetrachloroethene	ND		5.0	1.8	ug/L			12/12/25 17:35	5
Toluene	ND		5.0	2.6	ug/L			12/12/25 17:35	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/12/25 17:35	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/12/25 17:35	5
Trichloroethene	ND		5.0	2.3	ug/L			12/12/25 17:35	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			12/12/25 17:35	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/12/25 17:35	5
Xylenes, Total	ND		10	3.3	ug/L			12/12/25 17:35	5

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW1R

Lab Sample ID: 480-235192-9

Date Collected: 12/09/25 13:45

Matrix: Water

Date Received: 12/12/25 12:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		12/12/25 17:35	5
4-Bromofluorobenzene (Surr)	95		73 - 120		12/12/25 17:35	5
Dibromofluoromethane (Surr)	103		75 - 123		12/12/25 17:35	5
Toluene-d8 (Surr)	102		80 - 120		12/12/25 17:35	5

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	2400		88	22	ug/L			12/17/25 13:45	22
Ethane	ND		170	33	ug/L			12/17/25 13:45	22
Ethene	ND		150	33	ug/L			12/17/25 13:45	22

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	3.3		0.050	0.019	mg/L		12/15/25 08:22	12/15/25 19:06	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	0.24		0.050	0.019	mg/L		12/15/25 09:14	12/15/25 18:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (EPA 300.0)	14.3		10.0	1.7	mg/L			12/17/25 18:27	5

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW2R

Lab Sample ID: 480-235192-10

Date Collected: 12/09/25 15:40

Matrix: Water

Date Received: 12/12/25 12:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/25 17:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/25 17:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/12/25 17:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/25 17:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/25 17:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/25 17:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/12/25 17:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/12/25 17:57	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/12/25 17:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/12/25 17:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/25 17:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/25 17:57	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/12/25 17:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/12/25 17:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/12/25 17:57	1
2-Hexanone	ND		5.0	1.2	ug/L			12/12/25 17:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/12/25 17:57	1
Acetone	ND		10	3.0	ug/L			12/12/25 17:57	1
Benzene	ND		1.0	0.41	ug/L			12/12/25 17:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/12/25 17:57	1
Bromoform	ND		1.0	0.26	ug/L			12/12/25 17:57	1
Bromomethane	ND		1.0	0.69	ug/L			12/12/25 17:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/12/25 17:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/12/25 17:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/12/25 17:57	1
Chloroethane	ND		1.0	0.32	ug/L			12/12/25 17:57	1
Chloroform	ND		1.0	0.34	ug/L			12/12/25 17:57	1
Chloromethane	ND		1.0	0.35	ug/L			12/12/25 17:57	1
cis-1,2-Dichloroethene	18		1.0	0.81	ug/L			12/12/25 17:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/12/25 17:57	1
Cyclohexane	ND		1.0	0.18	ug/L			12/12/25 17:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/12/25 17:57	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/12/25 17:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/12/25 17:57	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/12/25 17:57	1
Methyl acetate	ND		2.5	1.3	ug/L			12/12/25 17:57	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/12/25 17:57	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/12/25 17:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/12/25 17:57	1
Styrene	ND		1.0	0.73	ug/L			12/12/25 17:57	1
Tetrachloroethene	3.5		1.0	0.36	ug/L			12/12/25 17:57	1
Toluene	ND		1.0	0.51	ug/L			12/12/25 17:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/12/25 17:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/12/25 17:57	1
Trichloroethene	3.6		1.0	0.46	ug/L			12/12/25 17:57	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/12/25 17:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/12/25 17:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/12/25 17:57	1

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW2R

Lab Sample ID: 480-235192-10

Date Collected: 12/09/25 15:40

Matrix: Water

Date Received: 12/12/25 12:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		12/12/25 17:57	1
4-Bromofluorobenzene (Surr)	94		73 - 120		12/12/25 17:57	1
Dibromofluoromethane (Surr)	102		75 - 123		12/12/25 17:57	1
Toluene-d8 (Surr)	101		80 - 120		12/12/25 17:57	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	320		44	11	ug/L			12/17/25 14:04	11
Ethane	ND		83	17	ug/L			12/17/25 14:04	11
Ethene	ND		77	17	ug/L			12/17/25 14:04	11

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.52		0.050	0.019	mg/L		12/15/25 08:22	12/15/25 19:08	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	0.17		0.050	0.019	mg/L		12/15/25 09:14	12/15/25 18:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (EPA 300.0)	15.3	J	20.0	3.5	mg/L			12/17/25 18:41	10

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW3S

Lab Sample ID: 480-235192-11

Date Collected: 12/10/25 10:45

Matrix: Water

Date Received: 12/12/25 12:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2000	1600	ug/L			12/12/25 18:20	2000
1,1,2,2-Tetrachloroethane	ND		2000	420	ug/L			12/12/25 18:20	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2000	620	ug/L			12/12/25 18:20	2000
1,1,2-Trichloroethane	ND		2000	460	ug/L			12/12/25 18:20	2000
1,1-Dichloroethane	ND		2000	760	ug/L			12/12/25 18:20	2000
1,1-Dichloroethene	ND		2000	580	ug/L			12/12/25 18:20	2000
1,2,4-Trichlorobenzene	ND		2000	820	ug/L			12/12/25 18:20	2000
1,2-Dibromo-3-Chloropropane	ND		2000	780	ug/L			12/12/25 18:20	2000
1,2-Dibromoethane	ND		2000	1500	ug/L			12/12/25 18:20	2000
1,2-Dichlorobenzene	ND		2000	1600	ug/L			12/12/25 18:20	2000
1,2-Dichloroethane	ND		2000	420	ug/L			12/12/25 18:20	2000
1,2-Dichloropropane	ND		2000	1400	ug/L			12/12/25 18:20	2000
1,3-Dichlorobenzene	ND		2000	1600	ug/L			12/12/25 18:20	2000
1,4-Dichlorobenzene	ND		2000	1700	ug/L			12/12/25 18:20	2000
2-Butanone (MEK)	ND		20000	2600	ug/L			12/12/25 18:20	2000
2-Hexanone	ND		10000	2500	ug/L			12/12/25 18:20	2000
4-Methyl-2-pentanone (MIBK)	ND		10000	4200	ug/L			12/12/25 18:20	2000
Acetone	ND		20000	6000	ug/L			12/12/25 18:20	2000
Benzene	ND		2000	820	ug/L			12/12/25 18:20	2000
Bromodichloromethane	ND		2000	780	ug/L			12/12/25 18:20	2000
Bromoform	ND		2000	520	ug/L			12/12/25 18:20	2000
Bromomethane	ND		2000	1400	ug/L			12/12/25 18:20	2000
Carbon disulfide	ND		2000	380	ug/L			12/12/25 18:20	2000
Carbon tetrachloride	ND		2000	540	ug/L			12/12/25 18:20	2000
Chlorobenzene	ND		2000	1500	ug/L			12/12/25 18:20	2000
Chloroethane	ND		2000	640	ug/L			12/12/25 18:20	2000
Chloroform	ND		2000	680	ug/L			12/12/25 18:20	2000
Chloromethane	ND		2000	700	ug/L			12/12/25 18:20	2000
cis-1,2-Dichloroethene	71000		2000	1600	ug/L			12/12/25 18:20	2000
cis-1,3-Dichloropropene	ND		2000	720	ug/L			12/12/25 18:20	2000
Cyclohexane	ND		2000	360	ug/L			12/12/25 18:20	2000
Dibromochloromethane	ND		2000	640	ug/L			12/12/25 18:20	2000
Dichlorodifluoromethane	ND		2000	1400	ug/L			12/12/25 18:20	2000
Ethylbenzene	ND		2000	1500	ug/L			12/12/25 18:20	2000
Isopropylbenzene	ND		2000	1600	ug/L			12/12/25 18:20	2000
Methyl acetate	ND		5000	2600	ug/L			12/12/25 18:20	2000
Methyl tert-butyl ether	ND		2000	320	ug/L			12/12/25 18:20	2000
Methylcyclohexane	ND		2000	320	ug/L			12/12/25 18:20	2000
Methylene Chloride	ND		2000	880	ug/L			12/12/25 18:20	2000
Styrene	ND		2000	1500	ug/L			12/12/25 18:20	2000
Tetrachloroethene	ND		2000	720	ug/L			12/12/25 18:20	2000
Toluene	ND		2000	1000	ug/L			12/12/25 18:20	2000
trans-1,2-Dichloroethene	ND		2000	1800	ug/L			12/12/25 18:20	2000
trans-1,3-Dichloropropene	ND		2000	740	ug/L			12/12/25 18:20	2000
Trichloroethene	ND		2000	920	ug/L			12/12/25 18:20	2000
Trichlorofluoromethane	ND		2000	1800	ug/L			12/12/25 18:20	2000
Vinyl chloride	60000		2000	1800	ug/L			12/12/25 18:20	2000
Xylenes, Total	ND		4000	1300	ug/L			12/12/25 18:20	2000

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW3S

Lab Sample ID: 480-235192-11

Date Collected: 12/10/25 10:45

Matrix: Water

Date Received: 12/12/25 12:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		12/12/25 18:20	2000
4-Bromofluorobenzene (Surr)	93		73 - 120		12/12/25 18:20	2000
Dibromofluoromethane (Surr)	102		75 - 123		12/12/25 18:20	2000
Toluene-d8 (Surr)	101		80 - 120		12/12/25 18:20	2000

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	6900		350	88	ug/L			12/17/25 14:23	88
Ethane	820		660	130	ug/L			12/17/25 14:23	88
Ethene	26000		620	130	ug/L			12/17/25 14:23	88

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 11:24	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.2	0.81	ng/L		12/15/25 16:28	12/22/25 11:24	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.2	0.81	ng/L		12/15/25 16:28	12/22/25 11:24	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.2	0.81	ng/L		12/15/25 16:28	12/22/25 11:24	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.1	2.0	ng/L		12/15/25 16:28	12/22/25 11:24	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	8.0 J		8.1	2.3	ng/L		12/15/25 16:28	12/22/25 11:24	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.2	0.81	ng/L		12/15/25 16:28	12/22/25 11:24	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 11:24	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 11:24	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		12/15/25 16:28	12/22/25 11:24	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 11:24	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.1	3.2	ng/L		12/15/25 16:28	12/22/25 11:24	1
N-ethylperfluorooctanesulfonamidoac etic acid (NEtFOSAA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 11:24	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 11:24	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.1	2.0	ng/L		12/15/25 16:28	12/22/25 11:24	1
N-methylperfluorooctanesulfona midoacetic acid (NMeFOSAA)	1.3 J		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 11:24	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 11:24	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 11:24	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 11:24	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 11:24	1
Perfluorobutanesulfonic acid (PFBS)	7.1		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 11:24	1
Perfluorobutanoic acid (PFBA)	13		3.2	0.89	ng/L		12/15/25 16:28	12/22/25 11:24	1

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW3S

Lab Sample ID: 480-235192-11

Date Collected: 12/10/25 10:45

Matrix: Water

Date Received: 12/12/25 12:00

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 11:24	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 11:24	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.49	ng/L		12/15/25 16:28	12/22/25 11:24	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 11:24	1
Perfluoroheptanesulfonic acid (PFHpS)	1.5	J	1.6	0.41	ng/L		12/15/25 16:28	12/22/25 11:24	1
Perfluoroheptanoic acid (PFHpA)	12		1.6	0.65	ng/L		12/15/25 16:28	12/22/25 11:24	1
Perfluorohexanesulfonic acid (PFHxS)	9.2		1.6	0.65	ng/L		12/15/25 16:28	12/22/25 11:24	1
Perfluorohexanoic acid (PFHxA)	21		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 11:24	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 11:24	1
Perfluorononanoic acid (PFNA)	1.8		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 11:24	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 11:24	1
Perfluorooctanesulfonic acid (PFOS)	39		1.6	1.1	ng/L		12/15/25 16:28	12/22/25 11:24	1
Perfluorooctanoic acid (PFOA)	33		1.6	0.73	ng/L		12/15/25 16:28	12/22/25 11:24	1
Perfluoropentanesulfonic acid (PFPeS)	2.7		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 11:24	1
Perfluoropentanoic acid (PFPeA)	19		1.6	0.49	ng/L		12/15/25 16:28	12/22/25 11:24	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 11:24	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 11:24	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 11:24	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 4:2 FTS	220	*5+	40 - 200	12/15/25 16:28	12/22/25 11:24	1
13C2 6:2 FTS	173		40 - 200	12/15/25 16:28	12/22/25 11:24	1
13C2 8:2 FTS	110		40 - 300	12/15/25 16:28	12/22/25 11:24	1
13C2 PFDoA	47.5		10 - 130	12/15/25 16:28	12/22/25 11:24	1
13C2 PFTeDA	41.2		10 - 130	12/15/25 16:28	12/22/25 11:24	1
13C3 HFPO-DA	77.9		40 - 130	12/15/25 16:28	12/22/25 11:24	1
13C3 PFBS	95.7		40 - 135	12/15/25 16:28	12/22/25 11:24	1
13C3 PFHxS	96.1		40 - 130	12/15/25 16:28	12/22/25 11:24	1
13C4 PFBA	83.9		5 - 130	12/15/25 16:28	12/22/25 11:24	1
13C4 PFHpA	87.4		40 - 130	12/15/25 16:28	12/22/25 11:24	1
13C5 PFHxA	96.8		40 - 130	12/15/25 16:28	12/22/25 11:24	1
13C5 PFPeA	56.0		40 - 130	12/15/25 16:28	12/22/25 11:24	1
13C6 PFDA	59.9		40 - 130	12/15/25 16:28	12/22/25 11:24	1
13C7 PFUnA	53.8		30 - 130	12/15/25 16:28	12/22/25 11:24	1
13C8 FOSA	63.9		40 - 130	12/15/25 16:28	12/22/25 11:24	1
13C8 PFOA	96.7		40 - 130	12/15/25 16:28	12/22/25 11:24	1
13C8 PFOS	70.9		40 - 130	12/15/25 16:28	12/22/25 11:24	1
13C9 PFNA	82.3		40 - 130	12/15/25 16:28	12/22/25 11:24	1
d3-NMeFOSAA	47.6		40 - 170	12/15/25 16:28	12/22/25 11:24	1
d3-NMePFOSA	44.0		10 - 130	12/15/25 16:28	12/22/25 11:24	1
d5-NEtFOSAA	41.1		25 - 135	12/15/25 16:28	12/22/25 11:24	1
d5-NEtPFOSA	41.5		10 - 130	12/15/25 16:28	12/22/25 11:24	1
d7-N-MeFOSE-M	28.3		10 - 130	12/15/25 16:28	12/22/25 11:24	1
d9-N-EtFOSE-M	26.2		10 - 130	12/15/25 16:28	12/22/25 11:24	1

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW3S

Lab Sample ID: 480-235192-11

Date Collected: 12/10/25 10:45

Matrix: Water

Date Received: 12/12/25 12:00

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	85.1		0.050	0.019	mg/L		12/15/25 08:22	12/15/25 19:17	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	81.4	B	0.050	0.019	mg/L		12/15/25 09:14	12/15/25 18:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (EPA 300.0)	ND		20.0	3.5	mg/L			12/17/25 18:56	10

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW3I

Lab Sample ID: 480-235192-12

Date Collected: 12/10/25 13:00

Matrix: Water

Date Received: 12/12/25 12:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/25 18:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/25 18:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/12/25 18:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/25 18:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/25 18:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/25 18:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/12/25 18:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/12/25 18:42	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/12/25 18:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/12/25 18:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/25 18:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/25 18:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/12/25 18:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/12/25 18:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/12/25 18:42	1
2-Hexanone	ND		5.0	1.2	ug/L			12/12/25 18:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/12/25 18:42	1
Acetone	ND		10	3.0	ug/L			12/12/25 18:42	1
Benzene	ND		1.0	0.41	ug/L			12/12/25 18:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/12/25 18:42	1
Bromoform	ND		1.0	0.26	ug/L			12/12/25 18:42	1
Bromomethane	ND		1.0	0.69	ug/L			12/12/25 18:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/12/25 18:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/12/25 18:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/12/25 18:42	1
Chloroethane	ND		1.0	0.32	ug/L			12/12/25 18:42	1
Chloroform	ND		1.0	0.34	ug/L			12/12/25 18:42	1
Chloromethane	ND		1.0	0.35	ug/L			12/12/25 18:42	1
cis-1,2-Dichloroethene	25		1.0	0.81	ug/L			12/12/25 18:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/12/25 18:42	1
Cyclohexane	ND		1.0	0.18	ug/L			12/12/25 18:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/12/25 18:42	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/12/25 18:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/12/25 18:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/12/25 18:42	1
Methyl acetate	ND		2.5	1.3	ug/L			12/12/25 18:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/12/25 18:42	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/12/25 18:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/12/25 18:42	1
Styrene	ND		1.0	0.73	ug/L			12/12/25 18:42	1
Tetrachloroethene	1.7		1.0	0.36	ug/L			12/12/25 18:42	1
Toluene	ND		1.0	0.51	ug/L			12/12/25 18:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/12/25 18:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/12/25 18:42	1
Trichloroethene	2.2		1.0	0.46	ug/L			12/12/25 18:42	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/12/25 18:42	1
Vinyl chloride	11		1.0	0.90	ug/L			12/12/25 18:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/12/25 18:42	1

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW3I

Lab Sample ID: 480-235192-12

Date Collected: 12/10/25 13:00

Matrix: Water

Date Received: 12/12/25 12:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		12/12/25 18:42	1
4-Bromofluorobenzene (Surr)	97		73 - 120		12/12/25 18:42	1
Dibromofluoromethane (Surr)	102		75 - 123		12/12/25 18:42	1
Toluene-d8 (Surr)	101		80 - 120		12/12/25 18:42	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	93		7.5	1.5	ug/L			12/17/25 14:42	1
Ethene	6.5	J	7.0	1.5	ug/L			12/17/25 14:42	1

Method: RSK-175 - Dissolved Gases (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	1300		88	22	ug/L			12/18/25 10:31	22

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.4	0.36	ng/L		12/15/25 16:28	12/22/25 11:38	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.9	0.71	ng/L		12/15/25 16:28	12/22/25 11:38	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.9	0.71	ng/L		12/15/25 16:28	12/22/25 11:38	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.9	0.71	ng/L		12/15/25 16:28	12/22/25 11:38	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		7.1	1.8	ng/L		12/15/25 16:28	12/22/25 11:38	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		7.1	2.0	ng/L		12/15/25 16:28	12/22/25 11:38	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		2.9	0.71	ng/L		12/15/25 16:28	12/22/25 11:38	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.4	0.36	ng/L		12/15/25 16:28	12/22/25 11:38	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.4	0.36	ng/L		12/15/25 16:28	12/22/25 11:38	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.4	1.0	ng/L		12/15/25 16:28	12/22/25 11:38	1
N-ethylperfluorooctane sulfonamide (NETFOSA)	ND		1.4	0.36	ng/L		12/15/25 16:28	12/22/25 11:38	1
N-ethylperfluorooctane sulfonamidoethanol (NETFOSE)	ND		7.1	2.9	ng/L		12/15/25 16:28	12/22/25 11:38	1
N-ethylperfluorooctanesulfonamidoac etic acid (NETFOSAA)	ND		1.4	0.36	ng/L		12/15/25 16:28	12/22/25 11:38	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.4	0.36	ng/L		12/15/25 16:28	12/22/25 11:38	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.1	1.8	ng/L		12/15/25 16:28	12/22/25 11:38	1
N-methylperfluorooctanesulfona midoacetic acid (NMeFOSAA)	0.47	J	1.4	0.36	ng/L		12/15/25 16:28	12/22/25 11:38	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.4	0.36	ng/L		12/15/25 16:28	12/22/25 11:38	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.4	0.36	ng/L		12/15/25 16:28	12/22/25 11:38	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.4	0.36	ng/L		12/15/25 16:28	12/22/25 11:38	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.4	0.36	ng/L		12/15/25 16:28	12/22/25 11:38	1

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW3I

Lab Sample ID: 480-235192-12

Date Collected: 12/10/25 13:00

Matrix: Water

Date Received: 12/12/25 12:00

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	1.2	J	1.4	0.36	ng/L		12/15/25 16:28	12/22/25 11:38	1
Perfluorobutanoic acid (PFBA)	3.3		2.9	0.79	ng/L		12/15/25 16:28	12/22/25 11:38	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.4	0.36	ng/L		12/15/25 16:28	12/22/25 11:38	1
Perfluorodecanoic acid (PFDA)	0.40	J	1.4	0.36	ng/L		12/15/25 16:28	12/22/25 11:38	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.4	0.43	ng/L		12/15/25 16:28	12/22/25 11:38	1
Perfluorododecanoic acid (PFDoA)	ND		1.4	0.36	ng/L		12/15/25 16:28	12/22/25 11:38	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.4	0.36	ng/L		12/15/25 16:28	12/22/25 11:38	1
Perfluoroheptanoic acid (PFHpA)	1.1	J	1.4	0.57	ng/L		12/15/25 16:28	12/22/25 11:38	1
Perfluorohexanesulfonic acid (PFHxS)	1.2	J	1.4	0.57	ng/L		12/15/25 16:28	12/22/25 11:38	1
Perfluorohexanoic acid (PFHxA)	2.4		1.4	0.36	ng/L		12/15/25 16:28	12/22/25 11:38	1
Perfluorononanesulfonic acid (PFNS)	ND		1.4	0.36	ng/L		12/15/25 16:28	12/22/25 11:38	1
Perfluorononanoic acid (PFNA)	0.60	J	1.4	0.36	ng/L		12/15/25 16:28	12/22/25 11:38	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.4	0.36	ng/L		12/15/25 16:28	12/22/25 11:38	1
Perfluorooctanesulfonic acid (PFOS)	28		1.4	0.93	ng/L		12/15/25 16:28	12/22/25 11:38	1
Perfluorooctanoic acid (PFOA)	2.4		1.4	0.64	ng/L		12/15/25 16:28	12/22/25 11:38	1
Perfluoropentanesulfonic acid (PFPeS)	0.38	J	1.4	0.36	ng/L		12/15/25 16:28	12/22/25 11:38	1
Perfluoropentanoic acid (PFPeA)	4.0		1.4	0.43	ng/L		12/15/25 16:28	12/22/25 11:38	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.4	0.36	ng/L		12/15/25 16:28	12/22/25 11:38	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.4	0.36	ng/L		12/15/25 16:28	12/22/25 11:38	1
Perfluoroundecanoic acid (PFUnA)	ND		1.4	0.36	ng/L		12/15/25 16:28	12/22/25 11:38	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 4:2 FTS	151		40 - 200	12/15/25 16:28	12/22/25 11:38	1
13C2 6:2 FTS	116		40 - 200	12/15/25 16:28	12/22/25 11:38	1
13C2 8:2 FTS	159		40 - 300	12/15/25 16:28	12/22/25 11:38	1
13C2 PFDoA	80.5		10 - 130	12/15/25 16:28	12/22/25 11:38	1
13C2 PFTeDA	68.8		10 - 130	12/15/25 16:28	12/22/25 11:38	1
13C3 HFPO-DA	89.7		40 - 130	12/15/25 16:28	12/22/25 11:38	1
13C3 PFBS	104		40 - 135	12/15/25 16:28	12/22/25 11:38	1
13C3 PFHxS	98.7		40 - 130	12/15/25 16:28	12/22/25 11:38	1
13C4 PFBA	91.7		5 - 130	12/15/25 16:28	12/22/25 11:38	1
13C4 PFHpA	95.3		40 - 130	12/15/25 16:28	12/22/25 11:38	1
13C5 PFHxA	96.5		40 - 130	12/15/25 16:28	12/22/25 11:38	1
13C5 PFPeA	96.1		40 - 130	12/15/25 16:28	12/22/25 11:38	1
13C6 PFDA	87.1		40 - 130	12/15/25 16:28	12/22/25 11:38	1
13C7 PFUnA	86.3		30 - 130	12/15/25 16:28	12/22/25 11:38	1
13C8 FOSA	89.1		40 - 130	12/15/25 16:28	12/22/25 11:38	1
13C8 PFOA	98.6		40 - 130	12/15/25 16:28	12/22/25 11:38	1
13C8 PFOS	104		40 - 130	12/15/25 16:28	12/22/25 11:38	1
13C9 PFNA	94.5		40 - 130	12/15/25 16:28	12/22/25 11:38	1
d3-NMeFOSAA	72.6		40 - 170	12/15/25 16:28	12/22/25 11:38	1
d3-NMePFOSA	70.6		10 - 130	12/15/25 16:28	12/22/25 11:38	1
d5-NEtFOSAA	60.1		25 - 135	12/15/25 16:28	12/22/25 11:38	1
d5-NEtPFOSA	68.9		10 - 130	12/15/25 16:28	12/22/25 11:38	1
d7-N-MeFOSE-M	48.4		10 - 130	12/15/25 16:28	12/22/25 11:38	1
d9-N-EtFOSE-M	42.2		10 - 130	12/15/25 16:28	12/22/25 11:38	1

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW3I

Lab Sample ID: 480-235192-12

Date Collected: 12/10/25 13:00

Matrix: Water

Date Received: 12/12/25 12:00

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1.3		0.050	0.019	mg/L	—	12/15/25 08:22	12/15/25 19:19	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	0.54		0.050	0.019	mg/L	—	12/15/25 09:14	12/15/25 18:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (EPA 300.0)	73.5		10.0	1.7	mg/L	—		12/17/25 19:11	5

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW4S

Lab Sample ID: 480-235192-13

Date Collected: 12/11/25 10:35

Matrix: Water

Date Received: 12/12/25 12:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		400	330	ug/L			12/15/25 17:01	400
1,1,2,2-Tetrachloroethane	ND		400	84	ug/L			12/15/25 17:01	400
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		400	120	ug/L			12/15/25 17:01	400
1,1,2-Trichloroethane	ND		400	92	ug/L			12/15/25 17:01	400
1,1-Dichloroethane	ND		400	150	ug/L			12/15/25 17:01	400
1,1-Dichloroethene	ND		400	120	ug/L			12/15/25 17:01	400
1,2,4-Trichlorobenzene	ND		400	160	ug/L			12/15/25 17:01	400
1,2-Dibromo-3-Chloropropane	ND		400	160	ug/L			12/15/25 17:01	400
1,2-Dibromoethane	ND		400	290	ug/L			12/15/25 17:01	400
1,2-Dichlorobenzene	ND		400	320	ug/L			12/15/25 17:01	400
1,2-Dichloroethane	ND		400	84	ug/L			12/15/25 17:01	400
1,2-Dichloropropane	ND		400	290	ug/L			12/15/25 17:01	400
1,3-Dichlorobenzene	ND		400	310	ug/L			12/15/25 17:01	400
1,4-Dichlorobenzene	ND		400	340	ug/L			12/15/25 17:01	400
2-Butanone (MEK)	ND		4000	530	ug/L			12/15/25 17:01	400
2-Hexanone	ND		2000	500	ug/L			12/15/25 17:01	400
4-Methyl-2-pentanone (MIBK)	ND		2000	840	ug/L			12/15/25 17:01	400
Acetone	ND		4000	1200	ug/L			12/15/25 17:01	400
Benzene	ND		400	160	ug/L			12/15/25 17:01	400
Bromodichloromethane	ND		400	160	ug/L			12/15/25 17:01	400
Bromoform	ND		400	100	ug/L			12/15/25 17:01	400
Bromomethane	ND		400	280	ug/L			12/15/25 17:01	400
Carbon disulfide	ND		400	76	ug/L			12/15/25 17:01	400
Carbon tetrachloride	ND	*+	400	110	ug/L			12/15/25 17:01	400
Chlorobenzene	ND		400	300	ug/L			12/15/25 17:01	400
Chloroethane	ND		400	130	ug/L			12/15/25 17:01	400
Chloroform	ND		400	140	ug/L			12/15/25 17:01	400
Chloromethane	ND		400	140	ug/L			12/15/25 17:01	400
cis-1,2-Dichloroethene	2400		400	320	ug/L			12/15/25 17:01	400
cis-1,3-Dichloropropene	ND		400	140	ug/L			12/15/25 17:01	400
Cyclohexane	ND		400	72	ug/L			12/15/25 17:01	400
Dibromochloromethane	ND		400	130	ug/L			12/15/25 17:01	400
Dichlorodifluoromethane	ND	*+	400	270	ug/L			12/15/25 17:01	400
Ethylbenzene	ND		400	300	ug/L			12/15/25 17:01	400
Isopropylbenzene	ND		400	320	ug/L			12/15/25 17:01	400
Methyl acetate	ND		1000	520	ug/L			12/15/25 17:01	400
Methyl tert-butyl ether	ND		400	64	ug/L			12/15/25 17:01	400
Methylcyclohexane	ND		400	64	ug/L			12/15/25 17:01	400
Methylene Chloride	ND		400	180	ug/L			12/15/25 17:01	400
Styrene	ND		400	290	ug/L			12/15/25 17:01	400
Tetrachloroethene	31000		400	140	ug/L			12/15/25 17:01	400
Toluene	ND		400	200	ug/L			12/15/25 17:01	400
trans-1,2-Dichloroethene	ND		400	360	ug/L			12/15/25 17:01	400
trans-1,3-Dichloropropene	ND		400	150	ug/L			12/15/25 17:01	400
Trichloroethene	1200		400	180	ug/L			12/15/25 17:01	400
Trichlorofluoromethane	ND		400	350	ug/L			12/15/25 17:01	400
Vinyl chloride	ND		400	360	ug/L			12/15/25 17:01	400
Xylenes, Total	ND		800	260	ug/L			12/15/25 17:01	400

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW4S

Date Collected: 12/11/25 10:35

Date Received: 12/12/25 12:00

Lab Sample ID: 480-235192-13

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		12/15/25 17:01	400
4-Bromofluorobenzene (Surr)	103		73 - 120		12/15/25 17:01	400
Dibromofluoromethane (Surr)	108		75 - 123		12/15/25 17:01	400
Toluene-d8 (Surr)	99		80 - 120		12/15/25 17:01	400

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	1400		180	44	ug/L			12/17/25 15:01	44
Ethane	ND		330	66	ug/L			12/17/25 15:01	44
Ethene	ND		310	66	ug/L			12/17/25 15:01	44

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.45	ng/L		12/15/25 16:28	12/22/25 11:52	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.6	0.90	ng/L		12/15/25 16:28	12/22/25 11:52	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.6	0.90	ng/L		12/15/25 16:28	12/22/25 11:52	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.6	0.90	ng/L		12/15/25 16:28	12/22/25 11:52	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		9.0	2.2	ng/L		12/15/25 16:28	12/22/25 11:52	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		9.0	2.5	ng/L		12/15/25 16:28	12/22/25 11:52	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.6	0.90	ng/L		12/15/25 16:28	12/22/25 11:52	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.45	ng/L		12/15/25 16:28	12/22/25 11:52	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.45	ng/L		12/15/25 16:28	12/22/25 11:52	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.3	ng/L		12/15/25 16:28	12/22/25 11:52	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.8	0.45	ng/L		12/15/25 16:28	12/22/25 11:52	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		9.0	3.6	ng/L		12/15/25 16:28	12/22/25 11:52	1
N-ethylperfluorooctanesulfonamidoac etic acid (NEtFOSAA)	ND		1.8	0.45	ng/L		12/15/25 16:28	12/22/25 11:52	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.8	0.45	ng/L		12/15/25 16:28	12/22/25 11:52	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		9.0	2.2	ng/L		12/15/25 16:28	12/22/25 11:52	1
N-methylperfluorooctanesulfonamidoa cetic acid (NMeFOSAA)	ND		1.8	0.45	ng/L		12/15/25 16:28	12/22/25 11:52	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.45	ng/L		12/15/25 16:28	12/22/25 11:52	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		1.8	0.45	ng/L		12/15/25 16:28	12/22/25 11:52	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.45	ng/L		12/15/25 16:28	12/22/25 11:52	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.45	ng/L		12/15/25 16:28	12/22/25 11:52	1
Perfluorobutanesulfonic acid (PFBS)	2.9		1.8	0.45	ng/L		12/15/25 16:28	12/22/25 11:52	1
Perfluorobutanoic acid (PFBA)	5.8		3.6	0.99	ng/L		12/15/25 16:28	12/22/25 11:52	1

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW4S

Lab Sample ID: 480-235192-13

Date Collected: 12/11/25 10:35

Matrix: Water

Date Received: 12/12/25 12:00

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.45	ng/L		12/15/25 16:28	12/22/25 11:52	1
Perfluorodecanoic acid (PFDA)	2.1		1.8	0.45	ng/L		12/15/25 16:28	12/22/25 11:52	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.54	ng/L		12/15/25 16:28	12/22/25 11:52	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.45	ng/L		12/15/25 16:28	12/22/25 11:52	1
Perfluoroheptanesulfonic acid (PFHpS)	0.45 J		1.8	0.45	ng/L		12/15/25 16:28	12/22/25 11:52	1
Perfluoroheptanoic acid (PFHpA)	4.1		1.8	0.72	ng/L		12/15/25 16:28	12/22/25 11:52	1
Perfluorohexanesulfonic acid (PFHxS)	2.3		1.8	0.72	ng/L		12/15/25 16:28	12/22/25 11:52	1
Perfluorohexanoic acid (PFHxA)	5.5		1.8	0.45	ng/L		12/15/25 16:28	12/22/25 11:52	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.45	ng/L		12/15/25 16:28	12/22/25 11:52	1
Perfluorononanoic acid (PFNA)	3.7 I		1.8	0.45	ng/L		12/15/25 16:28	12/22/25 11:52	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.45	ng/L		12/15/25 16:28	12/22/25 11:52	1
Perfluorooctanesulfonic acid (PFOS)	28		1.8	1.2	ng/L		12/15/25 16:28	12/22/25 11:52	1
Perfluorooctanoic acid (PFOA)	12		1.8	0.81	ng/L		12/15/25 16:28	12/22/25 11:52	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.45	ng/L		12/15/25 16:28	12/22/25 11:52	1
Perfluoropentanoic acid (PFPeA)	6.7		1.8	0.54	ng/L		12/15/25 16:28	12/22/25 11:52	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.45	ng/L		12/15/25 16:28	12/22/25 11:52	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.8	0.45	ng/L		12/15/25 16:28	12/22/25 11:52	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.45	ng/L		12/15/25 16:28	12/22/25 11:52	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 4:2 FTS	225	*5+	40 - 200	12/15/25 16:28	12/22/25 11:52	1
13C2 6:2 FTS	174		40 - 200	12/15/25 16:28	12/22/25 11:52	1
13C2 8:2 FTS	169		40 - 300	12/15/25 16:28	12/22/25 11:52	1
13C2 PFDoA	81.5		10 - 130	12/15/25 16:28	12/22/25 11:52	1
13C2 PFTeDA	67.8		10 - 130	12/15/25 16:28	12/22/25 11:52	1
13C3 HFPO-DA	92.6		40 - 130	12/15/25 16:28	12/22/25 11:52	1
13C3 PFBS	105		40 - 135	12/15/25 16:28	12/22/25 11:52	1
13C3 PFHxS	112		40 - 130	12/15/25 16:28	12/22/25 11:52	1
13C4 PFBA	93.5		5 - 130	12/15/25 16:28	12/22/25 11:52	1
13C4 PFHpA	105		40 - 130	12/15/25 16:28	12/22/25 11:52	1
13C5 PFHxA	102		40 - 130	12/15/25 16:28	12/22/25 11:52	1
13C5 PFPeA	108		40 - 130	12/15/25 16:28	12/22/25 11:52	1
13C6 PFDA	101		40 - 130	12/15/25 16:28	12/22/25 11:52	1
13C7 PFUnA	90.5		30 - 130	12/15/25 16:28	12/22/25 11:52	1
13C8 FOSA	95.3		40 - 130	12/15/25 16:28	12/22/25 11:52	1
13C8 PFOA	110		40 - 130	12/15/25 16:28	12/22/25 11:52	1
13C8 PFOS	101		40 - 130	12/15/25 16:28	12/22/25 11:52	1
13C9 PFNA	105		40 - 130	12/15/25 16:28	12/22/25 11:52	1
d3-NMeFOSAA	82.2		40 - 170	12/15/25 16:28	12/22/25 11:52	1
d3-NMePFOSA	76.1		10 - 130	12/15/25 16:28	12/22/25 11:52	1
d5-NEtFOSAA	67.5		25 - 135	12/15/25 16:28	12/22/25 11:52	1
d5-NEtPFOSA	73.2		10 - 130	12/15/25 16:28	12/22/25 11:52	1
d7-N-MeFOSE-M	50.5		10 - 130	12/15/25 16:28	12/22/25 11:52	1
d9-N-EtFOSE-M	41.0		10 - 130	12/15/25 16:28	12/22/25 11:52	1

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW4S

Lab Sample ID: 480-235192-13

Date Collected: 12/11/25 10:35

Matrix: Water

Date Received: 12/12/25 12:00

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.66		0.050	0.019	mg/L	—	12/15/25 08:22	12/15/25 19:21	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	0.11		0.050	0.019	mg/L	—	12/15/25 09:14	12/15/25 18:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (EPA 300.0)	146		10.0	1.7	mg/L	—		12/17/25 19:25	5

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW4I

Lab Sample ID: 480-235192-14

Date Collected: 12/11/25 13:20

Matrix: Water

Date Received: 12/12/25 12:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	33	ug/L			12/12/25 19:26	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			12/12/25 19:26	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12	ug/L			12/12/25 19:26	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			12/12/25 19:26	40
1,1-Dichloroethane	ND		40	15	ug/L			12/12/25 19:26	40
1,1-Dichloroethene	28	J	40	12	ug/L			12/12/25 19:26	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			12/12/25 19:26	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			12/12/25 19:26	40
1,2-Dibromoethane	ND		40	29	ug/L			12/12/25 19:26	40
1,2-Dichlorobenzene	ND		40	32	ug/L			12/12/25 19:26	40
1,2-Dichloroethane	ND		40	8.4	ug/L			12/12/25 19:26	40
1,2-Dichloropropane	ND		40	29	ug/L			12/12/25 19:26	40
1,3-Dichlorobenzene	ND		40	31	ug/L			12/12/25 19:26	40
1,4-Dichlorobenzene	ND		40	34	ug/L			12/12/25 19:26	40
2-Butanone (MEK)	ND		400	53	ug/L			12/12/25 19:26	40
2-Hexanone	ND		200	50	ug/L			12/12/25 19:26	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			12/12/25 19:26	40
Acetone	ND		400	120	ug/L			12/12/25 19:26	40
Benzene	ND		40	16	ug/L			12/12/25 19:26	40
Bromodichloromethane	ND		40	16	ug/L			12/12/25 19:26	40
Bromoform	ND		40	10	ug/L			12/12/25 19:26	40
Bromomethane	ND		40	28	ug/L			12/12/25 19:26	40
Carbon disulfide	ND		40	7.6	ug/L			12/12/25 19:26	40
Carbon tetrachloride	ND		40	11	ug/L			12/12/25 19:26	40
Chlorobenzene	ND		40	30	ug/L			12/12/25 19:26	40
Chloroethane	ND		40	13	ug/L			12/12/25 19:26	40
Chloroform	ND		40	14	ug/L			12/12/25 19:26	40
Chloromethane	ND		40	14	ug/L			12/12/25 19:26	40
cis-1,2-Dichloroethene	2900		40	32	ug/L			12/12/25 19:26	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			12/12/25 19:26	40
Cyclohexane	ND		40	7.2	ug/L			12/12/25 19:26	40
Dibromochloromethane	ND		40	13	ug/L			12/12/25 19:26	40
Dichlorodifluoromethane	ND		40	27	ug/L			12/12/25 19:26	40
Ethylbenzene	ND		40	30	ug/L			12/12/25 19:26	40
Isopropylbenzene	ND		40	32	ug/L			12/12/25 19:26	40
Methyl acetate	ND		100	52	ug/L			12/12/25 19:26	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			12/12/25 19:26	40
Methylcyclohexane	ND		40	6.4	ug/L			12/12/25 19:26	40
Methylene Chloride	ND		40	18	ug/L			12/12/25 19:26	40
Styrene	ND		40	29	ug/L			12/12/25 19:26	40
Tetrachloroethene	14	J	40	14	ug/L			12/12/25 19:26	40
Toluene	ND		40	20	ug/L			12/12/25 19:26	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			12/12/25 19:26	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			12/12/25 19:26	40
Trichloroethene	ND		40	18	ug/L			12/12/25 19:26	40
Trichlorofluoromethane	ND		40	35	ug/L			12/12/25 19:26	40
Vinyl chloride	440		40	36	ug/L			12/12/25 19:26	40
Xylenes, Total	ND		80	26	ug/L			12/12/25 19:26	40

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW4I

Lab Sample ID: 480-235192-14

Date Collected: 12/11/25 13:20

Matrix: Water

Date Received: 12/12/25 12:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		12/12/25 19:26	40
4-Bromofluorobenzene (Surr)	96		73 - 120		12/12/25 19:26	40
Dibromofluoromethane (Surr)	102		75 - 123		12/12/25 19:26	40
Toluene-d8 (Surr)	100		80 - 120		12/12/25 19:26	40

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	1800		44	11	ug/L			12/17/25 15:20	11
Ethane	ND		83	17	ug/L			12/17/25 15:20	11
Ethene	54	J	77	17	ug/L			12/17/25 15:20	11

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 13:00	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.3	0.82	ng/L		12/15/25 16:28	12/22/25 13:00	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.3	0.82	ng/L		12/15/25 16:28	12/22/25 13:00	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.3	0.82	ng/L		12/15/25 16:28	12/22/25 13:00	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.2	2.1	ng/L		12/15/25 16:28	12/22/25 13:00	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.2	2.3	ng/L		12/15/25 16:28	12/22/25 13:00	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.3	0.82	ng/L		12/15/25 16:28	12/22/25 13:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 13:00	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 13:00	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.2	ng/L		12/15/25 16:28	12/22/25 13:00	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 13:00	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.2	3.3	ng/L		12/15/25 16:28	12/22/25 13:00	1
N-ethylperfluorooctanesulfonamidoac etic acid (NEtFOSAA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 13:00	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 13:00	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.2	2.1	ng/L		12/15/25 16:28	12/22/25 13:00	1
N-methylperfluorooctanesulfonamidoa cetic acid (NMeFOSAA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 13:00	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 13:00	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 13:00	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 13:00	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 13:00	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 13:00	1
Perfluorobutanoic acid (PFBA)	1.1	J	3.3	0.90	ng/L		12/15/25 16:28	12/22/25 13:00	1

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW4I

Lab Sample ID: 480-235192-14

Date Collected: 12/11/25 13:20

Matrix: Water

Date Received: 12/12/25 12:00

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 13:00	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 13:00	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.49	ng/L		12/15/25 16:28	12/22/25 13:00	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 13:00	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 13:00	1
Perfluoroheptanoic acid (PFHpA)	ND		1.6	0.66	ng/L		12/15/25 16:28	12/22/25 13:00	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.66	ng/L		12/15/25 16:28	12/22/25 13:00	1
Perfluorohexanoic acid (PFHxA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 13:00	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 13:00	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 13:00	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 13:00	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.6	1.1	ng/L		12/15/25 16:28	12/22/25 13:00	1
Perfluorooctanoic acid (PFOA)	ND		1.6	0.74	ng/L		12/15/25 16:28	12/22/25 13:00	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 13:00	1
Perfluoropentanoic acid (PFPeA)	ND		1.6	0.49	ng/L		12/15/25 16:28	12/22/25 13:00	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 13:00	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 13:00	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.41	ng/L		12/15/25 16:28	12/22/25 13:00	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 4:2 FTS	118		40 - 200	12/15/25 16:28	12/22/25 13:00	1
13C2 6:2 FTS	147		40 - 200	12/15/25 16:28	12/22/25 13:00	1
13C2 8:2 FTS	191		40 - 300	12/15/25 16:28	12/22/25 13:00	1
13C2 PFDoA	89.9		10 - 130	12/15/25 16:28	12/22/25 13:00	1
13C2 PFTeDA	79.7		10 - 130	12/15/25 16:28	12/22/25 13:00	1
13C3 HFPO-DA	92.9		40 - 130	12/15/25 16:28	12/22/25 13:00	1
13C3 PFBS	97.0		40 - 135	12/15/25 16:28	12/22/25 13:00	1
13C3 PFHxS	110		40 - 130	12/15/25 16:28	12/22/25 13:00	1
13C4 PFBA	95.0		5 - 130	12/15/25 16:28	12/22/25 13:00	1
13C4 PFHpA	101		40 - 130	12/15/25 16:28	12/22/25 13:00	1
13C5 PFHxA	97.5		40 - 130	12/15/25 16:28	12/22/25 13:00	1
13C5 PFPeA	104		40 - 130	12/15/25 16:28	12/22/25 13:00	1
13C6 PFDA	102		40 - 130	12/15/25 16:28	12/22/25 13:00	1
13C7 PFUnA	102		30 - 130	12/15/25 16:28	12/22/25 13:00	1
13C8 FOSA	92.6		40 - 130	12/15/25 16:28	12/22/25 13:00	1
13C8 PFOA	101		40 - 130	12/15/25 16:28	12/22/25 13:00	1
13C8 PFOS	118		40 - 130	12/15/25 16:28	12/22/25 13:00	1
13C9 PFNA	97.5		40 - 130	12/15/25 16:28	12/22/25 13:00	1
d3-NMeFOSAA	82.7		40 - 170	12/15/25 16:28	12/22/25 13:00	1
d3-NMePFOSA	80.4		10 - 130	12/15/25 16:28	12/22/25 13:00	1
d5-NEtFOSAA	68.0		25 - 135	12/15/25 16:28	12/22/25 13:00	1
d5-NEtPFOSA	76.2		10 - 130	12/15/25 16:28	12/22/25 13:00	1
d7-N-MeFOSE-M	59.9		10 - 130	12/15/25 16:28	12/22/25 13:00	1
d9-N-EtFOSE-M	45.7		10 - 130	12/15/25 16:28	12/22/25 13:00	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1.4		0.050	0.019	mg/L		12/15/25 08:22	12/15/25 19:29	1

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW4I

Lab Sample ID: 480-235192-14

Date Collected: 12/11/25 13:20

Matrix: Water

Date Received: 12/12/25 12:00

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	1.4		0.050	0.019	mg/L		12/15/25 09:14	12/15/25 18:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (EPA 300.0)	134		10.0	1.7	mg/L			12/17/25 19:40	5

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW5S

Lab Sample ID: 480-235192-15

Date Collected: 12/11/25 15:35

Matrix: Water

Date Received: 12/12/25 12:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			12/12/25 19:49	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			12/12/25 19:49	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			12/12/25 19:49	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			12/12/25 19:49	20
1,1-Dichloroethane	ND		20	7.6	ug/L			12/12/25 19:49	20
1,1-Dichloroethene	ND		20	5.8	ug/L			12/12/25 19:49	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			12/12/25 19:49	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			12/12/25 19:49	20
1,2-Dibromoethane	ND		20	15	ug/L			12/12/25 19:49	20
1,2-Dichlorobenzene	ND		20	16	ug/L			12/12/25 19:49	20
1,2-Dichloroethane	ND		20	4.2	ug/L			12/12/25 19:49	20
1,2-Dichloropropane	ND		20	14	ug/L			12/12/25 19:49	20
1,3-Dichlorobenzene	ND		20	16	ug/L			12/12/25 19:49	20
1,4-Dichlorobenzene	ND		20	17	ug/L			12/12/25 19:49	20
2-Butanone (MEK)	ND		200	26	ug/L			12/12/25 19:49	20
2-Hexanone	ND		100	25	ug/L			12/12/25 19:49	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			12/12/25 19:49	20
Acetone	ND		200	60	ug/L			12/12/25 19:49	20
Benzene	12	J	20	8.2	ug/L			12/12/25 19:49	20
Bromodichloromethane	ND		20	7.8	ug/L			12/12/25 19:49	20
Bromoform	ND		20	5.2	ug/L			12/12/25 19:49	20
Bromomethane	ND		20	14	ug/L			12/12/25 19:49	20
Carbon disulfide	ND		20	3.8	ug/L			12/12/25 19:49	20
Carbon tetrachloride	ND		20	5.4	ug/L			12/12/25 19:49	20
Chlorobenzene	ND		20	15	ug/L			12/12/25 19:49	20
Chloroethane	ND		20	6.4	ug/L			12/12/25 19:49	20
Chloroform	ND		20	6.8	ug/L			12/12/25 19:49	20
Chloromethane	ND		20	7.0	ug/L			12/12/25 19:49	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			12/12/25 19:49	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			12/12/25 19:49	20
Cyclohexane	310		20	3.6	ug/L			12/12/25 19:49	20
Dibromochloromethane	ND		20	6.4	ug/L			12/12/25 19:49	20
Dichlorodifluoromethane	ND		20	14	ug/L			12/12/25 19:49	20
Ethylbenzene	230		20	15	ug/L			12/12/25 19:49	20
Isopropylbenzene	97		20	16	ug/L			12/12/25 19:49	20
Methyl acetate	ND		50	26	ug/L			12/12/25 19:49	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			12/12/25 19:49	20
Methylcyclohexane	100		20	3.2	ug/L			12/12/25 19:49	20
Methylene Chloride	24		20	8.8	ug/L			12/12/25 19:49	20
Styrene	ND		20	15	ug/L			12/12/25 19:49	20
Tetrachloroethene	ND		20	7.2	ug/L			12/12/25 19:49	20
Toluene	ND		20	10	ug/L			12/12/25 19:49	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			12/12/25 19:49	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			12/12/25 19:49	20
Trichloroethene	ND		20	9.2	ug/L			12/12/25 19:49	20
Trichlorofluoromethane	ND		20	18	ug/L			12/12/25 19:49	20
Vinyl chloride	ND		20	18	ug/L			12/12/25 19:49	20
Xylenes, Total	13	J	40	13	ug/L			12/12/25 19:49	20

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW5S

Date Collected: 12/11/25 15:35

Date Received: 12/12/25 12:00

Lab Sample ID: 480-235192-15

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		77 - 120		12/12/25 19:49	20
4-Bromofluorobenzene (Surr)	93		73 - 120		12/12/25 19:49	20
Dibromofluoromethane (Surr)	100		75 - 123		12/12/25 19:49	20
Toluene-d8 (Surr)	102		80 - 120		12/12/25 19:49	20

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:14	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.1	0.78	ng/L		12/15/25 16:28	12/22/25 13:14	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.1	0.78	ng/L		12/15/25 16:28	12/22/25 13:14	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.1	0.78	ng/L		12/15/25 16:28	12/22/25 13:14	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		7.8	2.0	ng/L		12/15/25 16:28	12/22/25 13:14	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		7.8	2.2	ng/L		12/15/25 16:28	12/22/25 13:14	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.1	0.78	ng/L		12/15/25 16:28	12/22/25 13:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:14	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:14	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		12/15/25 16:28	12/22/25 13:14	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:14	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		7.8	3.1	ng/L		12/15/25 16:28	12/22/25 13:14	1
N-ethylperfluorooctanesulfonamidoac etic acid (NEtFOSAA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:14	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:14	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.8	2.0	ng/L		12/15/25 16:28	12/22/25 13:14	1
N-methylperfluorooctanesulfonamidoa cetic acid (NMeFOSAA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:14	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:14	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:14	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:14	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:14	1
Perfluorobutanesulfonic acid (PFBS)	3.5		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:14	1
Perfluorobutanoic acid (PFBA)	ND		3.1	0.86	ng/L		12/15/25 16:28	12/22/25 13:14	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:14	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:14	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.47	ng/L		12/15/25 16:28	12/22/25 13:14	1
Perfluorododecanoic acid (PFDaA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:14	1

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW5S

Lab Sample ID: 480-235192-15

Date Collected: 12/11/25 15:35

Matrix: Water

Date Received: 12/12/25 12:00

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid (PFHpS)	0.74	J	1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:14	1
Perfluoroheptanoic acid (PFHpA)	6.3		1.6	0.63	ng/L		12/15/25 16:28	12/22/25 13:14	1
Perfluorohexanesulfonic acid (PFHxS)	3.2		1.6	0.63	ng/L		12/15/25 16:28	12/22/25 13:14	1
Perfluorohexanoic acid (PFHxA)	7.9		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:14	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:14	1
Perfluorononanoic acid (PFNA)	1.4	J	1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:14	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	1.6	ng/L		12/15/25 16:28	12/22/25 13:14	1
Perfluorooctanesulfonic acid (PFOS)	26		1.6	1.0	ng/L		12/15/25 16:28	12/22/25 13:14	1
Perfluorooctanoic acid (PFOA)	25		1.6	0.70	ng/L		12/15/25 16:28	12/22/25 13:14	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:14	1
Perfluoropentanoic acid (PFPeA)	11		1.6	0.47	ng/L		12/15/25 16:28	12/22/25 13:14	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:14	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:14	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:14	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 4:2 FTS	224	*5+	40 - 200	12/15/25 16:28	12/22/25 13:14	1
13C2 6:2 FTS	225	*5+	40 - 200	12/15/25 16:28	12/22/25 13:14	1
13C2 8:2 FTS	209		40 - 300	12/15/25 16:28	12/22/25 13:14	1
13C2 PFDoA	86.1		10 - 130	12/15/25 16:28	12/22/25 13:14	1
13C2 PFTeDA	71.6		10 - 130	12/15/25 16:28	12/22/25 13:14	1
13C3 HFPO-DA	80.6		40 - 130	12/15/25 16:28	12/22/25 13:14	1
13C3 PFBS	90.1		40 - 135	12/15/25 16:28	12/22/25 13:14	1
13C3 PFHxS	98.1		40 - 130	12/15/25 16:28	12/22/25 13:14	1
13C4 PFBA	78.0	*3	5 - 130	12/15/25 16:28	12/22/25 13:14	1
13C4 PFHpA	96.9		40 - 130	12/15/25 16:28	12/22/25 13:14	1
13C5 PFHxA	99.7		40 - 130	12/15/25 16:28	12/22/25 13:14	1
13C5 PFPeA	67.6		40 - 130	12/15/25 16:28	12/22/25 13:14	1
13C6 PFDA	93.4		40 - 130	12/15/25 16:28	12/22/25 13:14	1
13C7 PFUnA	94.1		30 - 130	12/15/25 16:28	12/22/25 13:14	1
13C8 FOSA	104		40 - 130	12/15/25 16:28	12/22/25 13:14	1
13C8 PFOA	106		40 - 130	12/15/25 16:28	12/22/25 13:14	1
13C8 PFOS	110		40 - 130	12/15/25 16:28	12/22/25 13:14	1
13C9 PFNA	97.6		40 - 130	12/15/25 16:28	12/22/25 13:14	1
d3-NMeFOSAA	97.1		40 - 170	12/15/25 16:28	12/22/25 13:14	1
d3-NMePFOSA	79.5		10 - 130	12/15/25 16:28	12/22/25 13:14	1
d5-NEtFOSAA	83.4		25 - 135	12/15/25 16:28	12/22/25 13:14	1
d5-NEtPFOSA	76.6		10 - 130	12/15/25 16:28	12/22/25 13:14	1
d7-N-MeFOSE-M	70.0		10 - 130	12/15/25 16:28	12/22/25 13:14	1
d9-N-EtFOSE-M	61.6		10 - 130	12/15/25 16:28	12/22/25 13:14	1

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW5I

Lab Sample ID: 480-235192-16

Date Collected: 12/11/25 16:20

Matrix: Water

Date Received: 12/12/25 12:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/25 20:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/25 20:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/12/25 20:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/25 20:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/25 20:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/25 20:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/12/25 20:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/12/25 20:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/12/25 20:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/12/25 20:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/25 20:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/25 20:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/12/25 20:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/12/25 20:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/12/25 20:11	1
2-Hexanone	ND		5.0	1.2	ug/L			12/12/25 20:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/12/25 20:11	1
Acetone	ND		10	3.0	ug/L			12/12/25 20:11	1
Benzene	ND		1.0	0.41	ug/L			12/12/25 20:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/12/25 20:11	1
Bromoform	ND		1.0	0.26	ug/L			12/12/25 20:11	1
Bromomethane	ND		1.0	0.69	ug/L			12/12/25 20:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/12/25 20:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/12/25 20:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/12/25 20:11	1
Chloroethane	ND		1.0	0.32	ug/L			12/12/25 20:11	1
Chloroform	ND		1.0	0.34	ug/L			12/12/25 20:11	1
Chloromethane	ND		1.0	0.35	ug/L			12/12/25 20:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/12/25 20:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/12/25 20:11	1
Cyclohexane	ND		1.0	0.18	ug/L			12/12/25 20:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/12/25 20:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/12/25 20:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/12/25 20:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/12/25 20:11	1
Methyl acetate	ND		2.5	1.3	ug/L			12/12/25 20:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/12/25 20:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/12/25 20:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/12/25 20:11	1
Styrene	ND		1.0	0.73	ug/L			12/12/25 20:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/12/25 20:11	1
Toluene	ND		1.0	0.51	ug/L			12/12/25 20:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/12/25 20:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/12/25 20:11	1
Trichloroethene	ND		1.0	0.46	ug/L			12/12/25 20:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/12/25 20:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/12/25 20:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/12/25 20:11	1

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW5I

Lab Sample ID: 480-235192-16

Date Collected: 12/11/25 16:20

Matrix: Water

Date Received: 12/12/25 12:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		12/12/25 20:11	1
4-Bromofluorobenzene (Surr)	98		73 - 120		12/12/25 20:11	1
Dibromofluoromethane (Surr)	101		75 - 123		12/12/25 20:11	1
Toluene-d8 (Surr)	102		80 - 120		12/12/25 20:11	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:54	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.2	0.79	ng/L		12/15/25 16:28	12/22/25 13:54	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.2	0.79	ng/L		12/15/25 16:28	12/22/25 13:54	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	10		3.2	0.79	ng/L		12/15/25 16:28	12/22/25 13:54	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		7.9	2.0	ng/L		12/15/25 16:28	12/22/25 13:54	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		7.9	2.2	ng/L		12/15/25 16:28	12/22/25 13:54	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.2	0.79	ng/L		12/15/25 16:28	12/22/25 13:54	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:54	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:54	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		12/15/25 16:28	12/22/25 13:54	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:54	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		7.9	3.2	ng/L		12/15/25 16:28	12/22/25 13:54	1
N-ethylperfluorooctanesulfonamidoac etic acid (NEtFOSAA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:54	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:54	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.9	2.0	ng/L		12/15/25 16:28	12/22/25 13:54	1
N-methylperfluorooctanesulfonamidoa cetic acid (NMeFOSAA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:54	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:54	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:54	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:54	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:54	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:54	1
Perfluorobutanoic acid (PFBA)	1.3 J		3.2	0.87	ng/L		12/15/25 16:28	12/22/25 13:54	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:54	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:54	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.47	ng/L		12/15/25 16:28	12/22/25 13:54	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:54	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:54	1

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW5I

Lab Sample ID: 480-235192-16

Date Collected: 12/11/25 16:20

Matrix: Water

Date Received: 12/12/25 12:00

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	ND		1.6	0.63	ng/L		12/15/25 16:28	12/22/25 13:54	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.63	ng/L		12/15/25 16:28	12/22/25 13:54	1
Perfluorohexanoic acid (PFHxA)	1.1	J	1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:54	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:54	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:54	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:54	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.6	1.0	ng/L		12/15/25 16:28	12/22/25 13:54	1
Perfluorooctanoic acid (PFOA)	ND		1.6	0.71	ng/L		12/15/25 16:28	12/22/25 13:54	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:54	1
Perfluoropentanoic acid (PFPeA)	1.2	J	1.6	0.47	ng/L		12/15/25 16:28	12/22/25 13:54	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:54	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:54	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.39	ng/L		12/15/25 16:28	12/22/25 13:54	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 4:2 FTS	136		40 - 200	12/15/25 16:28	12/22/25 13:54	1
13C2 6:2 FTS	122		40 - 200	12/15/25 16:28	12/22/25 13:54	1
13C2 8:2 FTS	198		40 - 300	12/15/25 16:28	12/22/25 13:54	1
13C2 PFDoA	95.5		10 - 130	12/15/25 16:28	12/22/25 13:54	1
13C2 PFTeDA	91.4		10 - 130	12/15/25 16:28	12/22/25 13:54	1
13C3 HFPO-DA	84.1		40 - 130	12/15/25 16:28	12/22/25 13:54	1
13C3 PFBS	98.7		40 - 135	12/15/25 16:28	12/22/25 13:54	1
13C3 PFHxS	102		40 - 130	12/15/25 16:28	12/22/25 13:54	1
13C4 PFBA	84.7		5 - 130	12/15/25 16:28	12/22/25 13:54	1
13C4 PFHpA	93.2		40 - 130	12/15/25 16:28	12/22/25 13:54	1
13C5 PFHxA	94.0		40 - 130	12/15/25 16:28	12/22/25 13:54	1
13C5 PFPeA	95.5		40 - 130	12/15/25 16:28	12/22/25 13:54	1
13C6 PFDA	98.2		40 - 130	12/15/25 16:28	12/22/25 13:54	1
13C7 PFUnA	99.5		30 - 130	12/15/25 16:28	12/22/25 13:54	1
13C8 FOSA	103		40 - 130	12/15/25 16:28	12/22/25 13:54	1
13C8 PFOA	103		40 - 130	12/15/25 16:28	12/22/25 13:54	1
13C8 PFOS	114		40 - 130	12/15/25 16:28	12/22/25 13:54	1
13C9 PFNA	101		40 - 130	12/15/25 16:28	12/22/25 13:54	1
d3-NMeFOSAA	85.9		40 - 170	12/15/25 16:28	12/22/25 13:54	1
d3-NMePFOSA	88.5		10 - 130	12/15/25 16:28	12/22/25 13:54	1
d5-NEtFOSAA	71.6		25 - 135	12/15/25 16:28	12/22/25 13:54	1
d5-NEtPFOSA	86.1		10 - 130	12/15/25 16:28	12/22/25 13:54	1
d7-N-MeFOSE-M	70.9		10 - 130	12/15/25 16:28	12/22/25 13:54	1
d9-N-EtFOSE-M	69.9		10 - 130	12/15/25 16:28	12/22/25 13:54	1

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: DUP

Lab Sample ID: 480-235192-17

Date Collected: 12/11/25 00:00

Matrix: Water

Date Received: 12/12/25 12:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		800	660	ug/L			12/16/25 17:43	800
1,1,2,2-Tetrachloroethane	ND		800	170	ug/L			12/16/25 17:43	800
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		800	250	ug/L			12/16/25 17:43	800
1,1,2-Trichloroethane	ND		800	180	ug/L			12/16/25 17:43	800
1,1-Dichloroethane	ND		800	300	ug/L			12/16/25 17:43	800
1,1-Dichloroethene	ND		800	230	ug/L			12/16/25 17:43	800
1,2,4-Trichlorobenzene	ND		800	330	ug/L			12/16/25 17:43	800
1,2-Dibromo-3-Chloropropane	ND		800	310	ug/L			12/16/25 17:43	800
1,2-Dibromoethane	ND		800	580	ug/L			12/16/25 17:43	800
1,2-Dichlorobenzene	ND		800	630	ug/L			12/16/25 17:43	800
1,2-Dichloroethane	ND		800	170	ug/L			12/16/25 17:43	800
1,2-Dichloropropane	ND		800	580	ug/L			12/16/25 17:43	800
1,3-Dichlorobenzene	ND		800	620	ug/L			12/16/25 17:43	800
1,4-Dichlorobenzene	ND		800	670	ug/L			12/16/25 17:43	800
2-Butanone (MEK)	ND		8000	1100	ug/L			12/16/25 17:43	800
2-Hexanone	ND		4000	990	ug/L			12/16/25 17:43	800
4-Methyl-2-pentanone (MIBK)	ND		4000	1700	ug/L			12/16/25 17:43	800
Acetone	ND		8000	2400	ug/L			12/16/25 17:43	800
Benzene	ND		800	330	ug/L			12/16/25 17:43	800
Bromodichloromethane	ND		800	310	ug/L			12/16/25 17:43	800
Bromoform	ND		800	210	ug/L			12/16/25 17:43	800
Bromomethane	ND		800	550	ug/L			12/16/25 17:43	800
Carbon disulfide	ND		800	150	ug/L			12/16/25 17:43	800
Carbon tetrachloride	ND		800	220	ug/L			12/16/25 17:43	800
Chlorobenzene	ND		800	600	ug/L			12/16/25 17:43	800
Chloroethane	ND		800	260	ug/L			12/16/25 17:43	800
Chloroform	ND		800	270	ug/L			12/16/25 17:43	800
Chloromethane	ND		800	280	ug/L			12/16/25 17:43	800
cis-1,2-Dichloroethene	2000		800	650	ug/L			12/16/25 17:43	800
cis-1,3-Dichloropropene	ND		800	290	ug/L			12/16/25 17:43	800
Cyclohexane	ND		800	140	ug/L			12/16/25 17:43	800
Dibromochloromethane	ND		800	260	ug/L			12/16/25 17:43	800
Dichlorodifluoromethane	ND		800	540	ug/L			12/16/25 17:43	800
Ethylbenzene	ND		800	590	ug/L			12/16/25 17:43	800
Isopropylbenzene	ND		800	630	ug/L			12/16/25 17:43	800
Methyl acetate	ND		2000	1000	ug/L			12/16/25 17:43	800
Methyl tert-butyl ether	ND		800	130	ug/L			12/16/25 17:43	800
Methylcyclohexane	ND		800	130	ug/L			12/16/25 17:43	800
Methylene Chloride	ND		800	350	ug/L			12/16/25 17:43	800
Styrene	ND		800	580	ug/L			12/16/25 17:43	800
Tetrachloroethene	24000		800	290	ug/L			12/16/25 17:43	800
Toluene	ND		800	410	ug/L			12/16/25 17:43	800
trans-1,2-Dichloroethene	ND		800	720	ug/L			12/16/25 17:43	800
trans-1,3-Dichloropropene	ND		800	300	ug/L			12/16/25 17:43	800
Trichloroethene	1000		800	370	ug/L			12/16/25 17:43	800
Trichlorofluoromethane	ND		800	700	ug/L			12/16/25 17:43	800
Vinyl chloride	ND		800	720	ug/L			12/16/25 17:43	800
Xylenes, Total	ND		1600	530	ug/L			12/16/25 17:43	800

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: DUP

Lab Sample ID: 480-235192-17

Date Collected: 12/11/25 00:00

Matrix: Water

Date Received: 12/12/25 12:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		12/16/25 17:43	800
4-Bromofluorobenzene (Surr)	96		73 - 120		12/16/25 17:43	800
Dibromofluoromethane (Surr)	101		75 - 123		12/16/25 17:43	800
Toluene-d8 (Surr)	103		80 - 120		12/16/25 17:43	800

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	0.43	ng/L		12/15/25 16:28	12/22/25 14:08	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.4	0.85	ng/L		12/15/25 16:28	12/22/25 14:08	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.4	0.85	ng/L		12/15/25 16:28	12/22/25 14:08	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.4	0.85	ng/L		12/15/25 16:28	12/22/25 14:08	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.5	2.1	ng/L		12/15/25 16:28	12/22/25 14:08	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.5	2.4	ng/L		12/15/25 16:28	12/22/25 14:08	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.4	0.85	ng/L		12/15/25 16:28	12/22/25 14:08	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.43	ng/L		12/15/25 16:28	12/22/25 14:08	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.7	0.43	ng/L		12/15/25 16:28	12/22/25 14:08	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		12/15/25 16:28	12/22/25 14:08	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.7	0.43	ng/L		12/15/25 16:28	12/22/25 14:08	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.5	3.4	ng/L		12/15/25 16:28	12/22/25 14:08	1
N-ethylperfluorooctanesulfonamidoac etic acid (NEtFOSAA)	ND		1.7	0.43	ng/L		12/15/25 16:28	12/22/25 14:08	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.7	0.43	ng/L		12/15/25 16:28	12/22/25 14:08	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.5	2.1	ng/L		12/15/25 16:28	12/22/25 14:08	1
N-methylperfluorooctanesulfonamidoa cetic acid (NMeFOSAA)	ND		1.7	0.43	ng/L		12/15/25 16:28	12/22/25 14:08	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.7	0.43	ng/L		12/15/25 16:28	12/22/25 14:08	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	0.43	ng/L		12/15/25 16:28	12/22/25 14:08	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	0.43	ng/L		12/15/25 16:28	12/22/25 14:08	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.43	ng/L		12/15/25 16:28	12/22/25 14:08	1
Perfluorobutanesulfonic acid (PFBS)	3.7		1.7	0.43	ng/L		12/15/25 16:28	12/22/25 14:08	1
Perfluorobutanoic acid (PFBA)	11		3.4	0.94	ng/L		12/15/25 16:28	12/22/25 14:08	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.43	ng/L		12/15/25 16:28	12/22/25 14:08	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.43	ng/L		12/15/25 16:28	12/22/25 14:08	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.51	ng/L		12/15/25 16:28	12/22/25 14:08	1
Perfluorododecanoic acid (PFDaA)	ND		1.7	0.43	ng/L		12/15/25 16:28	12/22/25 14:08	1

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: DUP

Lab Sample ID: 480-235192-17

Date Collected: 12/11/25 00:00

Matrix: Water

Date Received: 12/12/25 12:00

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid (PFHpS)	0.78	J	1.7	0.43	ng/L		12/15/25 16:28	12/22/25 14:08	1
Perfluoroheptanoic acid (PFHpA)	6.6		1.7	0.68	ng/L		12/15/25 16:28	12/22/25 14:08	1
Perfluorohexanesulfonic acid (PFHxS)	3.3		1.7	0.68	ng/L		12/15/25 16:28	12/22/25 14:08	1
Perfluorohexanoic acid (PFHxA)	8.1		1.7	0.43	ng/L		12/15/25 16:28	12/22/25 14:08	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.43	ng/L		12/15/25 16:28	12/22/25 14:08	1
Perfluorononanoic acid (PFNA)	1.5	J	1.7	0.43	ng/L		12/15/25 16:28	12/22/25 14:08	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.43	ng/L		12/15/25 16:28	12/22/25 14:08	1
Perfluorooctanesulfonic acid (PFOS)	27		1.7	1.1	ng/L		12/15/25 16:28	12/22/25 14:08	1
Perfluorooctanoic acid (PFOA)	23		1.7	0.77	ng/L		12/15/25 16:28	12/22/25 14:08	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.43	ng/L		12/15/25 16:28	12/22/25 14:08	1
Perfluoropentanoic acid (PFPeA)	10		1.7	0.51	ng/L		12/15/25 16:28	12/22/25 14:08	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.43	ng/L		12/15/25 16:28	12/22/25 14:08	1
Perfluorotridecanoic acid (PFTTrDA)	0.87	J	1.7	0.43	ng/L		12/15/25 16:28	12/22/25 14:08	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.43	ng/L		12/15/25 16:28	12/22/25 14:08	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 4:2 FTS	224	*5+	40 - 200				12/15/25 16:28	12/22/25 14:08	1
13C2 6:2 FTS	201	*5+	40 - 200				12/15/25 16:28	12/22/25 14:08	1
13C2 8:2 FTS	186		40 - 300				12/15/25 16:28	12/22/25 14:08	1
13C2 PFDoA	89.2		10 - 130				12/15/25 16:28	12/22/25 14:08	1
13C2 PFTeDA	76.0		10 - 130				12/15/25 16:28	12/22/25 14:08	1
13C3 HFPO-DA	79.3		40 - 130				12/15/25 16:28	12/22/25 14:08	1
13C3 PFBS	90.2		40 - 135				12/15/25 16:28	12/22/25 14:08	1
13C3 PFHxS	94.5		40 - 130				12/15/25 16:28	12/22/25 14:08	1
13C4 PFBA	78.3	*3	5 - 130				12/15/25 16:28	12/22/25 14:08	1
13C4 PFHpA	89.1		40 - 130				12/15/25 16:28	12/22/25 14:08	1
13C5 PFHxA	95.8		40 - 130				12/15/25 16:28	12/22/25 14:08	1
13C5 PFPeA	71.1		40 - 130				12/15/25 16:28	12/22/25 14:08	1
13C6 PFDA	92.4		40 - 130				12/15/25 16:28	12/22/25 14:08	1
13C7 PFUnA	99.5		30 - 130				12/15/25 16:28	12/22/25 14:08	1
13C8 FOSA	103		40 - 130				12/15/25 16:28	12/22/25 14:08	1
13C8 PFOA	96.7		40 - 130				12/15/25 16:28	12/22/25 14:08	1
13C8 PFOS	104		40 - 130				12/15/25 16:28	12/22/25 14:08	1
13C9 PFNA	99.0		40 - 130				12/15/25 16:28	12/22/25 14:08	1
d3-NMeFOSAA	87.8		40 - 170				12/15/25 16:28	12/22/25 14:08	1
d3-NMePFOSA	81.1		10 - 130				12/15/25 16:28	12/22/25 14:08	1
d5-NEtFOSAA	76.9		25 - 135				12/15/25 16:28	12/22/25 14:08	1
d5-NEtPFOSA	77.0		10 - 130				12/15/25 16:28	12/22/25 14:08	1
d7-N-MeFOSE-M	53.5		10 - 130				12/15/25 16:28	12/22/25 14:08	1
d9-N-EtFOSE-M	49.5		10 - 130				12/15/25 16:28	12/22/25 14:08	1

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: FB

Lab Sample ID: 480-235192-18

Date Collected: 12/11/25 17:15

Matrix: Water

Date Received: 12/12/25 12:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/25 20:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/25 20:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/12/25 20:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/25 20:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/25 20:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/25 20:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/12/25 20:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/12/25 20:56	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/12/25 20:56	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/12/25 20:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/25 20:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/25 20:56	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/12/25 20:56	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/12/25 20:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/12/25 20:56	1
2-Hexanone	ND		5.0	1.2	ug/L			12/12/25 20:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/12/25 20:56	1
Acetone	ND		10	3.0	ug/L			12/12/25 20:56	1
Benzene	ND		1.0	0.41	ug/L			12/12/25 20:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/12/25 20:56	1
Bromoform	ND		1.0	0.26	ug/L			12/12/25 20:56	1
Bromomethane	ND		1.0	0.69	ug/L			12/12/25 20:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/12/25 20:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/12/25 20:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/12/25 20:56	1
Chloroethane	ND		1.0	0.32	ug/L			12/12/25 20:56	1
Chloroform	ND		1.0	0.34	ug/L			12/12/25 20:56	1
Chloromethane	ND		1.0	0.35	ug/L			12/12/25 20:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/12/25 20:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/12/25 20:56	1
Cyclohexane	ND		1.0	0.18	ug/L			12/12/25 20:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/12/25 20:56	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/12/25 20:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/12/25 20:56	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/12/25 20:56	1
Methyl acetate	ND		2.5	1.3	ug/L			12/12/25 20:56	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/12/25 20:56	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/12/25 20:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/12/25 20:56	1
Styrene	ND		1.0	0.73	ug/L			12/12/25 20:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/12/25 20:56	1
Toluene	ND		1.0	0.51	ug/L			12/12/25 20:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/12/25 20:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/12/25 20:56	1
Trichloroethene	ND		1.0	0.46	ug/L			12/12/25 20:56	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/12/25 20:56	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/12/25 20:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/12/25 20:56	1

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: FB

Lab Sample ID: 480-235192-18

Date Collected: 12/11/25 17:15

Matrix: Water

Date Received: 12/12/25 12:00

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		12/12/25 20:56	1
4-Bromofluorobenzene (Surr)	94		73 - 120		12/12/25 20:56	1
Dibromofluoromethane (Surr)	101		75 - 123		12/12/25 20:56	1
Toluene-d8 (Surr)	101		80 - 120		12/12/25 20:56	1

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-235192-19

Date Collected: 12/11/25 17:00

Matrix: Water

Date Received: 12/12/25 12:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/25 21:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/25 21:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/12/25 21:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/25 21:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/25 21:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/25 21:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/12/25 21:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/12/25 21:18	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/12/25 21:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/12/25 21:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/25 21:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/25 21:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/12/25 21:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/12/25 21:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/12/25 21:18	1
2-Hexanone	ND		5.0	1.2	ug/L			12/12/25 21:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/12/25 21:18	1
Acetone	ND		10	3.0	ug/L			12/12/25 21:18	1
Benzene	ND		1.0	0.41	ug/L			12/12/25 21:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/12/25 21:18	1
Bromoform	ND		1.0	0.26	ug/L			12/12/25 21:18	1
Bromomethane	ND		1.0	0.69	ug/L			12/12/25 21:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/12/25 21:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/12/25 21:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/12/25 21:18	1
Chloroethane	ND		1.0	0.32	ug/L			12/12/25 21:18	1
Chloroform	ND		1.0	0.34	ug/L			12/12/25 21:18	1
Chloromethane	ND		1.0	0.35	ug/L			12/12/25 21:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/12/25 21:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/12/25 21:18	1
Cyclohexane	ND		1.0	0.18	ug/L			12/12/25 21:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/12/25 21:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/12/25 21:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/12/25 21:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/12/25 21:18	1
Methyl acetate	ND		2.5	1.3	ug/L			12/12/25 21:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/12/25 21:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/12/25 21:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/12/25 21:18	1
Styrene	ND		1.0	0.73	ug/L			12/12/25 21:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/12/25 21:18	1
Toluene	ND		1.0	0.51	ug/L			12/12/25 21:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/12/25 21:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/12/25 21:18	1
Trichloroethene	ND		1.0	0.46	ug/L			12/12/25 21:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/12/25 21:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/12/25 21:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/12/25 21:18	1

Eurofins Buffalo

Client Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-235192-19

Date Collected: 12/11/25 17:00

Matrix: Water

Date Received: 12/12/25 12:00

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		12/12/25 21:18	1
4-Bromofluorobenzene (Surr)	94		73 - 120		12/12/25 21:18	1
Dibromofluoromethane (Surr)	101		75 - 123		12/12/25 21:18	1
Toluene-d8 (Surr)	102		80 - 120		12/12/25 21:18	1

Surrogate Summary

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	DBFM (75-123)	TOL (80-120)
480-235192-1	MW6	100	95	103	103
480-235192-2	MW7	99	97	102	103
480-235192-3	MW8	101	94	104	101
480-235192-4	MW11	101	94	103	102
480-235192-4 MS	MW11	107	102	113	93
480-235192-4 MSD	MW11	105	97	113	94
480-235192-5	MW12S	99	96	102	99
480-235192-6	MW1C	97	98	102	101
480-235192-7	MW1D	99	98	101	100
480-235192-8	MW1E	99	96	101	103
480-235192-9	MW1R	101	95	103	102
480-235192-10	MW2R	99	94	102	101
480-235192-11	MW3S	98	93	102	101
480-235192-12	MW3I	99	97	102	101
480-235192-13	MW4S	107	103	108	99
480-235192-14	MW4I	98	96	102	100
480-235192-15	MW5S	118	93	100	102
480-235192-16	MW5I	99	98	101	102
480-235192-17	DUP	97	96	101	103
480-235192-18	FB	99	94	101	101
480-235192-19	TRIP BLANK	96	94	101	102
LCS 480-764697/6	Lab Control Sample	101	94	102	102
LCS 480-764803/6	Lab Control Sample	102	106	108	102
LCS 480-764908/6	Lab Control Sample	100	96	103	100
MB 480-764697/8	Method Blank	99	96	100	102
MB 480-764803/9	Method Blank	99	107	105	102
MB 480-764908/9	Method Blank	97	98	101	101

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

Isotope Dilution Summary

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M242FTS (40-200)	M262FTS (40-200)	M282FTS (40-300)	PFDaA (10-130)	PFTDA (10-130)	HFPODA (40-130)	C3PFBS (40-135)	C3PFHS (40-130)
480-235192-11	MW3S	220 *5+	173	110	47.5	41.2	77.9	95.7	96.1
480-235192-12	MW3I	151	116	159	80.5	68.8	89.7	104	98.7
480-235192-13	MW4S	225 *5+	174	169	81.5	67.8	92.6	105	112
480-235192-14	MW4I	118	147	191	89.9	79.7	92.9	97.0	110
480-235192-15	MW5S	224 *5+	225 *5+	209	86.1	71.6	80.6	90.1	98.1
480-235192-16	MW5I	136	122	198	95.5	91.4	84.1	98.7	102
480-235192-17	DUP	224 *5+	201 *5+	186	89.2	76.0	79.3	90.2	94.5
LCS 410-744380/13-A	Lab Control Sample	95.8	101	135	93.8	80.4	99.3	103	95.9
LLCS 410-744380/14-A	Lab Control Sample	91.6	97.8	128	86.3	82.8	95.3	94.1	92.9
MB 410-744380/12-A	Method Blank	106	114	142	87.9	81.8	101	101	104
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (5-130)	C4PFHA (40-130)	13C5PHA (40-130)	PFPaA (40-130)	C6PFDA (40-130)	13C7PUA (30-130)	PFOSA (40-130)	C8PFOA (40-130)
480-235192-11	MW3S	83.9	87.4	96.8	56.0	59.9	53.8	63.9	96.7
480-235192-12	MW3I	91.7	95.3	96.5	96.1	87.1	86.3	89.1	98.6
480-235192-13	MW4S	93.5	105	102	108	101	90.5	95.3	110
480-235192-14	MW4I	95.0	101	97.5	104	102	102	92.6	101
480-235192-15	MW5S	78.0 *3	96.9	99.7	67.6	93.4	94.1	104	106
480-235192-16	MW5I	84.7	93.2	94.0	95.5	98.2	99.5	103	103
480-235192-17	DUP	78.3 *3	89.1	95.8	71.1	92.4	99.5	103	96.7
LCS 410-744380/13-A	Lab Control Sample	101	102	95.5	106	98.9	101	85.2	105
LLCS 410-744380/14-A	Lab Control Sample	94.6	94.1	88.6	101	94.2	90.6	79.9	88.3
MB 410-744380/12-A	Method Blank	100	110	105	107	97.2	94.9	81.3	102
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	C8PFOS (40-130)	C9PFNA (40-130)	d3NMFOS (40-170)	d3NMFSA (10-130)	d5NEFOS (25-135)	d5NPFSA (10-130)	NMFM (10-130)	NEFM (10-130)
480-235192-11	MW3S	70.9	82.3	47.6	44.0	41.1	41.5	28.3	26.2
480-235192-12	MW3I	104	94.5	72.6	70.6	60.1	68.9	48.4	42.2
480-235192-13	MW4S	101	105	82.2	76.1	67.5	73.2	50.5	41.0
480-235192-14	MW4I	118	97.5	82.7	80.4	68.0	76.2	59.9	45.7
480-235192-15	MW5S	110	97.6	97.1	79.5	83.4	76.6	70.0	61.6
480-235192-16	MW5I	114	101	85.9	88.5	71.6	86.1	70.9	69.9
480-235192-17	DUP	104	99.0	87.8	81.1	76.9	77.0	53.5	49.5
LCS 410-744380/13-A	Lab Control Sample	101	99.0	91.1	79.4	86.5	82.8	73.4	69.2
LLCS 410-744380/14-A	Lab Control Sample	87.9	91.4	82.4	69.0	81.5	71.9	54.6	50.8
MB 410-744380/12-A	Method Blank	101	102	85.4	68.8	81.6	70.2	68.5	64.1

Surrogate Legend

M242FTS = 13C2 4:2 FTS
M262FTS = 13C2 6:2 FTS
M282FTS = 13C2 8:2 FTS
PFDaA = 13C2 PFDaA
PFTDA = 13C2 PFTeDA
HFPODA = 13C3 HFPO-DA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
PFBA = 13C4 PFBA
C4PFHA = 13C4 PFHpA
13C5PHA = 13C5 PFHxA

Eurofins Buffalo

Isotope Dilution Summary

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

PFPeA = 13C5 PFPeA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFOSA = 13C8 FOSA
C8PFOA = 13C8 PFOA
C8PFOS = 13C8 PFOS
C9PFNA = 13C9 PFNA
d3NMFOS = d3-NMeFOSAA
d3NMFSA = d3-NMePFOSA
d5NEFOS = d5-NEtFOSAA
d5NPFSA = d5-NEtPFOSA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

QC Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-764697/8

Matrix: Water

Analysis Batch: 764697

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/25 11:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/25 11:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/12/25 11:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/25 11:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/25 11:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/25 11:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/12/25 11:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/12/25 11:29	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/12/25 11:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/12/25 11:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/25 11:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/25 11:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/12/25 11:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/12/25 11:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/12/25 11:29	1
2-Hexanone	ND		5.0	1.2	ug/L			12/12/25 11:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/12/25 11:29	1
Acetone	ND		10	3.0	ug/L			12/12/25 11:29	1
Benzene	ND		1.0	0.41	ug/L			12/12/25 11:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/12/25 11:29	1
Bromoform	ND		1.0	0.26	ug/L			12/12/25 11:29	1
Bromomethane	ND		1.0	0.69	ug/L			12/12/25 11:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/12/25 11:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/12/25 11:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/12/25 11:29	1
Chloroethane	ND		1.0	0.32	ug/L			12/12/25 11:29	1
Chloroform	ND		1.0	0.34	ug/L			12/12/25 11:29	1
Chloromethane	ND		1.0	0.35	ug/L			12/12/25 11:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/12/25 11:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/12/25 11:29	1
Cyclohexane	ND		1.0	0.18	ug/L			12/12/25 11:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/12/25 11:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/12/25 11:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/12/25 11:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/12/25 11:29	1
Methyl acetate	ND		2.5	1.3	ug/L			12/12/25 11:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/12/25 11:29	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/12/25 11:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/12/25 11:29	1
Styrene	ND		1.0	0.73	ug/L			12/12/25 11:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/12/25 11:29	1
Toluene	ND		1.0	0.51	ug/L			12/12/25 11:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/12/25 11:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/12/25 11:29	1
Trichloroethene	ND		1.0	0.46	ug/L			12/12/25 11:29	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/12/25 11:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/12/25 11:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/12/25 11:29	1

Eurofins Buffalo

QC Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-764697/8

Matrix: Water

Analysis Batch: 764697

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		12/12/25 11:29	1
4-Bromofluorobenzene (Surr)	96		73 - 120		12/12/25 11:29	1
Dibromofluoromethane (Surr)	100		75 - 123		12/12/25 11:29	1
Toluene-d8 (Surr)	102		80 - 120		12/12/25 11:29	1

Lab Sample ID: LCS 480-764697/6

Matrix: Water

Analysis Batch: 764697

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	24.7		ug/L		99	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.8		ug/L		95	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.2		ug/L		113	61 - 148
1,1,2-Trichloroethane	25.0	24.1		ug/L		97	76 - 122
1,1-Dichloroethane	25.0	25.2		ug/L		101	77 - 120
1,1-Dichloroethene	25.0	26.1		ug/L		104	66 - 127
1,2,4-Trichlorobenzene	25.0	26.3		ug/L		105	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.1		ug/L		92	56 - 134
1,2-Dibromoethane	25.0	23.0		ug/L		92	77 - 120
1,2-Dichlorobenzene	25.0	24.9		ug/L		100	80 - 124
1,2-Dichloroethane	25.0	22.3		ug/L		89	75 - 120
1,2-Dichloropropane	25.0	24.2		ug/L		97	76 - 120
1,3-Dichlorobenzene	25.0	24.0		ug/L		96	77 - 120
1,4-Dichlorobenzene	25.0	23.1		ug/L		93	80 - 120
2-Butanone (MEK)	125	123		ug/L		98	57 - 140
2-Hexanone	125	103		ug/L		82	65 - 127
4-Methyl-2-pentanone (MIBK)	125	112		ug/L		90	71 - 125
Acetone	125	131		ug/L		105	56 - 142
Benzene	25.0	24.7		ug/L		99	71 - 124
Bromodichloromethane	25.0	24.1		ug/L		96	80 - 122
Bromoform	25.0	21.8		ug/L		87	61 - 132
Bromomethane	25.0	24.5		ug/L		98	55 - 144
Carbon disulfide	25.0	26.2		ug/L		105	59 - 134
Carbon tetrachloride	25.0	25.5		ug/L		102	72 - 134
Chlorobenzene	25.0	23.9		ug/L		96	80 - 120
Chloroethane	25.0	22.1		ug/L		88	69 - 136
Chloroform	25.0	24.7		ug/L		99	73 - 127
Chloromethane	25.0	23.5		ug/L		94	68 - 124
cis-1,2-Dichloroethene	25.0	25.3		ug/L		101	74 - 124
cis-1,3-Dichloropropene	25.0	23.9		ug/L		95	74 - 124
Cyclohexane	25.0	27.1		ug/L		108	59 - 135
Dibromochloromethane	25.0	23.7		ug/L		95	75 - 125
Dichlorodifluoromethane	25.0	25.6		ug/L		102	59 - 135
Ethylbenzene	25.0	24.3		ug/L		97	77 - 123
Isopropylbenzene	25.0	26.5		ug/L		106	77 - 122
Methyl acetate	50.0	54.8		ug/L		110	74 - 133
Methyl tert-butyl ether	25.0	21.1		ug/L		84	77 - 120
Methylcyclohexane	25.0	27.7		ug/L		111	68 - 134

Eurofins Buffalo

QC Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-764697/6

Matrix: Water

Analysis Batch: 764697

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	25.3		ug/L		101	75 - 124
Styrene	25.0	23.5		ug/L		94	80 - 120
Tetrachloroethene	25.0	25.1		ug/L		100	74 - 122
Toluene	25.0	24.4		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	25.7		ug/L		103	73 - 127
trans-1,3-Dichloropropene	25.0	24.2		ug/L		97	80 - 120
Trichloroethene	25.0	24.7		ug/L		99	74 - 123
Trichlorofluoromethane	25.0	26.6		ug/L		107	62 - 150
Vinyl chloride	25.0	25.3		ug/L		101	65 - 133
Xylenes, Total	50.0	48.7		ug/L		97	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		77 - 120
4-Bromofluorobenzene (Surr)	94		73 - 120
Dibromofluoromethane (Surr)	102		75 - 123
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: MB 480-764803/9

Matrix: Water

Analysis Batch: 764803

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/15/25 13:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/15/25 13:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/15/25 13:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/15/25 13:43	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/15/25 13:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/15/25 13:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/15/25 13:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/15/25 13:43	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/15/25 13:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/15/25 13:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/15/25 13:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/15/25 13:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/15/25 13:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/15/25 13:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/15/25 13:43	1
2-Hexanone	ND		5.0	1.2	ug/L			12/15/25 13:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/15/25 13:43	1
Acetone	ND		10	3.0	ug/L			12/15/25 13:43	1
Benzene	ND		1.0	0.41	ug/L			12/15/25 13:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/15/25 13:43	1
Bromoform	ND		1.0	0.26	ug/L			12/15/25 13:43	1
Bromomethane	ND		1.0	0.69	ug/L			12/15/25 13:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/15/25 13:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/15/25 13:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/15/25 13:43	1
Chloroethane	ND		1.0	0.32	ug/L			12/15/25 13:43	1

Eurofins Buffalo

QC Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-764803/9

Matrix: Water

Analysis Batch: 764803

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.34	ug/L			12/15/25 13:43	1
Chloromethane	ND		1.0	0.35	ug/L			12/15/25 13:43	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/15/25 13:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/15/25 13:43	1
Cyclohexane	ND		1.0	0.18	ug/L			12/15/25 13:43	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/15/25 13:43	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/15/25 13:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/15/25 13:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/15/25 13:43	1
Methyl acetate	ND		2.5	1.3	ug/L			12/15/25 13:43	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/15/25 13:43	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/15/25 13:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/15/25 13:43	1
Styrene	ND		1.0	0.73	ug/L			12/15/25 13:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/15/25 13:43	1
Toluene	ND		1.0	0.51	ug/L			12/15/25 13:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/15/25 13:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/15/25 13:43	1
Trichloroethene	ND		1.0	0.46	ug/L			12/15/25 13:43	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/15/25 13:43	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/15/25 13:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/15/25 13:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		12/15/25 13:43	1
4-Bromofluorobenzene (Surr)	107		73 - 120		12/15/25 13:43	1
Dibromofluoromethane (Surr)	105		75 - 123		12/15/25 13:43	1
Toluene-d8 (Surr)	102		80 - 120		12/15/25 13:43	1

Lab Sample ID: LCS 480-764803/6

Matrix: Water

Analysis Batch: 764803

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	29.1		ug/L		117	73 - 126
1,1,2,2-Tetrachloroethane	25.0	21.5		ug/L		86	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.7		ug/L		111	61 - 148
1,1,2-Trichloroethane	25.0	24.9		ug/L		100	76 - 122
1,1-Dichloroethane	25.0	23.7		ug/L		95	77 - 120
1,1-Dichloroethene	25.0	26.9		ug/L		108	66 - 127
1,2,4-Trichlorobenzene	25.0	26.0		ug/L		104	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	21.7		ug/L		87	56 - 134
1,2-Dibromoethane	25.0	27.1		ug/L		108	77 - 120
1,2-Dichlorobenzene	25.0	25.0		ug/L		100	80 - 124
1,2-Dichloroethane	25.0	24.8		ug/L		99	75 - 120
1,2-Dichloropropane	25.0	25.1		ug/L		101	76 - 120
1,3-Dichlorobenzene	25.0	24.7		ug/L		99	77 - 120
1,4-Dichlorobenzene	25.0	24.3		ug/L		97	80 - 120

Eurofins Buffalo

QC Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-764803/6

Matrix: Water

Analysis Batch: 764803

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	125	111		ug/L		89	57 - 140
2-Hexanone	125	111		ug/L		89	65 - 127
4-Methyl-2-pentanone (MIBK)	125	108		ug/L		86	71 - 125
Acetone	125	101		ug/L		81	56 - 142
Benzene	25.0	24.8		ug/L		99	71 - 124
Bromodichloromethane	25.0	26.6		ug/L		107	80 - 122
Bromoform	25.0	28.5		ug/L		114	61 - 132
Bromomethane	25.0	24.0		ug/L		96	55 - 144
Carbon disulfide	25.0	23.2		ug/L		93	59 - 134
Carbon tetrachloride	25.0	33.8	*+	ug/L		135	72 - 134
Chlorobenzene	25.0	25.1		ug/L		100	80 - 120
Chloroethane	25.0	23.4		ug/L		94	69 - 136
Chloroform	25.0	24.9		ug/L		100	73 - 127
Chloromethane	25.0	26.7		ug/L		107	68 - 124
cis-1,2-Dichloroethene	25.0	25.9		ug/L		104	74 - 124
cis-1,3-Dichloropropene	25.0	27.8		ug/L		111	74 - 124
Cyclohexane	25.0	24.8		ug/L		99	59 - 135
Dibromochloromethane	25.0	31.0		ug/L		124	75 - 125
Dichlorodifluoromethane	25.0	35.2	*+	ug/L		141	59 - 135
Ethylbenzene	25.0	25.0		ug/L		100	77 - 123
Isopropylbenzene	25.0	24.1		ug/L		96	77 - 122
Methyl acetate	50.0	43.2		ug/L		86	74 - 133
Methyl tert-butyl ether	25.0	24.9		ug/L		99	77 - 120
Methylcyclohexane	25.0	26.4		ug/L		105	68 - 134
Methylene Chloride	25.0	24.9		ug/L		99	75 - 124
Styrene	25.0	24.5		ug/L		98	80 - 120
Tetrachloroethene	25.0	29.7		ug/L		119	74 - 122
Toluene	25.0	26.1		ug/L		104	80 - 122
trans-1,2-Dichloroethene	25.0	25.9		ug/L		104	73 - 127
trans-1,3-Dichloropropene	25.0	23.9		ug/L		96	80 - 120
Trichloroethene	25.0	26.6		ug/L		106	74 - 123
Trichlorofluoromethane	25.0	28.1		ug/L		112	62 - 150
Vinyl chloride	25.0	24.4		ug/L		97	65 - 133
Xylenes, Total	50.0	52.4		ug/L		105	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		77 - 120
4-Bromofluorobenzene (Surr)	106		73 - 120
Dibromofluoromethane (Surr)	108		75 - 123
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: 480-235192-4 MS

Matrix: Water

Analysis Batch: 764803

Client Sample ID: MW11

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND	F1	25.0	34.8	F1	ug/L		139	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	24.1		ug/L		96	76 - 120

Eurofins Buffalo

QC Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-235192-4 MS

Matrix: Water

Analysis Batch: 764803

Client Sample ID: MW11

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	30.7		ug/L		123	61 - 148
1,1,2-Trichloroethane	ND		25.0	26.9		ug/L		107	76 - 122
1,1-Dichloroethane	ND		25.0	28.6		ug/L		114	77 - 120
1,1-Dichloroethene	ND	F1	25.0	33.0	F1	ug/L		132	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	29.4		ug/L		117	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	23.6		ug/L		94	56 - 134
1,2-Dibromoethane	ND		25.0	28.0		ug/L		112	77 - 120
1,2-Dichlorobenzene	ND		25.0	27.8		ug/L		111	80 - 124
1,2-Dichloroethane	ND		25.0	29.4		ug/L		118	75 - 120
1,2-Dichloropropane	ND		25.0	30.1		ug/L		120	76 - 120
1,3-Dichlorobenzene	ND		25.0	27.2		ug/L		109	77 - 120
1,4-Dichlorobenzene	ND		25.0	27.2		ug/L		109	78 - 124
2-Butanone (MEK)	ND		125	132		ug/L		106	57 - 140
2-Hexanone	ND		125	124		ug/L		99	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	119		ug/L		95	71 - 125
Acetone	ND		125	122		ug/L		98	56 - 142
Benzene	ND		25.0	29.8		ug/L		119	71 - 124
Bromodichloromethane	ND		25.0	29.4		ug/L		118	80 - 122
Bromoform	ND		25.0	24.7		ug/L		99	61 - 132
Bromomethane	ND		25.0	29.6		ug/L		119	55 - 144
Carbon disulfide	ND		25.0	26.5		ug/L		106	59 - 134
Carbon tetrachloride	ND	F1	25.0	38.0	F1	ug/L		152	72 - 134
Chlorobenzene	ND		25.0	27.9		ug/L		112	80 - 120
Chloroethane	ND		25.0	30.0		ug/L		120	69 - 136
Chloroform	ND		25.0	29.2		ug/L		117	73 - 127
Chloromethane	ND		25.0	30.7		ug/L		123	68 - 124
cis-1,2-Dichloroethene	ND		25.0	30.6		ug/L		122	74 - 124
cis-1,3-Dichloropropene	ND		25.0	29.8		ug/L		119	74 - 124
Cyclohexane	ND		25.0	27.9		ug/L		111	59 - 135
Dibromochloromethane	ND		25.0	29.3		ug/L		117	75 - 125
Dichlorodifluoromethane	ND	F1	25.0	39.0	F1	ug/L		156	59 - 135
Ethylbenzene	ND		25.0	29.2		ug/L		117	77 - 123
Isopropylbenzene	ND		25.0	27.5		ug/L		110	77 - 122
Methyl acetate	ND		50.0	52.2		ug/L		104	74 - 133
Methyl tert-butyl ether	ND		25.0	29.5		ug/L		118	77 - 120
Methylcyclohexane	ND		25.0	28.4		ug/L		114	68 - 134
Methylene Chloride	ND		25.0	29.6		ug/L		119	75 - 124
Styrene	ND		25.0	21.5		ug/L		86	80 - 120
Tetrachloroethene	ND	F1	25.0	31.7	F1	ug/L		127	74 - 122
Toluene	ND		25.0	27.7		ug/L		111	80 - 122
trans-1,2-Dichloroethene	ND		25.0	31.1		ug/L		124	73 - 127
trans-1,3-Dichloropropene	ND		25.0	23.0		ug/L		92	80 - 120
Trichloroethene	ND	F1	25.0	31.2	F1	ug/L		125	74 - 123
Trichlorofluoromethane	ND		25.0	33.1		ug/L		132	62 - 150
Vinyl chloride	ND		25.0	29.9		ug/L		120	65 - 133
Xylenes, Total	ND		50.0	57.6		ug/L		115	76 - 122

Eurofins Buffalo

QC Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-235192-4 MS

Matrix: Water

Analysis Batch: 764803

Client Sample ID: MW11

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Dibromofluoromethane (Surr)	113		75 - 123
Toluene-d8 (Surr)	93		80 - 120

Lab Sample ID: 480-235192-4 MSD

Matrix: Water

Analysis Batch: 764803

Client Sample ID: MW11

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND	F1	25.0	33.5	F1	ug/L		134	73 - 126	4	15
1,1,2,2-Tetrachloroethane	ND		25.0	23.5		ug/L		94	76 - 120	2	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	29.4		ug/L		117	61 - 148	5	20
1,1,2-Trichloroethane	ND		25.0	25.7		ug/L		103	76 - 122	4	15
1,1-Dichloroethane	ND		25.0	27.2		ug/L		109	77 - 120	5	20
1,1-Dichloroethene	ND	F1	25.0	32.7	F1	ug/L		131	66 - 127	1	16
1,2,4-Trichlorobenzene	ND		25.0	28.9		ug/L		116	79 - 122	2	20
1,2-Dibromo-3-Chloropropane	ND		25.0	23.9		ug/L		96	56 - 134	2	15
1,2-Dibromoethane	ND		25.0	28.9		ug/L		116	77 - 120	3	15
1,2-Dichlorobenzene	ND		25.0	27.2		ug/L		109	80 - 124	2	20
1,2-Dichloroethane	ND		25.0	27.6		ug/L		110	75 - 120	6	20
1,2-Dichloropropane	ND		25.0	28.3		ug/L		113	76 - 120	6	20
1,3-Dichlorobenzene	ND		25.0	26.3		ug/L		105	77 - 120	4	20
1,4-Dichlorobenzene	ND		25.0	26.2		ug/L		105	78 - 124	4	20
2-Butanone (MEK)	ND		125	130		ug/L		104	57 - 140	2	20
2-Hexanone	ND		125	120		ug/L		96	65 - 127	4	15
4-Methyl-2-pentanone (MIBK)	ND		125	117		ug/L		94	71 - 125	2	35
Acetone	ND		125	128		ug/L		103	56 - 142	5	15
Benzene	ND		25.0	28.4		ug/L		114	71 - 124	5	13
Bromodichloromethane	ND		25.0	28.7		ug/L		115	80 - 122	2	15
Bromoform	ND		25.0	24.5		ug/L		98	61 - 132	1	15
Bromomethane	ND		25.0	29.7		ug/L		119	55 - 144	0	15
Carbon disulfide	ND		25.0	28.2		ug/L		113	59 - 134	6	15
Carbon tetrachloride	ND	F1	25.0	36.6	F1	ug/L		146	72 - 134	4	15
Chlorobenzene	ND		25.0	28.0		ug/L		112	80 - 120	0	25
Chloroethane	ND		25.0	29.5		ug/L		118	69 - 136	2	15
Chloroform	ND		25.0	28.4		ug/L		114	73 - 127	3	20
Chloromethane	ND		25.0	29.6		ug/L		118	68 - 124	3	15
cis-1,2-Dichloroethene	ND		25.0	29.2		ug/L		117	74 - 124	5	15
cis-1,3-Dichloropropene	ND		25.0	29.0		ug/L		116	74 - 124	3	15
Cyclohexane	ND		25.0	27.2		ug/L		109	59 - 135	3	20
Dibromochloromethane	ND		25.0	28.9		ug/L		116	75 - 125	1	15
Dichlorodifluoromethane	ND	F1	25.0	40.7	F1	ug/L		163	59 - 135	4	20
Ethylbenzene	ND		25.0	27.3		ug/L		109	77 - 123	7	15
Isopropylbenzene	ND		25.0	26.9		ug/L		108	77 - 122	2	20
Methyl acetate	ND		50.0	49.1		ug/L		98	74 - 133	6	20
Methyl tert-butyl ether	ND		25.0	27.9		ug/L		111	77 - 120	6	37
Methylcyclohexane	ND		25.0	28.6		ug/L		114	68 - 134	0	20

Eurofins Buffalo

QC Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-235192-4 MSD

Matrix: Water

Analysis Batch: 764803

Client Sample ID: MW11

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylene Chloride	ND		25.0	27.9		ug/L		112	75 - 124	6	15
Styrene	ND		25.0	20.9		ug/L		84	80 - 120	3	20
Tetrachloroethene	ND	F1	25.0	30.7	F1	ug/L		123	74 - 122	3	20
Toluene	ND		25.0	26.2		ug/L		105	80 - 122	6	15
trans-1,2-Dichloroethene	ND		25.0	29.4		ug/L		118	73 - 127	6	20
trans-1,3-Dichloropropene	ND		25.0	22.9		ug/L		92	80 - 120	1	15
Trichloroethene	ND	F1	25.0	29.9		ug/L		120	74 - 123	4	16
Trichlorofluoromethane	ND		25.0	33.8		ug/L		135	62 - 150	2	20
Vinyl chloride	ND		25.0	29.9		ug/L		120	65 - 133	0	15
Xylenes, Total	ND		50.0	54.1		ug/L		108	76 - 122	6	16
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	105		77 - 120								
4-Bromofluorobenzene (Surr)	97		73 - 120								
Dibromofluoromethane (Surr)	113		75 - 123								
Toluene-d8 (Surr)	94		80 - 120								

Lab Sample ID: MB 480-764908/9

Matrix: Water

Analysis Batch: 764908

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/16/25 14:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/16/25 14:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/16/25 14:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/16/25 14:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/16/25 14:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/16/25 14:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/16/25 14:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/16/25 14:22	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/16/25 14:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/16/25 14:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/16/25 14:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/16/25 14:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/16/25 14:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/16/25 14:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/16/25 14:22	1
2-Hexanone	ND		5.0	1.2	ug/L			12/16/25 14:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/16/25 14:22	1
Acetone	ND		10	3.0	ug/L			12/16/25 14:22	1
Benzene	ND		1.0	0.41	ug/L			12/16/25 14:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/16/25 14:22	1
Bromoform	ND		1.0	0.26	ug/L			12/16/25 14:22	1
Bromomethane	ND		1.0	0.69	ug/L			12/16/25 14:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/16/25 14:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/16/25 14:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/16/25 14:22	1
Chloroethane	ND		1.0	0.32	ug/L			12/16/25 14:22	1

Eurofins Buffalo

QC Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-764908/9

Matrix: Water

Analysis Batch: 764908

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.34	ug/L			12/16/25 14:22	1
Chloromethane	ND		1.0	0.35	ug/L			12/16/25 14:22	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/16/25 14:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/16/25 14:22	1
Cyclohexane	ND		1.0	0.18	ug/L			12/16/25 14:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/16/25 14:22	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/16/25 14:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/16/25 14:22	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/16/25 14:22	1
Methyl acetate	ND		2.5	1.3	ug/L			12/16/25 14:22	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/16/25 14:22	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/16/25 14:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/16/25 14:22	1
Styrene	ND		1.0	0.73	ug/L			12/16/25 14:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/16/25 14:22	1
Toluene	ND		1.0	0.51	ug/L			12/16/25 14:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/16/25 14:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/16/25 14:22	1
Trichloroethene	ND		1.0	0.46	ug/L			12/16/25 14:22	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/16/25 14:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/16/25 14:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/16/25 14:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		12/16/25 14:22	1
4-Bromofluorobenzene (Surr)	98		73 - 120		12/16/25 14:22	1
Dibromofluoromethane (Surr)	101		75 - 123		12/16/25 14:22	1
Toluene-d8 (Surr)	101		80 - 120		12/16/25 14:22	1

Lab Sample ID: LCS 480-764908/6

Matrix: Water

Analysis Batch: 764908

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	25.6		ug/L		102	73 - 126
1,1,1,2-Tetrachloroethane	25.0	26.0		ug/L		104	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	29.0		ug/L		116	61 - 148
1,1,2-Trichloroethane	25.0	27.2		ug/L		109	76 - 122
1,1-Dichloroethane	25.0	26.8		ug/L		107	77 - 120
1,1-Dichloroethene	25.0	27.7		ug/L		111	66 - 127
1,2,4-Trichlorobenzene	25.0	27.9		ug/L		112	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	26.1		ug/L		104	56 - 134
1,2-Dibromoethane	25.0	25.6		ug/L		102	77 - 120
1,2-Dichlorobenzene	25.0	26.8		ug/L		107	80 - 124
1,2-Dichloroethane	25.0	25.0		ug/L		100	75 - 120
1,2-Dichloropropane	25.0	27.4		ug/L		109	76 - 120
1,3-Dichlorobenzene	25.0	25.5		ug/L		102	77 - 120
1,4-Dichlorobenzene	25.0	25.5		ug/L		102	80 - 120

Eurofins Buffalo

QC Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-764908/6

Matrix: Water

Analysis Batch: 764908

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	125	143		ug/L		115	57 - 140
2-Hexanone	125	128		ug/L		102	65 - 127
4-Methyl-2-pentanone (MIBK)	125	128		ug/L		102	71 - 125
Acetone	125	152		ug/L		121	56 - 142
Benzene	25.0	26.3		ug/L		105	71 - 124
Bromodichloromethane	25.0	26.5		ug/L		106	80 - 122
Bromoform	25.0	25.3		ug/L		101	61 - 132
Bromomethane	25.0	21.5		ug/L		86	55 - 144
Carbon disulfide	25.0	27.5		ug/L		110	59 - 134
Carbon tetrachloride	25.0	26.6		ug/L		107	72 - 134
Chlorobenzene	25.0	26.7		ug/L		107	80 - 120
Chloroethane	25.0	22.1		ug/L		88	69 - 136
Chloroform	25.0	26.3		ug/L		105	73 - 127
Chloromethane	25.0	24.8		ug/L		99	68 - 124
cis-1,2-Dichloroethene	25.0	27.1		ug/L		108	74 - 124
cis-1,3-Dichloropropene	25.0	27.2		ug/L		109	74 - 124
Cyclohexane	25.0	27.9		ug/L		112	59 - 135
Dibromochloromethane	25.0	26.5		ug/L		106	75 - 125
Dichlorodifluoromethane	25.0	30.9		ug/L		123	59 - 135
Ethylbenzene	25.0	25.8		ug/L		103	77 - 123
Isopropylbenzene	25.0	27.7		ug/L		111	77 - 122
Methyl acetate	50.0	59.8		ug/L		120	74 - 133
Methyl tert-butyl ether	25.0	22.3		ug/L		89	77 - 120
Methylcyclohexane	25.0	28.8		ug/L		115	68 - 134
Methylene Chloride	25.0	26.8		ug/L		107	75 - 124
Styrene	25.0	26.1		ug/L		104	80 - 120
Tetrachloroethene	25.0	26.7		ug/L		107	74 - 122
Toluene	25.0	26.2		ug/L		105	80 - 122
trans-1,2-Dichloroethene	25.0	26.5		ug/L		106	73 - 127
trans-1,3-Dichloropropene	25.0	27.0		ug/L		108	80 - 120
Trichloroethene	25.0	26.6		ug/L		106	74 - 123
Trichlorofluoromethane	25.0	27.9		ug/L		111	62 - 150
Vinyl chloride	25.0	26.0		ug/L		104	65 - 133
Xylenes, Total	50.0	52.5		ug/L		105	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	96		73 - 120
Dibromofluoromethane (Surr)	103		75 - 123
Toluene-d8 (Surr)	100		80 - 120

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 480-764962/6

Matrix: Water

Analysis Batch: 764962

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			12/17/25 07:47	1

Eurofins Buffalo

QC Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: MB 480-764962/6

Matrix: Water

Analysis Batch: 764962

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	ND		7.5	1.5	ug/L			12/17/25 07:47	1
Ethene	ND		7.0	1.5	ug/L			12/17/25 07:47	1

Lab Sample ID: LCS 480-764962/7

Matrix: Water

Analysis Batch: 764962

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methane	19.5	19.5		ug/L		100	85 - 115
Ethane	36.5	35.8		ug/L		98	85 - 115
Ethene	34.0	32.8		ug/L		96	85 - 115

Lab Sample ID: MB 480-765098/5

Matrix: Water

Analysis Batch: 765098

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			12/18/25 06:59	1
Ethane	ND		7.5	1.5	ug/L			12/18/25 06:59	1
Ethene	ND		7.0	1.5	ug/L			12/18/25 06:59	1

Lab Sample ID: LCS 480-765098/6

Matrix: Water

Analysis Batch: 765098

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methane	19.5	19.5		ug/L		100	85 - 115
Ethane	36.5	36.4		ug/L		100	85 - 115
Ethene	34.0	33.4		ug/L		98	85 - 115

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Lab Sample ID: MB 410-744380/12-A

Matrix: Water

Analysis Batch: 744636

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 744380

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafuoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.50	ng/L		12/15/25 16:28	12/17/25 06:17	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.0	1.0	ng/L		12/15/25 16:28	12/17/25 06:17	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.0	1.0	ng/L		12/15/25 16:28	12/17/25 06:17	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.0	1.0	ng/L		12/15/25 16:28	12/17/25 06:17	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		10	2.5	ng/L		12/15/25 16:28	12/17/25 06:17	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		10	2.8	ng/L		12/15/25 16:28	12/17/25 06:17	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.0	1.0	ng/L		12/15/25 16:28	12/17/25 06:17	1

Eurofins Buffalo

QC Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-744380/12-A

Matrix: Water

Analysis Batch: 744636

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 744380

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		12/15/25 16:28	12/17/25 06:17	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ND		2.0	0.50	ng/L		12/15/25 16:28	12/17/25 06:17	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	1.4	ng/L		12/15/25 16:28	12/17/25 06:17	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	0.50	ng/L		12/15/25 16:28	12/17/25 06:17	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		10	4.0	ng/L		12/15/25 16:28	12/17/25 06:17	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.50	ng/L		12/15/25 16:28	12/17/25 06:17	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50	ng/L		12/15/25 16:28	12/17/25 06:17	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		10	2.5	ng/L		12/15/25 16:28	12/17/25 06:17	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.50	ng/L		12/15/25 16:28	12/17/25 06:17	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.50	ng/L		12/15/25 16:28	12/17/25 06:17	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		2.0	0.50	ng/L		12/15/25 16:28	12/17/25 06:17	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.50	ng/L		12/15/25 16:28	12/17/25 06:17	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.50	ng/L		12/15/25 16:28	12/17/25 06:17	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50	ng/L		12/15/25 16:28	12/17/25 06:17	1
Perfluorobutanoic acid (PFBA)	ND		4.0	1.1	ng/L		12/15/25 16:28	12/17/25 06:17	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		12/15/25 16:28	12/17/25 06:17	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		12/15/25 16:28	12/17/25 06:17	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60	ng/L		12/15/25 16:28	12/17/25 06:17	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50	ng/L		12/15/25 16:28	12/17/25 06:17	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		12/15/25 16:28	12/17/25 06:17	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80	ng/L		12/15/25 16:28	12/17/25 06:17	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80	ng/L		12/15/25 16:28	12/17/25 06:17	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		12/15/25 16:28	12/17/25 06:17	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		12/15/25 16:28	12/17/25 06:17	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		12/15/25 16:28	12/17/25 06:17	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		12/15/25 16:28	12/17/25 06:17	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		12/15/25 16:28	12/17/25 06:17	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.90	ng/L		12/15/25 16:28	12/17/25 06:17	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		12/15/25 16:28	12/17/25 06:17	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.60	ng/L		12/15/25 16:28	12/17/25 06:17	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		12/15/25 16:28	12/17/25 06:17	1
Perfluorotridecanoic acid (PFTrDA)	ND		2.0	0.50	ng/L		12/15/25 16:28	12/17/25 06:17	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		12/15/25 16:28	12/17/25 06:17	1
Isotope Dilution	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 4:2 FTS	106		40 - 200				12/15/25 16:28	12/17/25 06:17	1
13C2 6:2 FTS	114		40 - 200				12/15/25 16:28	12/17/25 06:17	1

Eurofins Buffalo

QC Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-744380/12-A

Matrix: Water

Analysis Batch: 744636

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 744380

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 8:2 FTS	142		40 - 300	12/15/25 16:28	12/17/25 06:17	1
13C2 PFDoA	87.9		10 - 130	12/15/25 16:28	12/17/25 06:17	1
13C2 PFTeDA	81.8		10 - 130	12/15/25 16:28	12/17/25 06:17	1
13C3 HFPO-DA	101		40 - 130	12/15/25 16:28	12/17/25 06:17	1
13C3 PFBS	101		40 - 135	12/15/25 16:28	12/17/25 06:17	1
13C3 PFHxS	104		40 - 130	12/15/25 16:28	12/17/25 06:17	1
13C4 PFBA	100		5 - 130	12/15/25 16:28	12/17/25 06:17	1
13C4 PFHpA	110		40 - 130	12/15/25 16:28	12/17/25 06:17	1
13C5 PFHxA	105		40 - 130	12/15/25 16:28	12/17/25 06:17	1
13C5 PFPeA	107		40 - 130	12/15/25 16:28	12/17/25 06:17	1
13C6 PFDA	97.2		40 - 130	12/15/25 16:28	12/17/25 06:17	1
13C7 PFUnA	94.9		30 - 130	12/15/25 16:28	12/17/25 06:17	1
13C8 FOSA	81.3		40 - 130	12/15/25 16:28	12/17/25 06:17	1
13C8 PFOA	102		40 - 130	12/15/25 16:28	12/17/25 06:17	1
13C8 PFOS	101		40 - 130	12/15/25 16:28	12/17/25 06:17	1
13C9 PFNA	102		40 - 130	12/15/25 16:28	12/17/25 06:17	1
d3-NMeFOSAA	85.4		40 - 170	12/15/25 16:28	12/17/25 06:17	1
d3-NMePFOSA	68.8		10 - 130	12/15/25 16:28	12/17/25 06:17	1
d5-NEtFOSAA	81.6		25 - 135	12/15/25 16:28	12/17/25 06:17	1
d5-NEtPFOSA	70.2		10 - 130	12/15/25 16:28	12/17/25 06:17	1
d7-N-MeFOSE-M	68.5		10 - 130	12/15/25 16:28	12/17/25 06:17	1
d9-N-EtFOSE-M	64.1		10 - 130	12/15/25 16:28	12/17/25 06:17	1

Lab Sample ID: LCS 410-744380/13-A

Matrix: Water

Analysis Batch: 744636

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 744380

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	37.8	29.9		ng/L		79	55 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	68.5		ng/L		89	60 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	65.2		ng/L		87	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	63.9		ng/L		84	65 - 155
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	138		ng/L		69	50 - 145
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	146		ng/L		73	70 - 135
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	61.8		ng/L		77	65 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	35.8		ng/L		95	65 - 145
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	37.4	32.1		ng/L		86	70 - 155
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.0	27.4		ng/L		91	70 - 140
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	34.9		ng/L		87	65 - 145

Eurofins Buffalo

QC Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-744380/13-A

Matrix: Water

Analysis Batch: 744636

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 744380

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	178		ng/L		89	70 - 135
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	36.4		ng/L		91	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	36.0		ng/L		90	60 - 150
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	175		ng/L		88	70 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	34.5		ng/L		86	50 - 140
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	35.3		ng/L		88	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	35.7	37.4		ng/L		105	70 - 140
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	35.5		ng/L		89	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	32.6		ng/L		82	60 - 150
Perfluorobutanesulfonic acid (PFBS)	35.5	29.0		ng/L		82	60 - 145
Perfluorobutanoic acid (PFBA)	80.0	70.1		ng/L		88	70 - 140
Perfluorodecanesulfonic acid (PFDS)	38.6	32.0		ng/L		83	60 - 145
Perfluorodecanoic acid (PFDA)	40.0	33.4		ng/L		83	70 - 140
Perfluorododecanesulfonic acid (PFDoS)	38.8	30.4		ng/L		78	50 - 145
Perfluorododecanoic acid (PFDaA)	40.0	34.1		ng/L		85	70 - 140
Perfluoroheptanesulfonic acid (PFHpS)	38.2	29.7		ng/L		78	70 - 150
Perfluoroheptanoic acid (PFHpA)	40.0	36.8		ng/L		92	70 - 150
Perfluorohexanesulfonic acid (PFHxS)	36.5	33.9		ng/L		93	65 - 145
Perfluorohexanoic acid (PFHxA)	40.0	36.6		ng/L		91	70 - 145
Perfluorononanesulfonic acid (PFNS)	38.5	31.7		ng/L		82	65 - 145
Perfluorononanoic acid (PFNA)	40.0	35.9		ng/L		90	70 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	34.8		ng/L		87	70 - 145
Perfluorooctanesulfonic acid (PFOS)	37.2	30.7		ng/L		82	55 - 150
Perfluorooctanoic acid (PFOA)	40.0	35.4		ng/L		88	70 - 150
Perfluoropentanesulfonic acid (PFPeS)	37.6	35.4		ng/L		94	65 - 140
Perfluoropentanoic acid (PFPeA)	40.0	35.6		ng/L		89	65 - 135
Perfluorotetradecanoic acid (PFTeDA)	40.0	36.8		ng/L		92	60 - 140
Perfluorotridecanoic acid (PFTrDA)	40.0	34.7		ng/L		87	65 - 140
Perfluoroundecanoic acid (PFUnA)	40.0	34.4		ng/L		86	70 - 145

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
¹³ C2 4:2 FTS	95.8		40 - 200

Eurofins Buffalo

QC Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-744380/13-A

Matrix: Water

Analysis Batch: 744636

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 744380

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C2 6:2 FTS	101		40 - 200
13C2 8:2 FTS	135		40 - 300
13C2 PFDoA	93.8		10 - 130
13C2 PFTeDA	80.4		10 - 130
13C3 HFPO-DA	99.3		40 - 130
13C3 PFBS	103		40 - 135
13C3 PFHxS	95.9		40 - 130
13C4 PFBA	101		5 - 130
13C4 PFHpA	102		40 - 130
13C5 PFHxA	95.5		40 - 130
13C5 PFPeA	106		40 - 130
13C6 PFDA	98.9		40 - 130
13C7 PFUnA	101		30 - 130
13C8 FOSA	85.2		40 - 130
13C8 PFOA	105		40 - 130
13C8 PFOS	101		40 - 130
13C9 PFNA	99.0		40 - 130
d3-NMeFOSAA	91.1		40 - 170
d3-NMePFOSA	79.4		10 - 130
d5-NEtFOSAA	86.5		25 - 135
d5-NEtPFOSA	82.8		10 - 130
d7-N-MeFOSE-M	73.4		10 - 130
d9-N-EtFOSE-M	69.2		10 - 130

Lab Sample ID: LLCS 410-744380/14-A

Matrix: Water

Analysis Batch: 744636

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 744380

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	3.78	3.19		ng/L		85	55 - 160
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	6.46		ng/L		84	60 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	6.57		ng/L		88	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	7.34		ng/L		96	65 - 155
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	20.0	14.9		ng/L		75	50 - 145
3-Perfluoropentylpropanoic acid (5:3 FTCA)	20.0	15.2		ng/L		76	70 - 135
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.00	6.40		ng/L		80	65 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.51		ng/L		93	65 - 145
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	3.74	3.08		ng/L		82	70 - 155
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.00	2.89		ng/L		96	70 - 140

Eurofins Buffalo

QC Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-744380/14-A

Matrix: Water

Analysis Batch: 744636

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 744380

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.00	3.43		ng/L		86	65 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	18.0		ng/L		90	70 - 135
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	3.56		ng/L		89	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.00	3.72		ng/L		93	60 - 150
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	21.1		ng/L		105	70 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	3.57		ng/L		89	50 - 140
Nonafluoro-3,6-dioxahheptanoic acid (NFDHA)	4.00	4.03		ng/L		101	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.57	3.16		ng/L		89	70 - 140
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	3.52		ng/L		88	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	3.23		ng/L		81	60 - 150
Perfluorobutanesulfonic acid (PFBS)	3.55	3.03		ng/L		85	60 - 145
Perfluorobutanoic acid (PFBA)	8.00	7.05		ng/L		88	70 - 140
Perfluorodecanesulfonic acid (PFDS)	3.86	3.30		ng/L		86	60 - 145
Perfluorodecanoic acid (PFDA)	4.00	3.44		ng/L		86	70 - 140
Perfluorododecanesulfonic acid (PFDoS)	3.88	3.07		ng/L		79	50 - 145
Perfluorododecanoic acid (PFDoA)	4.00	3.70		ng/L		93	70 - 140
Perfluoroheptanesulfonic acid (PFHpS)	3.82	3.49		ng/L		91	70 - 150
Perfluoroheptanoic acid (PFHpA)	4.00	3.66		ng/L		92	70 - 150
Perfluorohexanesulfonic acid (PFHxS)	3.65	3.14		ng/L		86	65 - 145
Perfluorohexanoic acid (PFHxA)	4.00	4.28		ng/L		107	70 - 145
Perfluorononanesulfonic acid (PFNS)	3.85	3.13		ng/L		81	65 - 145
Perfluorononanoic acid (PFNA)	4.00	3.10		ng/L		78	70 - 150
Perfluorooctanesulfonamide (PFOSA)	4.00	3.64		ng/L		91	70 - 145
Perfluorooctanesulfonic acid (PFOS)	3.72	3.45		ng/L		93	55 - 150
Perfluorooctanoic acid (PFOA)	4.00	3.81		ng/L		95	70 - 150
Perfluoropentanesulfonic acid (PFPeS)	3.76	3.44		ng/L		91	65 - 140
Perfluoropentanoic acid (PFPeA)	4.00	3.71		ng/L		93	65 - 135
Perfluorotetradecanoic acid (PFTeDA)	4.00	3.14		ng/L		78	60 - 140
Perfluorotridecanoic acid (PFTrDA)	4.00	3.33		ng/L		83	65 - 140
Perfluoroundecanoic acid (PFUnA)	4.00	3.44		ng/L		86	70 - 145

Eurofins Buffalo

QC Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	LLCS		Limits
	%Recovery	Qualifier	
13C2 4:2 FTS	91.6		40 - 200
13C2 6:2 FTS	97.8		40 - 200
13C2 8:2 FTS	128		40 - 300
13C2 PFDoA	86.3		10 - 130
13C2 PFTeDA	82.8		10 - 130
13C3 HFPO-DA	95.3		40 - 130
13C3 PFBS	94.1		40 - 135
13C3 PFHxS	92.9		40 - 130
13C4 PFBA	94.6		5 - 130
13C4 PFHpA	94.1		40 - 130
13C5 PFHxA	88.6		40 - 130
13C5 PFPeA	101		40 - 130
13C6 PFDA	94.2		40 - 130
13C7 PFUnA	90.6		30 - 130
13C8 FOSA	79.9		40 - 130
13C8 PFOA	88.3		40 - 130
13C8 PFOS	87.9		40 - 130
13C9 PFNA	91.4		40 - 130
d3-NMeFOSAA	82.4		40 - 170
d3-NMePFOSA	69.0		10 - 130
d5-NEtFOSAA	81.5		25 - 135
d5-NEtPFOSA	71.9		10 - 130
d7-N-MeFOSE-M	54.6		10 - 130
d9-N-EtFOSE-M	50.8		10 - 130

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 480-764790/1-A
Matrix: Water
Analysis Batch: 764880

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 764790

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		12/15/25 08:22	12/15/25 18:56	1

Lab Sample ID: LCS 480-764790/2-A
Matrix: Water
Analysis Batch: 764935

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 764790

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5.10	5.91		mg/L		116	80 - 120

Lab Sample ID: 480-235192-10 MS
Matrix: Water
Analysis Batch: 764880

Client Sample ID: MW2R
Prep Type: Total/NA
Prep Batch: 764790

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	0.52		5.10	6.48		mg/L		117	75 - 125

Eurofins Buffalo

QC Sample Results

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 480-235192-10 MSD

Matrix: Water

Analysis Batch: 764880

Client Sample ID: MW2R

Prep Type: Total/NA

Prep Batch: 764790

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	0.52		5.10	6.44		mg/L		116	75 - 125	1	20

Lab Sample ID: MB 480-764788/1-A

Matrix: Water

Analysis Batch: 764880

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 764788

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.050	0.019	mg/L		12/15/25 09:14	12/15/25 18:18	1

Lab Sample ID: LCS 480-764788/2-A

Matrix: Water

Analysis Batch: 764880

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 764788

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron, Dissolved	5.10	6.13		mg/L		120	80 - 120

Lab Sample ID: 480-235192-9 MS

Matrix: Water

Analysis Batch: 764880

Client Sample ID: MW1R

Prep Type: Dissolved

Prep Batch: 764788

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron, Dissolved	0.24		5.10	6.61		mg/L		125	75 - 125

Lab Sample ID: 480-235192-9 MSD

Matrix: Water

Analysis Batch: 764880

Client Sample ID: MW1R

Prep Type: Dissolved

Prep Batch: 764788

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron, Dissolved	0.24		5.10	6.55		mg/L		124	75 - 125	1	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-765039/4

Matrix: Water

Analysis Batch: 765039

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		2.0	0.35	mg/L			12/17/25 15:16	1

Lab Sample ID: LCS 480-765039/5

Matrix: Water

Analysis Batch: 765039

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	50.1	49.14		mg/L		98	90 - 110

Eurofins Buffalo

QC Association Summary

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

GC/MS VOA

Analysis Batch: 764697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235192-1	MW6	Total/NA	Water	8260C	
480-235192-2	MW7	Total/NA	Water	8260C	
480-235192-3	MW8	Total/NA	Water	8260C	
480-235192-4	MW11	Total/NA	Water	8260C	
480-235192-5	MW12S	Total/NA	Water	8260C	
480-235192-6	MW1C	Total/NA	Water	8260C	
480-235192-7	MW1D	Total/NA	Water	8260C	
480-235192-8	MW1E	Total/NA	Water	8260C	
480-235192-9	MW1R	Total/NA	Water	8260C	
480-235192-10	MW2R	Total/NA	Water	8260C	
480-235192-11	MW3S	Total/NA	Water	8260C	
480-235192-12	MW3I	Total/NA	Water	8260C	
480-235192-14	MW4I	Total/NA	Water	8260C	
480-235192-15	MW5S	Total/NA	Water	8260C	
480-235192-16	MW5I	Total/NA	Water	8260C	
480-235192-18	FB	Total/NA	Water	8260C	
480-235192-19	TRIP BLANK	Total/NA	Water	8260C	
MB 480-764697/8	Method Blank	Total/NA	Water	8260C	
LCS 480-764697/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 764803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235192-13	MW4S	Total/NA	Water	8260C	
MB 480-764803/9	Method Blank	Total/NA	Water	8260C	
LCS 480-764803/6	Lab Control Sample	Total/NA	Water	8260C	
480-235192-4 MS	MW11	Total/NA	Water	8260C	
480-235192-4 MSD	MW11	Total/NA	Water	8260C	

Analysis Batch: 764908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235192-17	DUP	Total/NA	Water	8260C	
MB 480-764908/9	Method Blank	Total/NA	Water	8260C	
LCS 480-764908/6	Lab Control Sample	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 764962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235192-9	MW1R	Total/NA	Water	RSK-175	
480-235192-10	MW2R	Total/NA	Water	RSK-175	
480-235192-11	MW3S	Total/NA	Water	RSK-175	
480-235192-12	MW3I	Total/NA	Water	RSK-175	
480-235192-13	MW4S	Total/NA	Water	RSK-175	
480-235192-14	MW4I	Total/NA	Water	RSK-175	
MB 480-764962/6	Method Blank	Total/NA	Water	RSK-175	
LCS 480-764962/7	Lab Control Sample	Total/NA	Water	RSK-175	

Analysis Batch: 765098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235192-12 - DL	MW3I	Total/NA	Water	RSK-175	
MB 480-765098/5	Method Blank	Total/NA	Water	RSK-175	

Eurofins Buffalo

QC Association Summary

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

GC VOA (Continued)

Analysis Batch: 765098 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-765098/6	Lab Control Sample	Total/NA	Water	RSK-175	

LCMS

Prep Batch: 744380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235192-11	MW3S	Total/NA	Water	1633A	
480-235192-12	MW3I	Total/NA	Water	1633A	
480-235192-13	MW4S	Total/NA	Water	1633A	
480-235192-14	MW4I	Total/NA	Water	1633A	
480-235192-15	MW5S	Total/NA	Water	1633A	
480-235192-16	MW5I	Total/NA	Water	1633A	
480-235192-17	DUP	Total/NA	Water	1633A	
MB 410-744380/12-A	Method Blank	Total/NA	Water	1633A	
LCS 410-744380/13-A	Lab Control Sample	Total/NA	Water	1633A	
LLCS 410-744380/14-A	Lab Control Sample	Total/NA	Water	1633A	

Analysis Batch: 744636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-744380/12-A	Method Blank	Total/NA	Water	1633A	744380
LCS 410-744380/13-A	Lab Control Sample	Total/NA	Water	1633A	744380
LLCS 410-744380/14-A	Lab Control Sample	Total/NA	Water	1633A	744380

Analysis Batch: 747550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235192-11	MW3S	Total/NA	Water	1633A	744380
480-235192-12	MW3I	Total/NA	Water	1633A	744380
480-235192-13	MW4S	Total/NA	Water	1633A	744380
480-235192-14	MW4I	Total/NA	Water	1633A	744380
480-235192-15	MW5S	Total/NA	Water	1633A	744380
480-235192-16	MW5I	Total/NA	Water	1633A	744380
480-235192-17	DUP	Total/NA	Water	1633A	744380

Metals

Prep Batch: 764788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235192-9	MW1R	Dissolved	Water	3005A	
480-235192-10	MW2R	Dissolved	Water	3005A	
480-235192-11	MW3S	Dissolved	Water	3005A	
480-235192-12	MW3I	Dissolved	Water	3005A	
480-235192-13	MW4S	Dissolved	Water	3005A	
480-235192-14	MW4I	Dissolved	Water	3005A	
MB 480-764788/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 480-764788/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
480-235192-9 MS	MW1R	Dissolved	Water	3005A	
480-235192-9 MSD	MW1R	Dissolved	Water	3005A	

Prep Batch: 764790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235192-9	MW1R	Total/NA	Water	3005A	
480-235192-10	MW2R	Total/NA	Water	3005A	

Eurofins Buffalo

QC Association Summary

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Metals (Continued)

Prep Batch: 764790 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235192-11	MW3S	Total/NA	Water	3005A	
480-235192-12	MW3I	Total/NA	Water	3005A	
480-235192-13	MW4S	Total/NA	Water	3005A	
480-235192-14	MW4I	Total/NA	Water	3005A	
MB 480-764790/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-764790/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-235192-10 MS	MW2R	Total/NA	Water	3005A	
480-235192-10 MSD	MW2R	Total/NA	Water	3005A	

Analysis Batch: 764880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235192-9	MW1R	Dissolved	Water	6010D	764788
480-235192-9	MW1R	Total/NA	Water	6010D	764790
480-235192-10	MW2R	Dissolved	Water	6010D	764788
480-235192-10	MW2R	Total/NA	Water	6010D	764790
480-235192-11	MW3S	Dissolved	Water	6010D	764788
480-235192-11	MW3S	Total/NA	Water	6010D	764790
480-235192-12	MW3I	Dissolved	Water	6010D	764788
480-235192-12	MW3I	Total/NA	Water	6010D	764790
480-235192-13	MW4S	Dissolved	Water	6010D	764788
480-235192-13	MW4S	Total/NA	Water	6010D	764790
480-235192-14	MW4I	Dissolved	Water	6010D	764788
480-235192-14	MW4I	Total/NA	Water	6010D	764790
MB 480-764788/1-A	Method Blank	Total Recoverable	Water	6010D	764788
MB 480-764790/1-A	Method Blank	Total/NA	Water	6010D	764790
LCS 480-764788/2-A	Lab Control Sample	Total Recoverable	Water	6010D	764788
480-235192-9 MS	MW1R	Dissolved	Water	6010D	764788
480-235192-9 MSD	MW1R	Dissolved	Water	6010D	764788
480-235192-10 MS	MW2R	Total/NA	Water	6010D	764790
480-235192-10 MSD	MW2R	Total/NA	Water	6010D	764790

Analysis Batch: 764935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-764790/2-A	Lab Control Sample	Total/NA	Water	6010D	764790

General Chemistry

Analysis Batch: 765039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-235192-9	MW1R	Total/NA	Water	300.0	
480-235192-10	MW2R	Total/NA	Water	300.0	
480-235192-11	MW3S	Total/NA	Water	300.0	
480-235192-12	MW3I	Total/NA	Water	300.0	
480-235192-13	MW4S	Total/NA	Water	300.0	
480-235192-14	MW4I	Total/NA	Water	300.0	
MB 480-765039/4	Method Blank	Total/NA	Water	300.0	
LCS 480-765039/5	Lab Control Sample	Total/NA	Water	300.0	

Lab Chronicle

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW6

Date Collected: 12/09/25 15:05

Date Received: 12/12/25 12:00

Lab Sample ID: 480-235192-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	764697	LCH	EET BUF	12/12/25 14:36

Client Sample ID: MW7

Date Collected: 12/09/25 14:20

Date Received: 12/12/25 12:00

Lab Sample ID: 480-235192-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	764697	LCH	EET BUF	12/12/25 14:58

Client Sample ID: MW8

Date Collected: 12/09/25 15:25

Date Received: 12/12/25 12:00

Lab Sample ID: 480-235192-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		4	764697	LCH	EET BUF	12/12/25 15:20

Client Sample ID: MW11

Date Collected: 12/09/25 16:20

Date Received: 12/12/25 12:00

Lab Sample ID: 480-235192-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	764697	LCH	EET BUF	12/12/25 15:43

Client Sample ID: MW12S

Date Collected: 12/09/25 16:30

Date Received: 12/12/25 12:00

Lab Sample ID: 480-235192-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	764697	LCH	EET BUF	12/12/25 16:06

Client Sample ID: MW1C

Date Collected: 12/10/25 15:05

Date Received: 12/12/25 12:00

Lab Sample ID: 480-235192-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		4	764697	LCH	EET BUF	12/12/25 16:28

Client Sample ID: MW1D

Date Collected: 12/10/25 12:50

Date Received: 12/12/25 12:00

Lab Sample ID: 480-235192-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		20	764697	LCH	EET BUF	12/12/25 16:50

Eurofins Buffalo

Lab Chronicle

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW1E

Date Collected: 12/10/25 14:00

Date Received: 12/12/25 12:00

Lab Sample ID: 480-235192-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		100	764697	LCH	EET BUF	12/12/25 17:13

Client Sample ID: MW1R

Date Collected: 12/09/25 13:45

Date Received: 12/12/25 12:00

Lab Sample ID: 480-235192-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		5	764697	LCH	EET BUF	12/12/25 17:35
Total/NA	Analysis	RSK-175		22	764962	MAN	EET BUF	12/17/25 13:45
Dissolved	Prep	3005A			764788	EMO	EET BUF	12/15/25 09:14
Dissolved	Analysis	6010D		1	764880	MP	EET BUF	12/15/25 18:29
Total/NA	Prep	3005A			764790	EMO	EET BUF	12/15/25 08:22
Total/NA	Analysis	6010D		1	764880	MP	EET BUF	12/15/25 19:06
Total/NA	Analysis	300.0		5	765039	AF	EET BUF	12/17/25 18:27

Client Sample ID: MW2R

Date Collected: 12/09/25 15:40

Date Received: 12/12/25 12:00

Lab Sample ID: 480-235192-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	764697	LCH	EET BUF	12/12/25 17:57
Total/NA	Analysis	RSK-175		11	764962	MAN	EET BUF	12/17/25 14:04
Dissolved	Prep	3005A			764788	EMO	EET BUF	12/15/25 09:14
Dissolved	Analysis	6010D		1	764880	MP	EET BUF	12/15/25 18:45
Total/NA	Prep	3005A			764790	EMO	EET BUF	12/15/25 08:22
Total/NA	Analysis	6010D		1	764880	MP	EET BUF	12/15/25 19:08
Total/NA	Analysis	300.0		10	765039	AF	EET BUF	12/17/25 18:41

Client Sample ID: MW3S

Date Collected: 12/10/25 10:45

Date Received: 12/12/25 12:00

Lab Sample ID: 480-235192-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2000	764697	LCH	EET BUF	12/12/25 18:20
Total/NA	Analysis	RSK-175		88	764962	MAN	EET BUF	12/17/25 14:23
Total/NA	Prep	1633A			744380	Y4GV	ELLE	12/15/25 16:28
Total/NA	Analysis	1633A		1	747550	LDU5	ELLE	12/22/25 11:24
Dissolved	Prep	3005A			764788	EMO	EET BUF	12/15/25 09:14
Dissolved	Analysis	6010D		1	764880	MP	EET BUF	12/15/25 18:46
Total/NA	Prep	3005A			764790	EMO	EET BUF	12/15/25 08:22
Total/NA	Analysis	6010D		1	764880	MP	EET BUF	12/15/25 19:17
Total/NA	Analysis	300.0		10	765039	AF	EET BUF	12/17/25 18:56

Eurofins Buffalo

Lab Chronicle

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW3I

Lab Sample ID: 480-235192-12

Date Collected: 12/10/25 13:00

Matrix: Water

Date Received: 12/12/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	764697	LCH	EET BUF	12/12/25 18:42
Total/NA	Analysis	RSK-175		1	764962	MAN	EET BUF	12/17/25 14:42
Total/NA	Analysis	RSK-175	DL	22	765098	MAN	EET BUF	12/18/25 10:31
Total/NA	Prep	1633A			744380	Y4GV	ELLE	12/15/25 16:28
Total/NA	Analysis	1633A		1	747550	LDU5	ELLE	12/22/25 11:38
Dissolved	Prep	3005A			764788	EMO	EET BUF	12/15/25 09:14
Dissolved	Analysis	6010D		1	764880	MP	EET BUF	12/15/25 18:48
Total/NA	Prep	3005A			764790	EMO	EET BUF	12/15/25 08:22
Total/NA	Analysis	6010D		1	764880	MP	EET BUF	12/15/25 19:19
Total/NA	Analysis	300.0		5	765039	AF	EET BUF	12/17/25 19:11

Client Sample ID: MW4S

Lab Sample ID: 480-235192-13

Date Collected: 12/11/25 10:35

Matrix: Water

Date Received: 12/12/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		400	764803	LCH	EET BUF	12/15/25 17:01
Total/NA	Analysis	RSK-175		44	764962	MAN	EET BUF	12/17/25 15:01
Total/NA	Prep	1633A			744380	Y4GV	ELLE	12/15/25 16:28
Total/NA	Analysis	1633A		1	747550	LDU5	ELLE	12/22/25 11:52
Dissolved	Prep	3005A			764788	EMO	EET BUF	12/15/25 09:14
Dissolved	Analysis	6010D		1	764880	MP	EET BUF	12/15/25 18:50
Total/NA	Prep	3005A			764790	EMO	EET BUF	12/15/25 08:22
Total/NA	Analysis	6010D		1	764880	MP	EET BUF	12/15/25 19:21
Total/NA	Analysis	300.0		5	765039	AF	EET BUF	12/17/25 19:25

Client Sample ID: MW4I

Lab Sample ID: 480-235192-14

Date Collected: 12/11/25 13:20

Matrix: Water

Date Received: 12/12/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		40	764697	LCH	EET BUF	12/12/25 19:26
Total/NA	Analysis	RSK-175		11	764962	MAN	EET BUF	12/17/25 15:20
Total/NA	Prep	1633A			744380	Y4GV	ELLE	12/15/25 16:28
Total/NA	Analysis	1633A		1	747550	LDU5	ELLE	12/22/25 13:00
Dissolved	Prep	3005A			764788	EMO	EET BUF	12/15/25 09:14
Dissolved	Analysis	6010D		1	764880	MP	EET BUF	12/15/25 18:52
Total/NA	Prep	3005A			764790	EMO	EET BUF	12/15/25 08:22
Total/NA	Analysis	6010D		1	764880	MP	EET BUF	12/15/25 19:29
Total/NA	Analysis	300.0		5	765039	AF	EET BUF	12/17/25 19:40

Lab Chronicle

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Client Sample ID: MW5S

Date Collected: 12/11/25 15:35

Date Received: 12/12/25 12:00

Lab Sample ID: 480-235192-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		20	764697	LCH	EET BUF	12/12/25 19:49
Total/NA	Prep	1633A			744380	Y4GV	ELLE	12/15/25 16:28
Total/NA	Analysis	1633A		1	747550	LDU5	ELLE	12/22/25 13:14

Client Sample ID: MW5I

Date Collected: 12/11/25 16:20

Date Received: 12/12/25 12:00

Lab Sample ID: 480-235192-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	764697	LCH	EET BUF	12/12/25 20:11
Total/NA	Prep	1633A			744380	Y4GV	ELLE	12/15/25 16:28
Total/NA	Analysis	1633A		1	747550	LDU5	ELLE	12/22/25 13:54

Client Sample ID: DUP

Date Collected: 12/11/25 00:00

Date Received: 12/12/25 12:00

Lab Sample ID: 480-235192-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		800	764908	AXK	EET BUF	12/16/25 17:43
Total/NA	Prep	1633A			744380	Y4GV	ELLE	12/15/25 16:28
Total/NA	Analysis	1633A		1	747550	LDU5	ELLE	12/22/25 14:08

Client Sample ID: FB

Date Collected: 12/11/25 17:15

Date Received: 12/12/25 12:00

Lab Sample ID: 480-235192-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	764697	LCH	EET BUF	12/12/25 20:56

Client Sample ID: TRIP BLANK

Date Collected: 12/11/25 17:00

Date Received: 12/12/25 12:00

Lab Sample ID: 480-235192-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	764697	LCH	EET BUF	12/12/25 21:18

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Laboratory: Eurofins Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-26

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
A2LA	Dept. of Energy	0001.01	11-30-26
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-26
Alaska (UST)	State	17-027	12-30-26
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	08-09-26
California	State	2792	01-31-26
Colorado	State	PA00009	06-30-26
Connecticut	State	PH-0746	06-30-27
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-26
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	06-30-26
Georgia (DW)	State	C048	01-31-26
Illinois	NELAP	200027	01-31-26
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-26
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-25
Louisiana (All)	NELAP	02055	06-30-26
Maine	State	2019012	03-12-27
Maryland	State	100	06-30-26
Massachusetts	State	M-PA009	06-30-26
Michigan	State	9930	01-31-26
Minnesota	NELAP	042-999-487	12-31-26
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-28
Montana (DW)	State	0098	12-31-25
Nebraska	State	NE-OS-32-17	01-31-26
New Hampshire	NELAP	2730	01-10-26
New Jersey	NELAP	PA011	06-30-26
New York	NELAP	10670	04-01-26
North Carolina (DW)	State	42705	07-31-26
North Carolina (WW/SW)	State	521	12-31-25
North Dakota	State	R-205	01-31-24 *
Ohio	State	87787	01-31-26
Oklahoma	NELAP	9804	12-31-25
Oregon	NELAP	PA200001	09-11-26
Pennsylvania	NELAP	36-00037	01-31-26
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-25
South Carolina	State	89002	01-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Buffalo

Accreditation/Certification Summary

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	08-31-26
USDA	US Federal Programs	525-22-298-19481	01-23-26
Vermont	State	VT - 36037	10-28-26
Virginia	NELAP	460182	06-14-26
Washington	State	C457	04-11-26
West Virginia (DW)	State	9906 C	03-31-26
West Virginia DEP	State	055	07-31-26
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	11-30-26

Method Summary

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
RSK-175	Dissolved Gases (GC)	RSK	EET BUF
1633A	Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A	EPA	ELLE
6010D	Metals (ICP)	SW846	EET BUF
300.0	Anions, Ion Chromatography	EPA	EET BUF
1633A	Solid-Phase Extraction (SPE)	EPA	ELLE
3005A	Preparation, Total Metals	SW846	EET BUF
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: GEI Consultants Inc
Project/Site: Unifirst – Liverpool, NY

Job ID: 480-235192-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-235192-1	MW6	Water	12/09/25 15:05	12/12/25 12:00	New York
480-235192-2	MW7	Water	12/09/25 14:20	12/12/25 12:00	New York
480-235192-3	MW8	Water	12/09/25 15:25	12/12/25 12:00	New York
480-235192-4	MW11	Water	12/09/25 16:20	12/12/25 12:00	New York
480-235192-5	MW12S	Water	12/09/25 16:30	12/12/25 12:00	New York
480-235192-6	MW1C	Water	12/10/25 15:05	12/12/25 12:00	New York
480-235192-7	MW1D	Water	12/10/25 12:50	12/12/25 12:00	New York
480-235192-8	MW1E	Water	12/10/25 14:00	12/12/25 12:00	New York
480-235192-9	MW1R	Water	12/09/25 13:45	12/12/25 12:00	New York
480-235192-10	MW2R	Water	12/09/25 15:40	12/12/25 12:00	New York
480-235192-11	MW3S	Water	12/10/25 10:45	12/12/25 12:00	New York
480-235192-12	MW3I	Water	12/10/25 13:00	12/12/25 12:00	New York
480-235192-13	MW4S	Water	12/11/25 10:35	12/12/25 12:00	New York
480-235192-14	MW4I	Water	12/11/25 13:20	12/12/25 12:00	New York
480-235192-15	MW5S	Water	12/11/25 15:35	12/12/25 12:00	New York
480-235192-16	MW5I	Water	12/11/25 16:20	12/12/25 12:00	New York
480-235192-17	DUP	Water	12/11/25 00:00	12/12/25 12:00	New York
480-235192-18	FB	Water	12/11/25 17:15	12/12/25 12:00	New York
480-235192-19	TRIP BLANK	Water	12/11/25 17:00	12/12/25 12:00	New York

Syracuse



#225

Client Information				Sampler:	Lab PM:	#220 Working No(s):						COC No:		
Client Contact: Ms. Abigail Jock				Phone:	Schove, John R							480-209610-42326.1		
Company: GEI Consultants Inc				PWSID:	E-Mail:	State of Origin:						Page: Page 1 of 2		
Address: 950 Danby Road Suite 201-F				Due Date Requested:	Analysis Requested						Job #:			
City: Ithaca				TAT Requested (days):	Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 8260C - TCL VOCs RSK_175 - Methane, Ethane, Ethene 300.0_28D - Sulfate 6010D - Metals - Iron (Fe), Total 6010D - Metals - Iron (Fe), Dissolved 1633A - PFAS - NY Standard 40 Analytes Total Number of containers						Preservation Codes: A - HCL N - None D - HNO3			
State, Zip: NY, 14850				Compliance Project: Δ Yes Δ No							Other:			
Phone: 607-216-8983(Tel)				PO #: Purchase Order Requested										
Email: AJock@geiconsultants.com				WO #: 2001642										
Project Name: Unifirst - Liverpool, NY				Project #: 48029086										
Site:				SSOW#:										
Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOCs	RSK_175 - Methane, Ethane, Ethene	300.0_28D - Sulfate	6010D - Metals - Iron (Fe), Total	6010D - Metals - Iron (Fe), Dissolved	1633A - PFAS - NY Standard 40 Analytes	Total Number of containers	Special Instructions/Note:
MW6	12/09/25	1505	G	Water	X	X	A	A	N	D	D	N		
MW7	12/09/25	1420		Water										
MW8	12/09/25	1525		Water										
MW11	12/09/25	1620		Water										
MW12S	12/09/25	1630		Water										
MW1C	12/10/25	1505		Water										
MW1D	12/10/25	1250		Water										
MW1E	12/10/25	1400		Water										
MW11-MS	12/09/25	1625		Water										
MW11-MSD	12/09/25	1630		Water										
MW1R	12/10/25	1315		Water			X	X	X	X				
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months									
Deliverable Requested: I, II, III, IV, Other (specify) See work order					Special Instructions/QC Requirements:									
Empty Kit Relinquished by:					Date:	Time:			Method of Shipment:					
Relinquished by: [Signature]					Date/Time: 12/11/25 1800	Company:			Received by: [Signature]			Date/Time: 12/11/25 1800	Company: ES-SUN	
Relinquished by: [Signature]					Date/Time: 12/11/25 1900	Company:			Received by: [Signature]			Date/Time: 12-12-25 1200	Company: TAB	
Relinquished by:					Date/Time:	Company:			Received by:			Date/Time:	Company:	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks: 2.1 °C									

Chain of Custody Record

Syracuse

#225



Environment Testing

Client Information		Sampler:		Lab PM: Schove, John R		Carrier Tracking No(s):		COC No: 480-209610-42326.2					
Client Contact: Ms Abigail Jock		Phone:		E-Mail: John.Schove@et.eurofinsus.com		State of Origin:		Page: Page 2 of 2					
Company: GEI Consultants Inc		PWSID:		Analysis Requested						Job #:			
Address: 950 Danby Road Suite 201-F		Due Date Requested: See work order		Field Filtered Sample (Yes or No) Perform Microb (Yes or No) 8280C - TCL VOCs RSK_175 - Methane, Ethane, Ethene 300.0_28D - Sulfate 6010D - Metals - Iron (Fe), Total 6010D - Metals - Iron (Fe), Dissolved 1633A - PFAS - NY Standard 40 Analytes Total Number of containers						Preservation Codes: A - HCL N - None D - HNO3			
City: Ithaca		TAT Requested (days): standard								Other:			
State, Zip NY, 14850		Compliance Project: ☐ Yes ☐ No											
Phone: 607-216-8983(Tel)		PO #: Purchase Order Requested											
Email: AJock@geiconsultants.com		WO #: 2001642											
Project Name: Unifirst - Liverpool, NY		Project #: 48029085											
Site:		SSOW#:											
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)		Preservation Code:		Special Instructions/Note:	
MW2R		12/10/25		1540		G		Water					
MW3S		12/11/25		1045				Water					
MW3I		12/11/25		1300				Water					
MW4S		12/11/25		1035				Water					
MW4I		12/11/25		1320				Water					
~~MW5S~~ MW5S		12/11/25		1535				Water					
MW5I		12/11/25		1620				Water					
DUP		12/11/25		0000				Water					
FB		↓		1715				Water					
TRIP BLANK		↓		1700		↓		Water					
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological													
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months													
Deliverable Requested: I, II, III, IV, Other (specify) See work order													
Special Instructions/QC Requirements:													
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:							
Relinquished by:		Date/Time: 12/11/25 1800		Company:		Received by:		Date/Time: 12/11/25 1800		Company: ES-101			
Relinquished by:		Date/Time: 12/11/25 1900		Company:		Received by:		Date/Time: 12-12-25 1200		Company: TAB			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:			
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:									

Eurofins Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)				Sampler: N/A		Lab PM: Schove, John R		Carrier Tracking No(s): N/A		COC No: 480-96320.1					
Client Contact: Shipping/Receiving				Phone: N/A		E-Mail: John.Schove@et.eurofinsus.com		State of Origin: New York		Page: Page 1 of 1					
Company: Eurofins Lancaster Laboratories Environm						Accreditations Required (See note): NELAP - New York				Job #: 480-235192-1					
Address: 2425 New Holland Pike,				Due Date Requested: 1/5/2026		Analysis Requested						Preservation Codes:			
City: Lancaster				TAT Requested (days): N/A											
State, Zip: PA, 17601				PO #: N/A		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 1631A/1631A_SPEPFAS - NY Standard 40 Analytes						Total Number of containers		Other: N/A	
Phone: 717-656-2300(Tel)				WO #: N/A											
Email: N/A				Project #: 48029086											
Project Name: Unifirst - Liverpool, NY				SSOW#: N/A											
Site: N/A															
Sample Identification - Client ID (Lab ID)				Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)				Special Instructions/Note:	
MW3S (480-235192-11)				12/10/25		10:45 Eastern		G		Water		X		2	
MW3I (480-235192-12)				12/10/25		13:00 Eastern		G		Water		X		2	
MW4S (480-235192-13)				12/11/25		10:35 Eastern		G		Water		X		2	
MW4I (480-235192-14)				12/11/25		13:20 Eastern		G		Water		X		2	
MW5S (480-235192-15)				12/11/25		15:35 Eastern		G		Water		X		2	
MW5I (480-235192-16)				12/11/25		16:20 Eastern		G		Water		X		2	
DUP (480-235192-17)				12/11/25		Eastern		G		Water		X		2	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.															
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
Unconfirmed										☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months					
Deliverable Requested: I, II, III, IV, Other (specify)										Primary Deliverable Rank: 2					
Empty Kit Relinquished by:										Special Instructions/QC Requirements:					
Date:										Method of Shipment:					
Relinquished by: <i>WFO</i>										Received by: <i>[Signature]</i>					
Date/Time: 12-12-25 1600										Date/Time: <i>[Signature]</i>					
Relinquished by:										Received by:					
Date/Time:										Date/Time:					
Relinquished by:										Received by: <i>Hazel Tyness</i>					
Date/Time:										Date/Time: 12/13/25 1210					
Custody Seals Intact: ☐ Yes ☐ No										Cooler Temperature(s) °C and Other Remarks: R: 1.5 C: 1.5					
Custody Seal No.:															

Login Sample Receipt Checklist

Client: GEI Consultants Inc

Job Number: 480-235192-1

Login Number: 235192

List Source: Eurofins Buffalo

List Number: 1

Creator: Stapleton, Kaitlyn

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1 IR#SC ice
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	

Login Sample Receipt Checklist

Client: GEI Consultants Inc

Job Number: 480-235192-1

Login Number: 235192

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

List Creation: 12/13/25 10:39 PM

Creator: Cyms, Carolyn M

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

Appendix B Microbial Insights QuantArray Chlor Report

SITE LOGIC Report

QuantArray[®]-Chlor Study

Contact: Abigail Jock

Phone:

Address: GEI Consultants
950 Danby Road
Suite 201-F
Ithaca, NY 14850

Email: ajock@geiconsultants.com

MI Identifier: 060WL

Report Date: 12/18/2025

Project: UniFirst-Liverpool

Reviewed By: *Sarah Keys*

Comments:

The QuantArray[®]-Chlor Approach

Quantification *Dehalococcoides*, the only known bacterial group capable of complete reductive dechlorination of PCE and TCE to ethene, has become an indispensable component of assessment, remedy selection, and performance monitoring at sites impacted by chlorinated solvents. While undeniably a key group of halo-respiring bacteria, *Dehalococcoides* are not the only bacteria of interest in the subsurface because reductive dechlorination is not the only potential biodegradation pathway operative at contaminated sites, and chlorinated ethenes are not always the primary contaminants of concern. The QuantArray[®]-Chlor not only includes a variety of halo-respiring bacteria (*Dehalococcoides*, *Dehalobacter*, *Dehalogenimonas*, etc.) to assess the potential for reductive dechlorination of chloroethenes, chloroethanes, chlorobenzenes, chlorophenols, and chloroform, but also provides quantification of functional genes involved in aerobic (co)metabolic pathways for biodegradation of chlorinated solvents and even competing biological processes. Thus, the QuantArray[®]-Chlor will give site managers the ability to simultaneously yet economically evaluate the potential for biodegradation of a spectrum of common chlorinated contaminants through a multitude of anaerobic and aerobic (co)metabolic pathways to give a much more clear and comprehensive view of contaminant biodegradation.

The QuantArray[®]-Chlor is used to quantify specific microorganisms and functional genes to evaluate the following:

Anaerobic Reductive Dechlorination

Quantification of important halo-respiring bacteria (e.g. *Dehalococcoides*, *Dehalobacter*, *Dehalogenimonas*, *Desulfitobacterium* spp.) and key functional genes (e.g. vinyl chloride reductases, TCE reductase, chloroform reductase) responsible for reductive dechlorination of a broad spectrum of chlorinated solvents.

Aerobic Cometabolism

Several different types of bacteria including methanotrophs and some toluene/phenol utilizing bacteria can co-oxidize TCE, DCE, and vinyl chloride. The QuantArray[®]-Chlor quantifies functional genes like soluble methane monooxygenase encoding enzymes capable of co-oxidation of chlorinated ethenes.

Aerobic (Co)metabolism of Vinyl Chloride

Ethene oxidizing bacteria are capable of cometabolism of vinyl chloride. In some cases, ethenotrophs can also utilize vinyl chloride as a growth supporting substrate. The QuantArray[®]-Chlor targets key functional genes in ethene metabolism.

Results

Table 1: Summary of the QuantArray®-Chlor results obtained for samples MW3S, MW3I, MW4S, and MW4I

Sample Name Sample Date	MW3S 12/11/2025	MW3I 12/11/2025	MW4S 12/11/2025	MW4I 12/11/2025
<i>Reductive Dechlorination</i>	cells/mL	cells/mL	cells/mL	cells/mL
<i>Dehalococcoides</i> (DHC)	9.90E+05	1.60E+03	8.80E+00	2.00E+04
tceA Reductase (TCE)	4.50E+05	1.60E+02	5.40E-01	1.70E+01
BAV1 Vinyl Chloride Reductase (BVC)	3.60E+04	4.70E+02	3.20E+00	1.10E+04
Vinyl Chloride Reductase (VCR)	4.60E+04	9.40E+02	3.90E+00	1.90E+03
<i>Dehalobacter</i> spp. (DHBt)	1.10E+04	1.30E+03	<2.50E-01	1.20E+03
<i>Dehalobacter</i> DCM (DCM)	7.30E+02	<2.50E-01	<2.50E-01	1.00E+01
<i>Dehalogenimonas</i> spp. (DHG)	2.40E+05	1.40E+04	5.20E+02	5.00E+04
cerA Reductase (CER)	2.30E+02	<2.50E-01	<2.50E-01	7.90E+00
trans-1,2-DCE Reductase (TDR)	<3.30E-01	<2.50E-01	<2.50E-01	<2.50E-01
<i>Desulfitobacterium</i> spp. (DSB)	1.50E+03	4.50E+02	<2.50E-01	1.90E+03
<i>Dehalobium chlorocoercia</i> (DECO)	7.00E+03	5.30E+03	2.90E+03	1.60E+02
<i>Desulfuromonas</i> spp. (DSM)	<3.30E-01	3.70E+00	1.40E+00	<2.50E-01
PCE Reductase (PCE-1)	3.10E+02	<2.50E-01	<2.50E-01	<2.50E-01
PCE Reductase (PCE-2)	<3.30E-01	<2.50E-01	<2.50E-01	2.20E+02
Chloroform Reductase (CFR)	<3.30E-01	<2.50E-01	<2.50E-01	2.80E+01
1,1 DCA Reductase (DCA)	<3.30E-01	<2.50E-01	<2.50E-01	<2.50E-01
1,2 DCA Reductase (DCAR)	<3.30E-01	<2.50E-01	<2.50E-01	<2.50E-01
<i>Aerobic (Co)Metabolic</i>				
Soluble Methane Monooxygenase (SMMO)	<3.30E-01	<2.50E-01	<2.50E-01	4.30E+01
Toluene Dioxygenase (TOD)	7.40E+01	3.40E+01	1.50E+01	1.90E+01
Phenol Hydroxylase (PHE)	3.40E+04	1.60E+03	9.20E+02	5.60E+01
Trichlorobenzene Dioxygenase (TCBO)	<3.30E-01	<2.50E-01	<2.50E-01	<2.50E-01
Toluene Monooxygenase 2 (RDEG)	5.90E+03	8.10E+02	1.50E+01	<2.50E-01
Toluene Monooxygenase (RMO)	8.40E+04	2.00E+03	3.70E+02	<2.50E-01
Ethene Monooxygenase (EtnC)	2.50E+04	2.30E+00	<2.50E-01	<2.50E-01
Epoxyalkane Transferase (EtnE)	8.60E+04	1.60E+02	6.20E+01	<2.50E-01
Dichloromethane Dehalogenase (DCMA)	<3.30E-01	<2.50E-01	<2.50E-01	<2.50E-01
<i>Other</i>				
Total Eubacteria (EBAC)	8.10E+06	4.30E+06	9.30E+05	2.70E+05
Sulfate Reducing Bacteria (APS)	1.40E+04	8.30E+04	3.40E+04	1.30E+05
Methanogens (MGN)	8.30E+02	4.10E+02	8.70E+00	1.60E+01

Legend:

NA = Not Analyzed

NS = Not Sampled

J = Estimated Gene Copies Below PQL but Above LQL

I = Inhibited

< = Result Not Detected

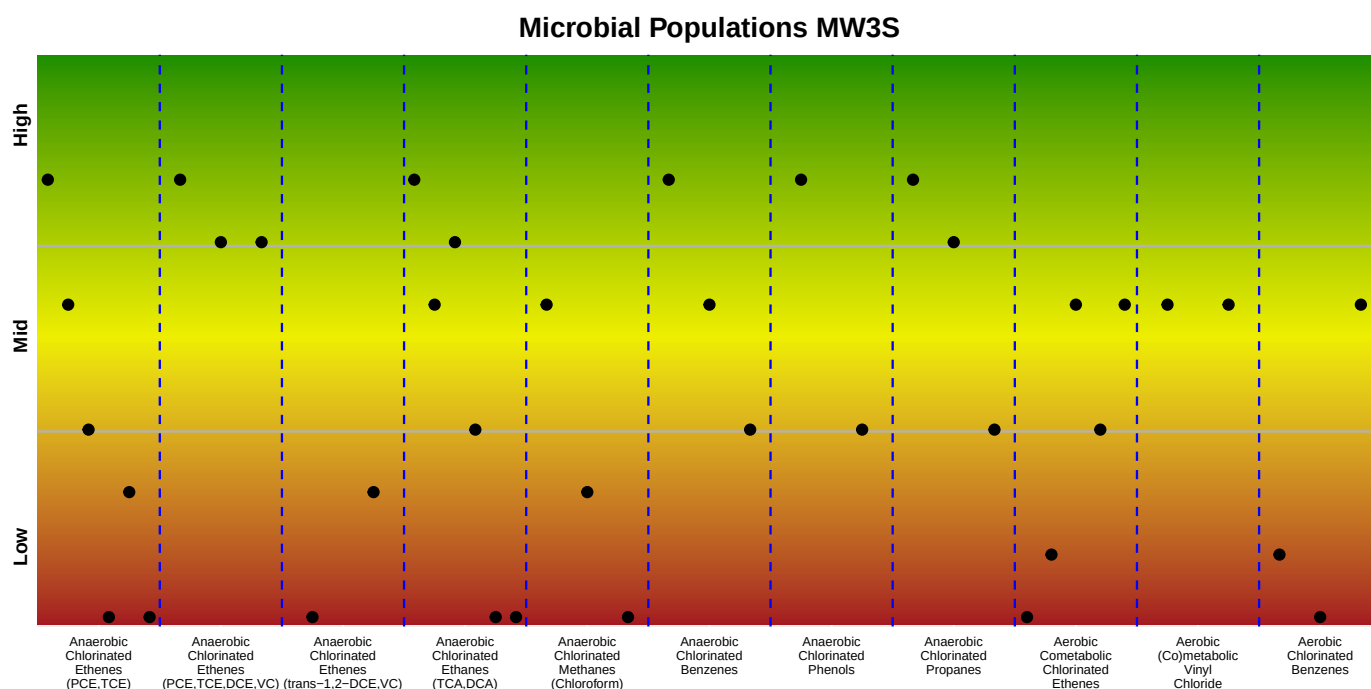


Figure 1: Microbial population summary to aid in evaluating potential pathways and biodegradation of specific contaminants. See below to understand the correlation between contaminants and their associated qPCR assays.

Anaerobic - Reductive Dechlorination or Dichloroelimination	
Contaminants	qPCR Assays
Chlorinated Ethenes (PCE, TCE)	DHC, DHBt, DSB, DSM, PCE-1, PCE-2
Chlorinated Ethenes (PCE, TCE, DCE, VC)	DHC, BVC, VCR
Chlorinated Ethenes (trans-1,2-DCE, VC)	TDR, CER
Chlorinated Ethanes (TCA and 1,2- DCA)	DHC, DHBt, DHG, DSB ¹ , DCA, DCAR
Chlorinated Methanes (Chloroform)	DHBt, DCM, CFR
Chlorinated Benzenes	DHC, DHBt ² , DECO
Chlorinated Phenols	DHC, DSB
Chlorinated Propanes	DHC, DHG, DSB ¹
Aerobic - (Co)metabolism	
Chlorinated Ethenes (TCE,DCE,VC)	sMMO, TOD, PHE, RDEG, RMO
(Co)metabolic Vinyl Chloride	etnC, etnE
Chlorinated Benzenes	TOD, TCBO, PHE

¹ *Desulfitobacterium dichloroeliminans* DCA1. ² Implicated in reductive dechlorination of dichlorobenzene and potentially chlorobenzene.

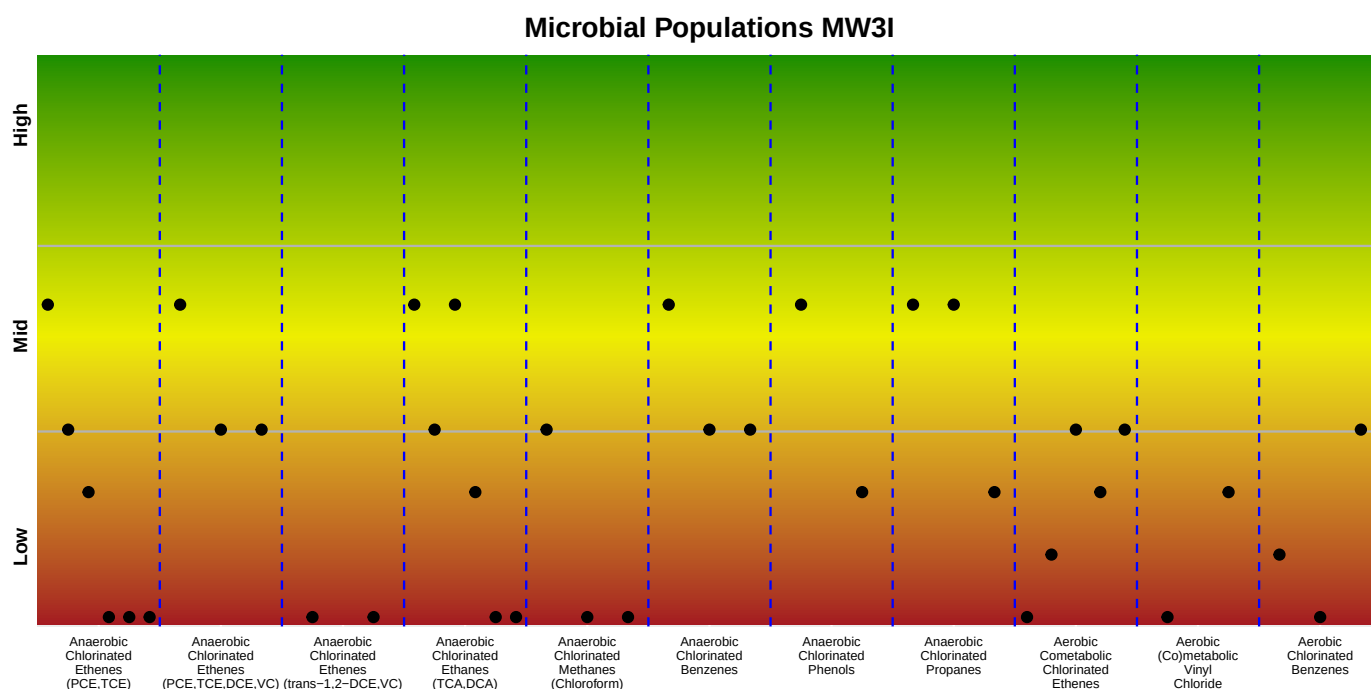


Figure 2: Microbial population summary to aid in evaluating potential pathways and biodegradation of specific contaminants. See below to understand the correlation between contaminants and their associated qPCR assays.

Anaerobic - Reductive Dechlorination or Dichloroelimination	
Contaminants	qPCR Assays
Chlorinated Ethenes (PCE, TCE)	DHC, DHBt, DSB, DSM, PCE-1, PCE-2
Chlorinated Ethenes (PCE, TCE, DCE, VC)	DHC, BVC, VCR
Chlorinated Ethenes (trans-1,2-DCE, VC)	TDR, CER
Chlorinated Ethanes (TCA and 1,2- DCA)	DHC, DHBt, DHG, DSB ¹ , DCA, DCAR
Chlorinated Methanes (Chloroform)	DHBt, DCM, CFR
Chlorinated Benzenes	DHC, DHBt ² , DECO
Chlorinated Phenols	DHC, DSB
Chlorinated Propanes	DHC, DHG, DSB ¹
Aerobic - (Co)metabolism	
Chlorinated Ethenes (TCE,DCE,VC)	sMMO, TOD, PHE, RDEG, RMO
(Co)metabolic Vinyl Chloride	etnC, etnE
Chlorinated Benzenes	TOD, TCBO, PHE

¹ *Desulfotobacterium dichloroeliminans* DCA1. ² Implicated in reductive dechlorination of dichlorobenzene and potentially chlorobenzene.

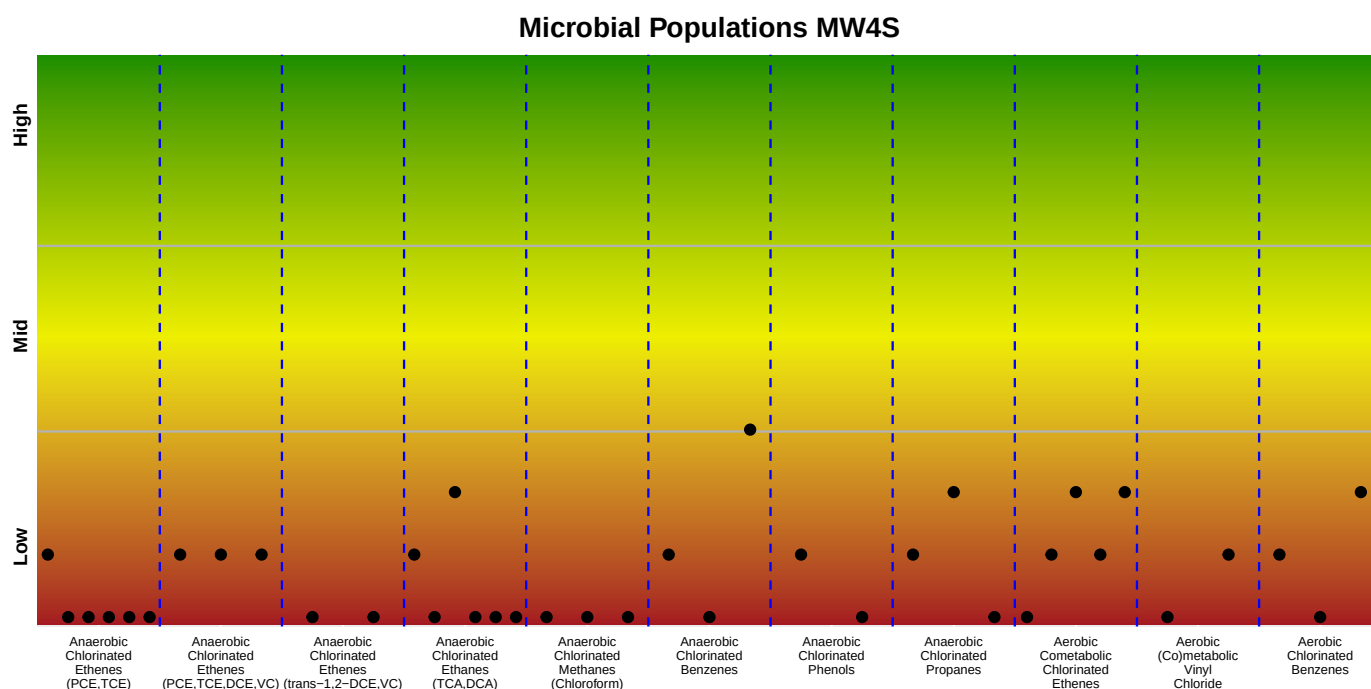


Figure 3: Microbial population summary to aid in evaluating potential pathways and biodegradation of specific contaminants. See below to understand the correlation between contaminants and their associated qPCR assays.

Anaerobic - Reductive Dechlorination or Dichloroelimination	
Contaminants	qPCR Assays
Chlorinated Ethenes (PCE, TCE)	DHC, DHBt, DSB, DSM, PCE-1, PCE-2
Chlorinated Ethenes (PCE, TCE, DCE, VC)	DHC, BVC, VCR
Chlorinated Ethenes (trans-1,2-DCE, VC)	TDR, CER
Chlorinated Ethanes (TCA and 1,2- DCA)	DHC, DHBt, DHG, DSB ¹ , DCA, DCAR
Chlorinated Methanes (Chloroform)	DHBt, DCM, CFR
Chlorinated Benzenes	DHC, DHBt ² , DECO
Chlorinated Phenols	DHC, DSB
Chlorinated Propanes	DHC, DHG, DSB ¹
Aerobic - (Co)metabolism	
Chlorinated Ethenes (TCE,DCE,VC)	sMMO, TOD, PHE, RDEG, RMO
(Co)metabolic Vinyl Chloride	etnC, etnE
Chlorinated Benzenes	TOD, TCBO, PHE

¹ *Desulfitobacterium dichloroeliminans* DCA1. ² Implicated in reductive dechlorination of dichlorobenzene and potentially chlorobenzene.

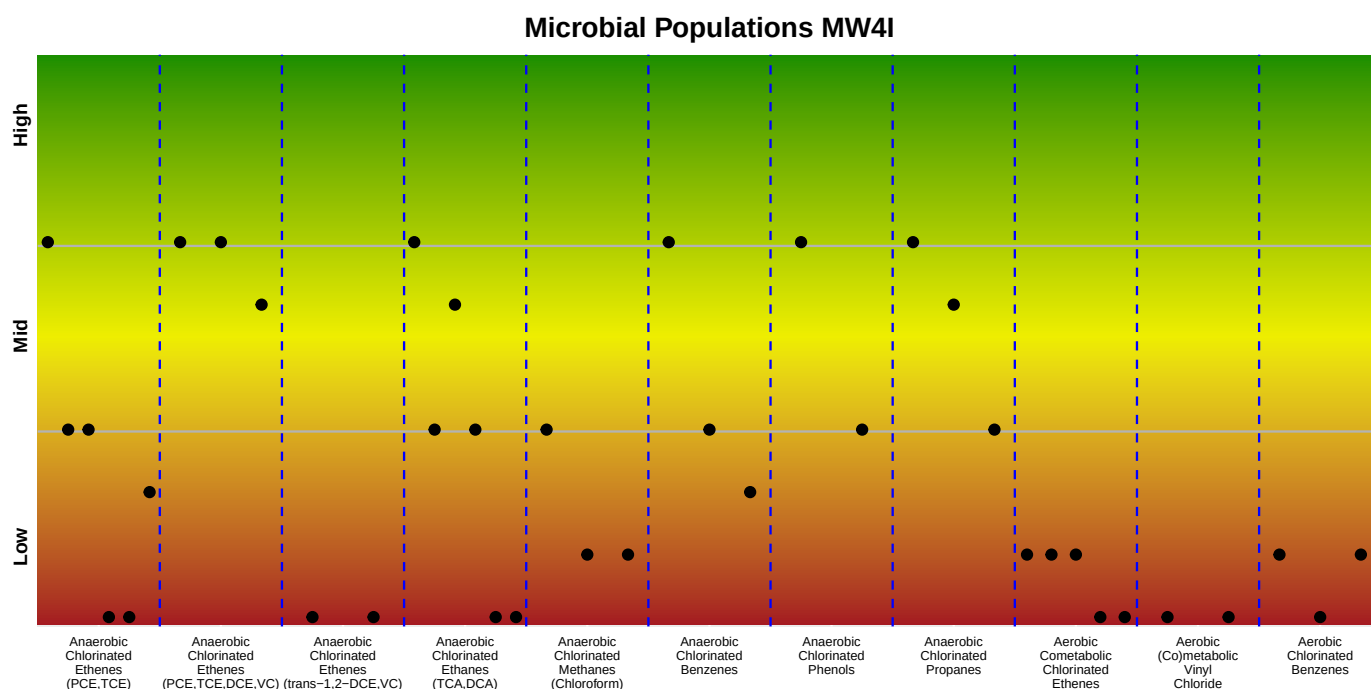


Figure 4: Microbial population summary to aid in evaluating potential pathways and biodegradation of specific contaminants. See below to understand the correlation between contaminants and their associated qPCR assays.

Anaerobic - Reductive Dechlorination or Dichloroelimination	
Contaminants	qPCR Assays
Chlorinated Ethenes (PCE, TCE)	DHC, DHBt, DSB, DSM, PCE-1, PCE-2
Chlorinated Ethenes (PCE, TCE, DCE, VC)	DHC, BVC, VCR
Chlorinated Ethenes (trans-1,2-DCE, VC)	TDR, CER
Chlorinated Ethanes (TCA and 1,2- DCA)	DHC, DHBt, DHG, DSB ¹ , DCA, DCAR
Chlorinated Methanes (Chloroform)	DHBt, DCM, CFR
Chlorinated Benzenes	DHC, DHBt ² , DECO
Chlorinated Phenols	DHC, DSB
Chlorinated Propanes	DHC, DHG, DSB ¹
Aerobic - (Co)metabolism	
Chlorinated Ethenes (TCE,DCE,VC)	sMMO, TOD, PHE, RDEG, RMO
(Co)metabolic Vinyl Chloride	etnC, etnE
Chlorinated Benzenes	TOD, TCBO, PHE

¹ *Desulfitobacterium dichloroeliminans* DCA1. ² Implicated in reductive dechlorination of dichlorobenzene and potentially chlorobenzene.

Interpretation

The overall purpose of the QuantArray®-Chlor is to give site managers the ability to simultaneously yet economically evaluate the potential for biodegradation of a spectrum of common chlorinated contaminants through a multitude of anaerobic and aerobic (co)metabolic pathways in order to provide a clearer and more comprehensive view of contaminant biodegradation. The following discussion describes the interpretation of results in general terms and is meant to serve as a guide.

Reductive Dechlorination - Chlorinated Ethenes: While a number of bacterial cultures including *Dehalococcoides*, *Dehalobacter*, *Desulfitobacterium*, *Desulfuromonas* spp. capable of utilizing PCE and TCE as growth-supporting electron acceptors have been isolated [1–5], *Dehalococcoides* may be the most important because they are the only bacterial group that has been isolated to date which is capable of complete reductive dechlorination of PCE to ethene [6]. In fact, the presence of *Dehalococcoides* has been associated with complete reductive dechlorination to ethene at sites across North America and Europe. Hendrickson and Lu have proposed using a *Dehalococcoides* concentration of 1×10^4 cells/mL as a screening criterion to identify sites where biological reductive dechlorination is predicted to proceed at “generally useful” rates [7,8].

At chlorinated ethene sites, any “stall” leading to the accumulation of daughter products, especially vinyl chloride, would be a substantial concern. While *Dehalococcoides* concentrations greater than 1×10^4 cells/mL correspond to ethene production and useful rates of dechlorination, the range of chlorinated ethenes degraded varies by strain within the *Dehalococcoides* genus [6,9] and the presence of co-contaminants and competitors can have complex impacts on the halo-respiring microbial community [10–15]. Therefore, QuantArray®-Chlor also provides quantification of a suite of reductive dehalogenase genes (PCE, TCE, BVC, VCR, CER, and TDR) to more definitively confirm the potential for reductive dechlorination of all chlorinated ethene compounds including vinyl chloride.

Perhaps most importantly, QuantArray®-Chlor quantifies TCE reductase (TCE) and both known vinyl chloride reductase genes (BVC, VCR) from *Dehalococcoides* to conclusively evaluate the potential for complete reductive dechlorination of chlorinated ethenes to non-toxic ethene [16–18]. In addition, the analysis also includes quantification of reductive dehalogenase genes from *Dehalogenimonas* spp. capable of reductive dechlorination of chlorinated ethenes. More specifically, these are the trans-1,2-DCE dehalogenase gene (TDR) from strain WBC-2 [19] and the vinyl chloride reductase gene (CER) from GP, the only known organisms other than *Dehalococcoides* capable of vinyl chloride reduction [20]. Finally, PCE reductase genes responsible for sequential reductive dechlorination of PCE to *cis*-DCE by *Sulfurospirillum* and *Geobacter* spp. are also quantified. In mixed cultures, evidence increasingly suggests that partial dechlorinators like *Sulfurospirillum* and *Geobacter* may be responsible for the majority of reductive dechlorination of PCE to TCE and *cis*-DCE while *Dehalococcoides* functions more as *cis*-DCE and vinyl chloride reducing specialists [10,21].

Reductive Dechlorination - Chlorinated Ethanes: Under anaerobic conditions, chlorinated ethanes are susceptible to reductive dechlorination by several groups of halo-respiring bacteria including *Dehalobacter*, *Dehalogenimonas*, and *Dehalococcoides*. While the reported range of chlorinated ethanes utilized varies by genus, species, and sometimes at the strain level, several general observations can be made regarding biodegradation pathways and daughter product formation. *Dehalobacter* spp. have been isolated that are capable of sequential reductive dechlorination of 1,1,1-TCA through 1,1-DCA to chloroethane [13]. Biodegradation of 1,1,2-TCA by several halo-respiring bacteria including *Dehalobacter* and *Dehalogenimonas* spp. proceeds via dichloroelimination producing vinyl chloride [22–24]. Similarly, 1,2-DCA biodegradation by *Dehalobacter*, *Dehalogenimonas*, and *Dehalococcoides* occurs via dichloroelimination producing ethene. While not utilized by many *Desulfitobacterium* isolates, at least one strain, *Desulfitobacterium dichloroeliminans* strain DCA1, is also capable of dichloroelimination of 1,2-DCA [25]. The 1,2-dichloroethane reductive dehalogenase gene (DCAR) from members of *Desulfitobacterium* and *Dehalobacter* is known to dechlorinate 1,2-DCA to ethene, while the 1,1-dichloroethane reductive dehalogenase (DCA) targets the gene responsible for 1,1-DCA dechlorination in some strains of *Dehalobacter*. In addition to chloroform, chloroform reductase (CFR) has also been shown to be responsible for reductive dechlorination of 1,1,1-TCA [26].

Reductive Dechlorination - Chlorinated Methanes: Chloroform is a common co-contaminant at chlorinated solvent sites and can inhibit reductive dechlorination of chlorinated ethenes. Grostern et al. demonstrated that a *Dehalobacter* population was capable of reductive dechlorination of chloroform to produce dichloromethane [27]. The *cfrA* gene encodes the reductase which catalyzes this initial step in chloroform biodegradation [26]. Justicia-Leon et al. have since shown that dichloromethane can support growth of a distinct group of *Dehalobacter* strains via fermentation [28]. The *Dehalobacter* DCM assay targets the 16S rRNA gene of these strains.

Reductive Dechlorination - Chlorinated Benzenes: Chlorinated benzenes are an important class of industrial solvents and chemical intermediates in the production of drugs, dyes, herbicides, and insecticides. The physical-chemical properties of chlorinated benzenes as well as susceptibility to biodegradation are functions of their degree of chlorination and the positions of chlorine substituents. Under anaerobic conditions, reductive dechlorination of higher chlorinated benzenes including hexachlorobenzene (HCB), pentachlorobenzene (PeCB), tetrachlorobenzene (TeCB) isomers, and trichlorobenzene (TCB) isomers has been well documented [29], although biodegradation of individual compounds and isomers varies between isolates. For example, *Dehalococcoides* strain CBDB1 reductively dechlorinates HCB, PeCB, all three TeCB isomers, 1,2,3-TCB, and 1,2,4-TCB [9]. *Dehalobium chlorocoercia* DF-1 has been shown to be capable of reductive dechlorination of HCB, PeCB, and 1,2,3,5-TeCB [31]. The dichlorobenzene (DCB) isomers and chlorobenzene (CB) were considered relatively recalcitrant under anaerobic conditions. However, new evidence has demonstrated reductive dechlorination of DCBs to CB and CB to benzene [32] with corresponding increases in concentrations of *Dehalobacter* spp. [33].

Reductive Dechlorination - Chlorinated Phenols: Pentachlorophenol (PCP) was one of the most widely used biocides in the U.S. and despite residential use restrictions, is still extensively used industrially as a wood preservative. Along with PCP, the tetrachlorophenol and trichlorophenol isomers were also used as fungicides in wood preserving formulations. 2,4-Dichlorophenol and 2,4,5-TCP were used as chemical intermediates in herbicide production (e.g. 2,4-D) and chlorophenols are known byproducts of chlorine bleaching in the pulp and paper industry. While the range of compounds utilized varies by strain, some *Dehalococcoides* isolates are capable of reductive dechlorination of PCP and other chlorinated phenols. For example, *Dehalococcoides* strain CBDB1 is capable of utilizing PCP, all three tetrachlorophenol (TeCP) congeners, all six trichlorophenol (TCP) congeners, and 2,3-dichlorophenol (2,3-DCP). PCP dechlorination by strain CBDB1 produces a mixture of 3,5-DCP, 3,4-DCP, 2,4-DCP, 3-CP, and 4-CP [34]. In the same study, however, *Dehalococcoides* strain 195 dechlorinated a more narrow spectrum of chlorophenols which included 2,3-DCP, 2,3,4-TCP, and 2,3,6-TCP, but no other TCPs or PCP. Similar to *Dehalococcoides*, some species and strains of *Desulfitobacterium* are capable of utilizing PCP and other chlorinated phenols. *Desulfitobacterium hafniense* PCP-1 is capable of reductive dechlorination of PCP to 3-CP [35]. However, the ability to biodegrade PCP is not universal among *Desulfitobacterium* isolates. *Desulfitobacterium* spp. strain PCE1 and *D. chlororespirans* strain Co23, for example, can utilize some TCP and DCP isomers, but not PCP for growth [2,36].

Reductive Dechlorination - Chlorinated Propanes: *Dehalogenimonas* is a recently described bacterial genus of the phylum Chloroflexi which also includes the well-known chloroethene-respiring *Dehalococcoides* [23]. The *Dehalogenimonas* isolates characterized to date are also halo-respiring bacteria, but utilize a rather unique range of chlorinated compounds as electron acceptors including chlorinated propanes (1,2,3-TCP and 1,2-DCP) and a variety of other vicinally chlorinated alkanes including 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, and 1,2-dichloroethane [23].

Aerobic - Chlorinated Ethene Cometabolism: Under aerobic conditions, several different types of bacteria including methane-oxidizing bacteria (methanotrophs), and many benzene, toluene, ethylbenzene, xylene, and (BTEX)-utilizing bacteria can cometabolize or co-oxidize TCE, DCE, and vinyl chloride [37]. In general, cometabolism of chlorinated ethenes is mediated by monooxygenase enzymes with “relaxed” specificity that oxidize a primary (growth supporting) substrate (e.g. methane) and co-oxidize the chlorinated compound (e.g. TCE). QuantArray[®]-Chlor provides quantification of a suite of genes encoding oxygenase enzymes capable of co-oxidation of chlorinated ethenes including soluble methane monooxygenase (sMMO). Soluble methane monooxygenases co-oxidize a broad range of chlorinated compounds [38–41] including TCE, *cis*-DCE, and vinyl chloride. Furthermore, soluble methane monooxygenases are generally believed to support greater rates of aerobic cometabolism [40]. QuantArray[®]-Chlor also quantifies aromatic oxygenase genes encoding ring hydroxylating toluene monooxygenase genes (RMO, RDEG), toluene dioxygenase (TOD) and phenol hydroxylases (PHE) capable of TCE co-oxidation [42–46]. TCE or a degradation product has been shown to induce expression of toluene monooxygenases in some laboratory studies [43,47] raising the possibility of TCE cometabolism with an alternative (non-aromatic) growth substrate. Moreover, while a number of additional factors must be considered, recent research under ESTCP Project 201584 has shown positive correlations between concentrations of monooxygenase genes (soluble methane monooxygenase, ring hydroxylating monooxygenases, and phenol hydroxylase) and the rate of TCE degradation [48].

Aerobic - Chlorinated Ethane Cometabolism: While less widely studied than cometabolism of chlorinated ethenes, some chlorinated ethanes are also susceptible to co-oxidation. As mentioned previously, soluble methane monooxygenases (sMMO) exhibit very relaxed specificity. In laboratory studies, sMMO has been shown to co-oxidize a number of chlorinated ethanes including 1,1,1-TCA and 1,2-DCA [38,40].

Aerobic - Vinyl Chloride Cometabolism: Beginning in the early 1990s, numerous microcosm studies demonstrated

aerobic oxidation of vinyl chloride under MNA conditions without the addition of exogenous primary substrates. Since then, strains of *Mycobacterium*, *Nocardioides*, *Pseudomonas*, *Ochrobactrum*, and *Ralstonia* species have been isolated which are capable of aerobic growth on both ethene and vinyl chloride (see Mattes et al. [49] for a review). The initial steps in the pathway are the monooxygenase (*etnABCD*) catalyzed conversion of ethene and vinyl chloride to their respective epoxyalkanes (epoxyethane and chlorooxirane), followed by epoxyalkane:CoM transferase (*etnE*) mediated conjugation and breaking of the epoxide [50].

Aerobic - Chlorinated Benzenes: In general, chlorobenzenes with four or less chlorine groups are susceptible to aerobic biodegradation and can serve as growth-supporting substrates. Toluene dioxygenase (TOD) has a relatively relaxed substrate specificity and mediates the incorporation of both atoms of oxygen into the aromatic ring of benzene and substituted benzenes (toluene and chlorobenzene). Comparison of TOD levels in background and source zone samples from a CB-impacted site suggested that CBs promoted growth of TOD-containing bacteria [51]. In addition, aerobic biodegradation of some trichlorobenzene and even tetrachlorobenzene isomers is initiated by a group of related trichlorobenzene dioxygenase genes (TCBO). Finally, phenol hydroxylases catalyze the continued oxidation and in some cases, the initial oxidation of a variety of monoaromatic compounds. In an independent study, significant increases in numbers of bacteria containing PHE genes corresponded to increases in biodegradation of DCB isomers [51].

Aerobic - Chlorinated Methanes: Many aerobic methylotrophic bacteria, belonging to diverse genera (*Hyphomicrobium*, *Methylobacterium*, *Methylophilus*, *Pseudomonas*, *Paracoccus*, and *Alibacter*) have been isolated which are capable of utilizing dichloromethane (DCM) as a growth substrate. The DCM metabolic pathway in methylotrophic bacteria is initiated by a dichloromethane dehalogenase (DCMA) gene. DCMA is responsible for aerobic biodegradation of dichloromethane by methylotrophs by first producing formaldehyde which is then further oxidized [52].

As discussed in previous sections, soluble methane monooxygenase (sMMO) exhibits relaxed specificity and co-oxidizes a broad spectrum of chlorinated hydrocarbons. In addition to chlorinated ethenes, sMMO has been shown to co-oxidize chloroform in laboratory studies [38,41].

References

1. Gerritse J, Drzyzga O, Kloetstra G, Keijmel M, Wiersum LP, Hutson R, et al. Influence of different electron donors and acceptors on dehalorespiration of tetrachloroethene by *desulfitobacterium frappieri* tce1. Applied and Environmental Microbiology. Am Soc Microbiol; 1999;65:5212–21.
2. Gerritse J, Renard V, Gomes TP, Lawson PA, Collins MD, Gottschal JC. *Desulfitobacterium* sp. Strain pce1, an anaerobic bacterium that can grow by reductive dechlorination of tetrachloroethene or ortho-chlorinated phenols. Archives of Microbiology. Springer; 1996;165:132–40.
3. Holliger C, Schraa G, Stams A, Zehnder A. A highly purified enrichment culture couples the reductive dechlorination of tetrachloroethene to growth. Applied and Environmental Microbiology. Am Soc Microbiol; 1993;59:2991–7.
4. Krumholz LR, Sharp R, Fishbain SS. A freshwater anaerobe coupling acetate oxidation to tetrachloroethylene dehalogenation. Applied and Environmental Microbiology. Am Soc Microbiol; 1996;62:4108–13.
5. Löffler FE, Sanford RA, Tiedje JM. Initial characterization of a reductive dehalogenase from *desulfitobacterium chlororespirans* co23. Applied and Environmental Microbiology. Am Soc Microbiol; 1996;62:3809–13.
6. Maymó-Gatell X, Anguish T, Zinder SH. Reductive dechlorination of chlorinated ethenes and 1, 2-dichloroethane by "*dehalococcoides ethenogenes*" 195. Applied and Environmental Microbiology. Am Soc Microbiol; 1999;65:3108–13.
7. Hendrickson ER, Payne JA, Young RM, Starr MG, Perry MP, Fahnestock S, et al. Molecular analysis of *dehalococcoides* 16S ribosomal dna from chloroethene-contaminated sites throughout north america and europe. Applied and Environmental Microbiology. Am Soc Microbiol; 2002;68:485–95.
8. Lu X, Wilson JT, Kampbell DH. Relationship between *dehalococcoides* dna in ground water and rates of reductive dechlorination at field scale. Water Research. Elsevier; 2006;40:3131–40.
9. Adrian L, Szewzyk U, Wecke J, Görisch H. Bacterial dehalorespiration with chlorinated benzenes. Nature. Nature Publishing Group; 2000;408:580–3.
10. Amos BK, Suchomel EJ, Pennell KD, Löffler FE. Spatial and temporal distributions of *geobacter lovleyi* and *dehalococcoides* spp. During bioenhanced pce-napl dissolution. Environmental Science & Technology. ACS Publications; 2009;43:1977–85.
11. Duhamel M, Edwards EA. Growth and yields of dechlorinators, acetogens, and methanogens during reductive dechlorination of chlorinated ethenes and dihaloelimination of 1, 2-dichloroethane. Environmental Science & Technology. ACS Publications; 2007;41:2303–10.
12. Duhamel M, Wehr SD, Yu L, Rizvi H, Seepersad D, Dworatzek S, et al. Comparison of anaerobic dechlorinating enrichment cultures maintained on tetrachloroethene, trichloroethene, /textitcis-dichloroethene and vinyl chloride. Water Research. Elsevier; 2002;36:4193–202.
13. Grostern A, Edwards EA. A 1, 1, 1-trichloroethane-degrading anaerobic mixed microbial culture enhances biotransformation of mixtures of chlorinated ethenes and ethanes. Applied and Environmental Microbiology. Am Soc Microbiol; 2006;72:7849–56.
14. Huang D, Becker JG. Determination of intrinsic monod kinetic parameters for two heterotrophic tetrachloroethene (pce)-respiring strains and insight into their application. Biotechnology and Bioengineering. Wiley Online Library; 2009;104:301–11.
15. Mayer-Blackwell K, Fincker M, Molenda O, Callahan B, Sewell H, Holmes S, et al. 1, 2-dichloroethane exposure alters the population structure, metabolism, and kinetics of a trichloroethene-dechlorinating *dehalococcoides mccartyi* consortium. Environmental Science & Technology. ACS Publications; 2016;50:12187–96.
16. Krajmalnik-Brown R, Hölscher T, Thomson IN, Saunders FM, Ritalahti KM, Löffler FE. Genetic identification of a putative vinyl chloride reductase in *dehalococcoides* sp. Strain bav1. Applied and Environmental Microbiology. Am Soc Microbiol; 2004;70:6347–51.
17. Müller JA, Rosner BM, Von Abendroth G, Meshulam-Simon G, McCarty PL, Spormann AM. Molecular identification of the catabolic vinyl chloride reductase from *dehalococcoides* sp. Strain vs and its environmental distribution. Applied and Environmental Microbiology. Am Soc Microbiol; 2004;70:4880–8.

18. Ritalahti KM, Amos BK, Sung Y, Wu Q, Koenigsberg SS, Löffler FE. Quantitative pcr targeting 16S rRNA and reductive dehalogenase genes simultaneously monitors multiple *dehalococcoides* strains. Applied and Environmental Microbiology. Am Soc Microbiol; 2006;72:2765–74.
19. Molenda O, Quaile AT, Edwards EA. Dehalogenimonas sp. Strain wbc-2 genome and identification of its trans-dichloroethene reductive dehalogenase, tdra. Applied and Environmental Microbiology. Am Soc Microbiol; 2016;82:40–50.
20. Yang Y, Higgins SA, Yan J, Şimşir B, Chourey K, Iyer R, et al. Grape pomace compost harbors organohalide-respiring dehalogenimonas species with novel reductive dehalogenase genes. The ISME Journal. Nature Publishing Group; 2017;11:2767.
21. Maillard J, Charnay M-P, Regeard C, Rohrbach-Brandt E, Rouzeau-Szynalski K, Rossi P, et al. Reductive dechlorination of tetrachloroethene by a stepwise catalysis of different organohalide respiring bacteria and reductive dehalogenases. Biodegradation. Springer; 2011;22:949–60.
22. Grostern A, Edwards EA. Growth of dehalobacter and dehalococcoides spp. During degradation of chlorinated ethanes. Applied and Environmental Microbiology. Am Soc Microbiol; 2006;72:428–36.
23. Moe WM, Yan J, Nobre MF, Costa MS da, Rainey FA. *Dehalogenimonas lykanthroporepellens* gen. Nov., sp. Nov., a reductively dehalogenating bacterium isolated from chlorinated solvent-contaminated groundwater. International Journal of Systematic and Evolutionary Microbiology. Microbiology Society; 2009;59:2692–7.
24. Yan J, Rash B, Rainey F, Moe W. Isolation of novel bacteria within the chloroflexi capable of reductive dechlorination of 1, 2, 3-trichloropropane. Environmental Microbiology. Wiley Online Library; 2009;11:833–43.
25. De Wildeman S, Diekert G, Van Langenhove H, Verstraete W. Stereoselective microbial dehalorespiration with vicinal dichlorinated alkanes. Applied and Environmental Microbiology. Am Soc Microbiol; 2003;69:5643–7.
26. Tang S, Edwards EA. Identification of *dehalobacter* reductive dehalogenases that catalyse dechlorination of chloroform, 1,1,1-trichloroethane and 1,1-dichloroethane. Phil Trans R Soc B. The Royal Society; 2013;368:20120318.
27. Grostern A, Duhamel M, Dworatzek S, Edwards EA. Chloroform respiration to dichloromethane by a *dehalobacter* population. Environmental Microbiology. Wiley Online Library; 2010;12:1053–60.
28. Justicia-Leon SD, Ritalahti KM, Mack EE, Löffler FE. Dichloromethane fermentation by a *dehalobacter* sp. In an enrichment culture derived from pristine river sediment. Applied and Environmental Microbiology. Am Soc Microbiol; 2012;78:1288–91.
29. Field JA, Sierra-Alvarez R. Microbial degradation of chlorinated benzenes. Biodegradation. Springer; 2008;19:463–80.
30. Jayachandran G, Görisch H, Adrian L. Dehalorespiration with hexachlorobenzene and pentachlorobenzene by *dehalococcoides* sp. Strain cbdb1. Archives of Microbiology. Springer; 2003;180:411–6.
31. Wu Q, Milliken CE, Meier GP, Watts JE, Sowers KR, May HD. Dechlorination of chlorobenzenes by a culture containing bacterium df-1, a pcb dechlorinating microorganism. Environmental Science & Technology. ACS Publications; 2002;36:3290–4.
32. Fung JM, Weisenstein BP, Mack EE, Vidumsky JE, Ei TA, Zinder SH. Reductive dehalogenation of dichlorobenzenes and monochlorobenzene to benzene in microcosms. Environmental Science & Technology. ACS Publications; 2009;43:2302–7.
33. Nelson JL, Fung JM, Cadillo-Quiroz H, Cheng X, Zinder SH. A role for *dehalobacter* spp. In the reductive dehalogenation of dichlorobenzenes and monochlorobenzene. Environmental Science & Technology. ACS Publications; 2011;45:6806–13.
34. Adrian L, Hansen SK, Fung JM, Görisch H, Zinder SH. Growth of *dehalococcoides* strains with chlorophenols as electron acceptors. Environmental Science & Technology. ACS Publications; 2007;41:2318–23.
35. Bouchard B, Beaudet R, Villemur R, McSween G, Lepine F, Bisailon J-G. Isolation and characterization of *desulfitobacterium frappieri* sp. Nov., an anaerobic bacterium which reductively dechlorinates pentachlorophenol to 3-chlorophenol. International Journal of Systematic and Evolutionary Microbiology. Microbiology Society; 1996;46:1010–5.

36. Sanford RA, Cole JR, Löffler F, Tiedje JM. Characterization of *desulfitobacterium chlororespirans* sp. Nov., which grows by coupling the oxidation of lactate to the reductive dechlorination of 3-chloro-4-hydroxybenzoate. *Applied and Environmental Microbiology*. Am Soc Microbiol; 1996;62:3800–8.
37. Field J, Sierra-Alvarez R. Biodegradability of chlorinated solvents and related chlorinated aliphatic compounds. *Reviews in Environmental Science and Biotechnology*. Springer; 2004;3:185–254.
38. Chang H-L, Alvarez-Cohen L. Biodegradation of individual and multiple chlorinated aliphatic hydrocarbons by methane-oxidizing cultures. *Applied and Environmental Microbiology*. Am Soc Microbiol; 1996;62:3371–7.
39. Colby J, Stirling DI, Dalton H. The soluble methane mono-oxygenase of *methylococcus capsulatus* (bath). Its ability to oxygenate n-alkanes, n-alkenes, ethers, and alicyclic, aromatic and heterocyclic compounds. *Biochemical Journal*. Portland Press Limited; 1977;165:395–402.
40. Oldenhuis R, Oedzes JY, Van der Waarde J, Janssen DB. Kinetics of chlorinated hydrocarbon degradation by *methylosinus trichosporium ob3b* and toxicity of trichloroethylene. *Applied and Environmental Microbiology*. Am Soc Microbiol; 1991;57:7–14.
41. Hylckama VJ van, De Koning W, Janssen DB. Transformation kinetics of chlorinated ethenes by *methylosinus trichosporium ob3b* and detection of unstable epoxides by on-line gas chromatography. *Applied and Environmental Microbiology*. Am Soc Microbiol; 1996;62:3304–12.
42. Futamata H, Harayama S, Watanabe K. Group-specific monitoring of phenol hydroxylase genes for a functional assessment of phenol-stimulated trichloroethylene bioremediation. *Applied and Environmental Microbiology*. Am Soc Microbiol; 2001;67:4671–7.
43. McClay K, Streger SH, Steffan RJ. Induction of toluene oxidation activity in *pseudomonas mendocina* kr1 and *pseudomonas* sp. Strain envpc5 by chlorinated solvents and alkanes. *Applied and Environmental Microbiology*. Am Soc Microbiol; 1995;61:3479–81.
44. Newman LM, Wackett LP. Trichloroethylene oxidation by purified toluene 2-monooxygenase: Products, kinetics, and turnover-dependent inactivation. *Journal of Bacteriology*. Am Soc Microbiol; 1997;179:90–6.
45. Byrne AM, Olsen RH. Cascade regulation of the toluene-3-monooxygenase operon (*tbuA1UBVA2C*) of *burkholderia pickettii* pko1: Role of the *tbuA1* promoter (*ptbua1*) in the expression of its cognate activator, *tbut*. *Journal of Bacteriology*. Am Soc Microbiol; 1996;178:6327–37.
46. Wackett LP, Gibson DT. Degradation of trichloroethylene by toluene dioxygenase in whole-cell studies with *pseudomonas putida* f1. *Applied and Environmental Microbiology*. Am Soc Microbiol; 1988;54:1703–8.
47. Leahy JG, Byrne AM, Olsen RH. Comparison of factors influencing trichloroethylene degradation by toluene-oxidizing bacteria. *Applied and Environmental Microbiology*. Am Soc Microbiol; 1996;62:825–33.
48. Wiedemeier TH, Wilson JT, Freedman DL, Lee B. Providing additional support for *mna* by including quantitative lines of evidence for abiotic degradation and co-metabolic oxidation of chlorinated ethylenes. TH Wiedemeier; Associates, Inc. Sedalia United States; 2017.
49. Mattes TE, Alexander AK, Coleman NV. Aerobic biodegradation of the chloroethenes: Pathways, enzymes, ecology, and evolution. *FEMS Microbiology Reviews*. The Oxford University Press; 2010;34:445–75.
50. Coleman NV, Spain JC. Epoxyalkane: Coenzyme m transferase in the ethene and vinyl chloride biodegradation pathways of *mycobacterium* strain js60. *Journal of Bacteriology*. Am Soc Microbiol; 2003;185:5536–45.
51. Dominguez RF, Silva ML da, McGuire TM, Adamson D, Newell CJ, Alvarez PJ. Aerobic bioremediation of chlorobenzene source-zone soil in flow-through columns: Performance assessment using quantitative pcr. *Biodegradation*. Springer; 2008;19:545–53.
52. La Roche SD, Leisinger T. Sequence analysis and expression of the bacterial dichloromethane dehalogenase structural gene, a member of the glutathione s-transferase supergene family. *Journal of Bacteriology*. Am Soc Microbiol; 1990;172:164–71.

Appendix C Trend Monitoring Graphs

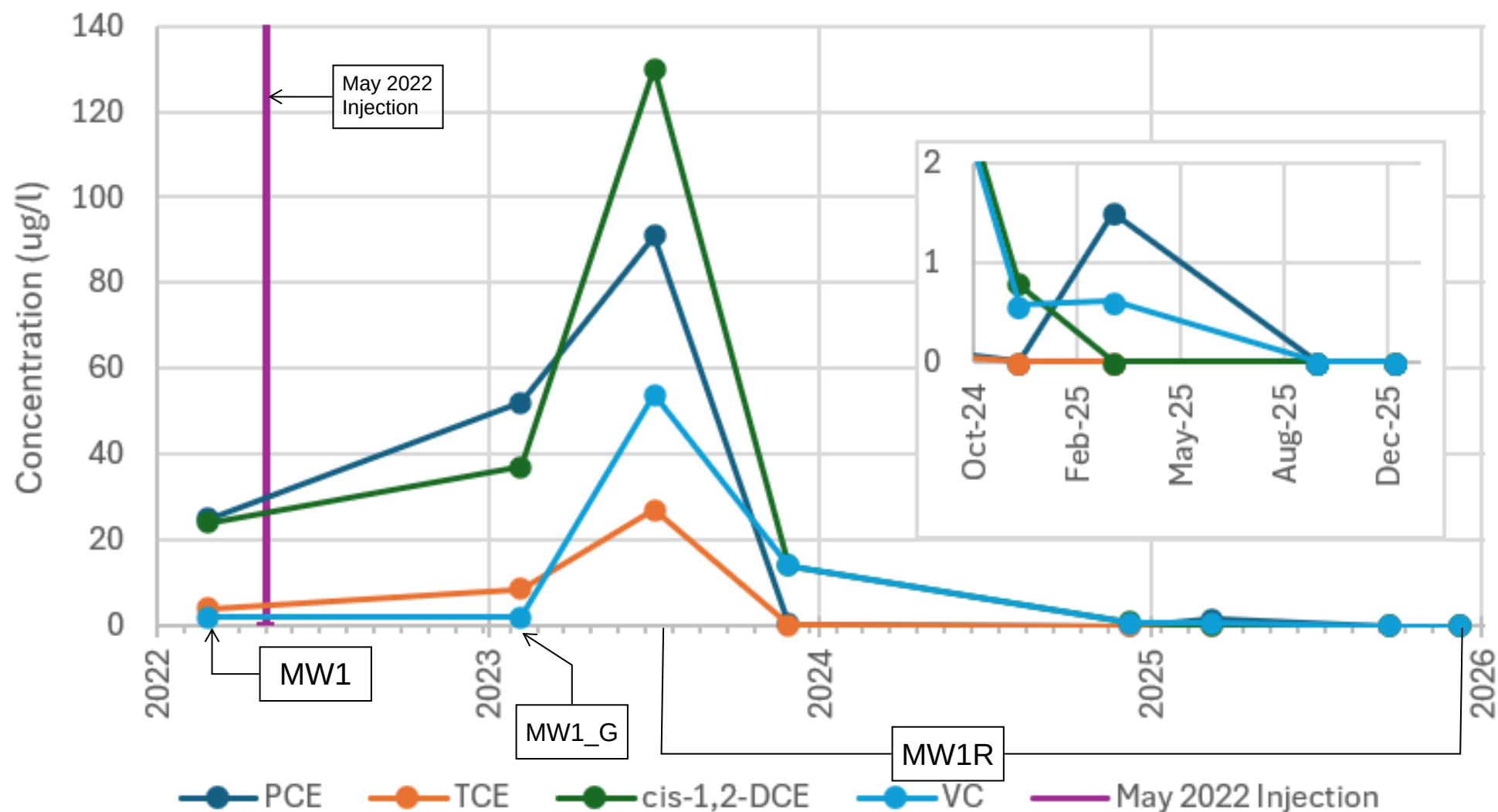
Appendix C.1. CVOC Trend Monitoring Graphs

Appendix C.2. PFAS Trend Monitoring Graphs

Appendix C.3. MNA Parameters Trend Monitoring Graphs

Appendix C.1. CVOC Trend Monitoring Graphs

MW1/1R CVOC Concentrations

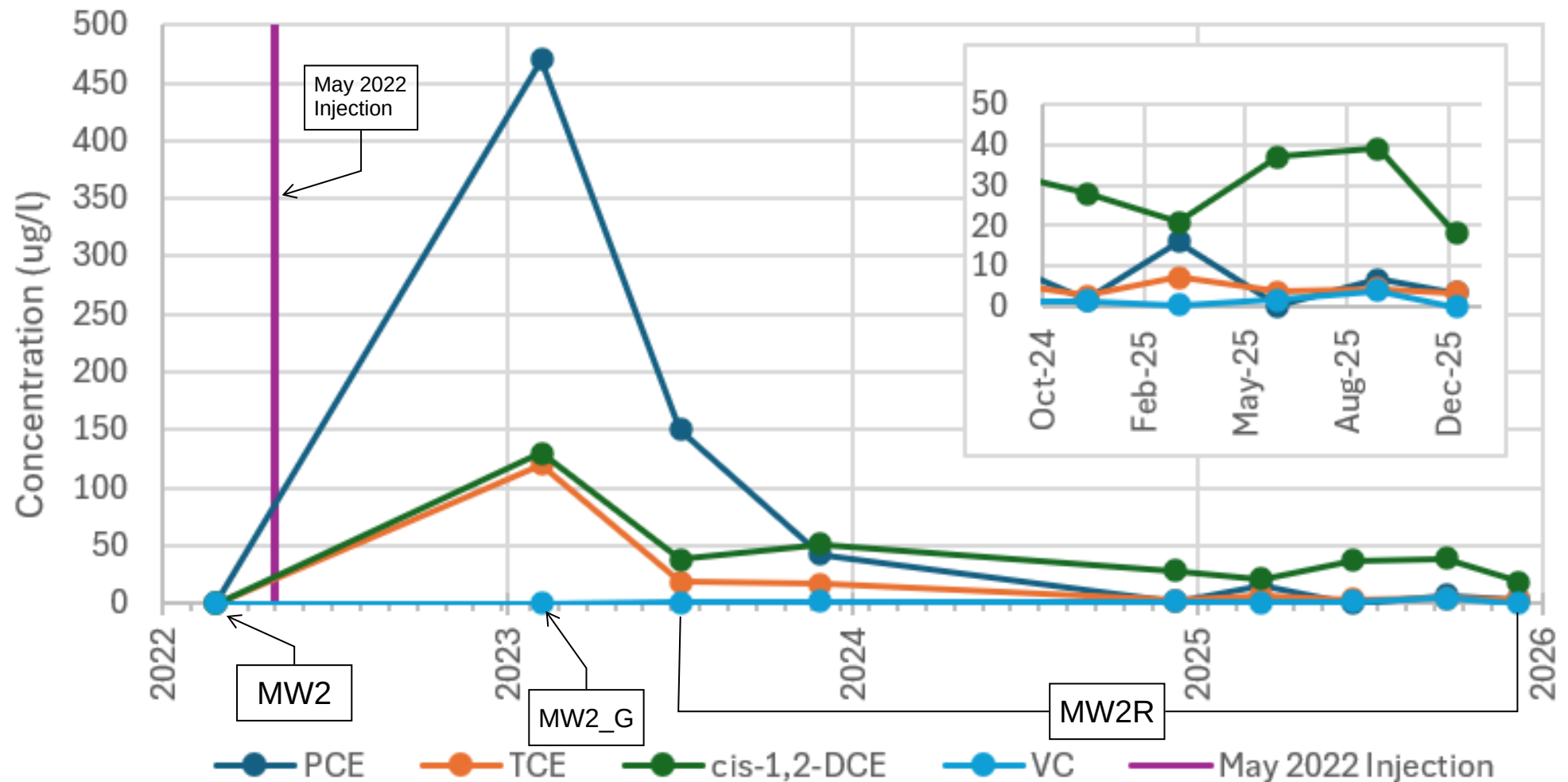


A Hydropunch sampler was used to collect groundwater from a temporary boring at the approximate location of MW1R in February 2023 because a permanent well could not be installed at that time due to ongoing facility construction. This sample is designated with a "_G" suffix.

Permanent well MW1R was installed at the approximate location of former permanent well MW1 and, as such, data for these wells are presented together.

There was not a sample collected from MW1R in June 2025 due to the presence of NAPL.

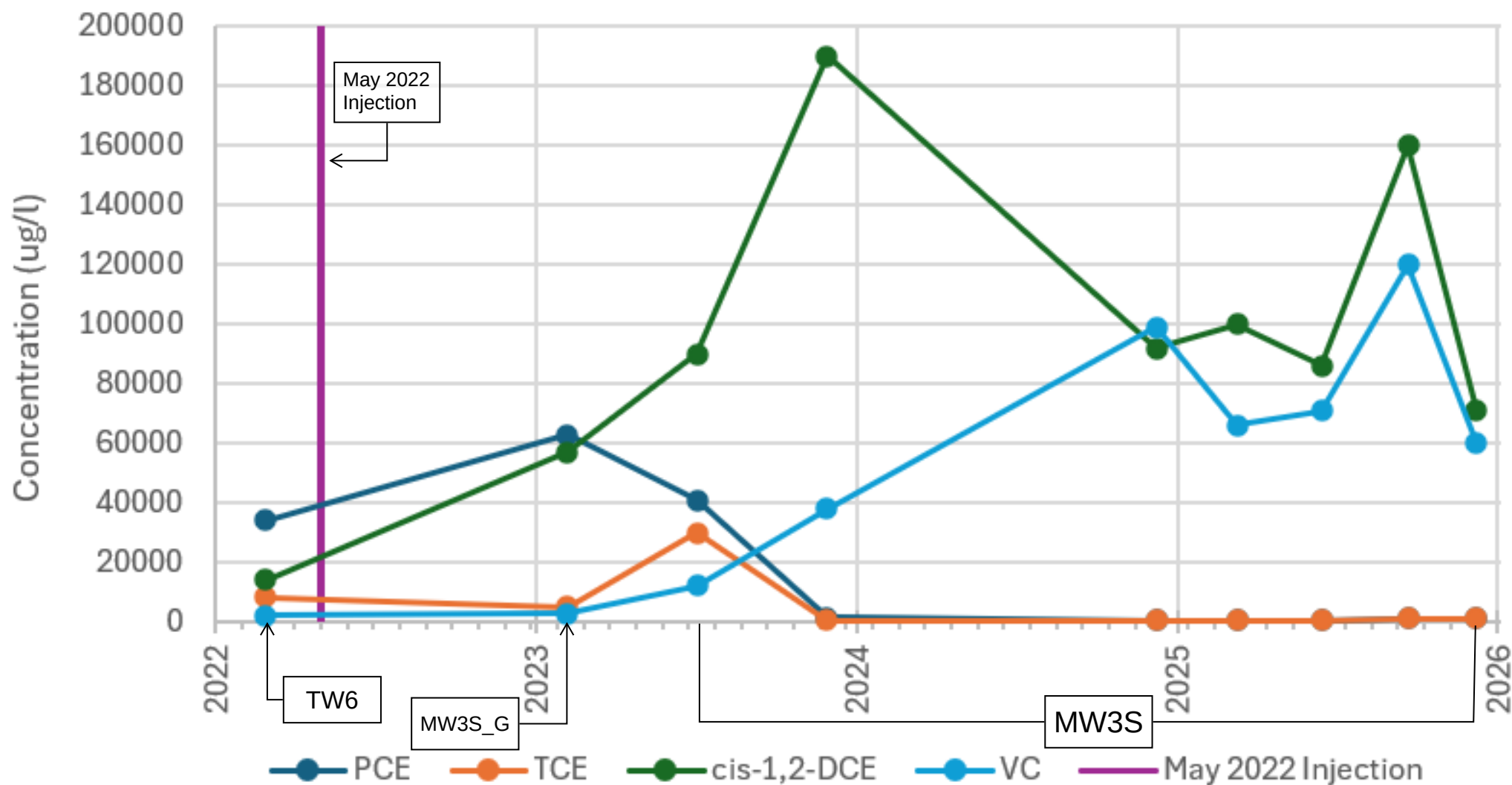
MW2/2R CVOC Concentrations



A Hydropunch sampler was used to collect groundwater from temporary boring at the approximate location of MW2R in February 2023 because a permanent well could not be installed at that time due to ongoing facility construction. This sample is designated with a "_G" suffix.

Permanent well MW2R was installed at the approximate location of former permanent well MW2 and, as such, data for these wells are presented together.

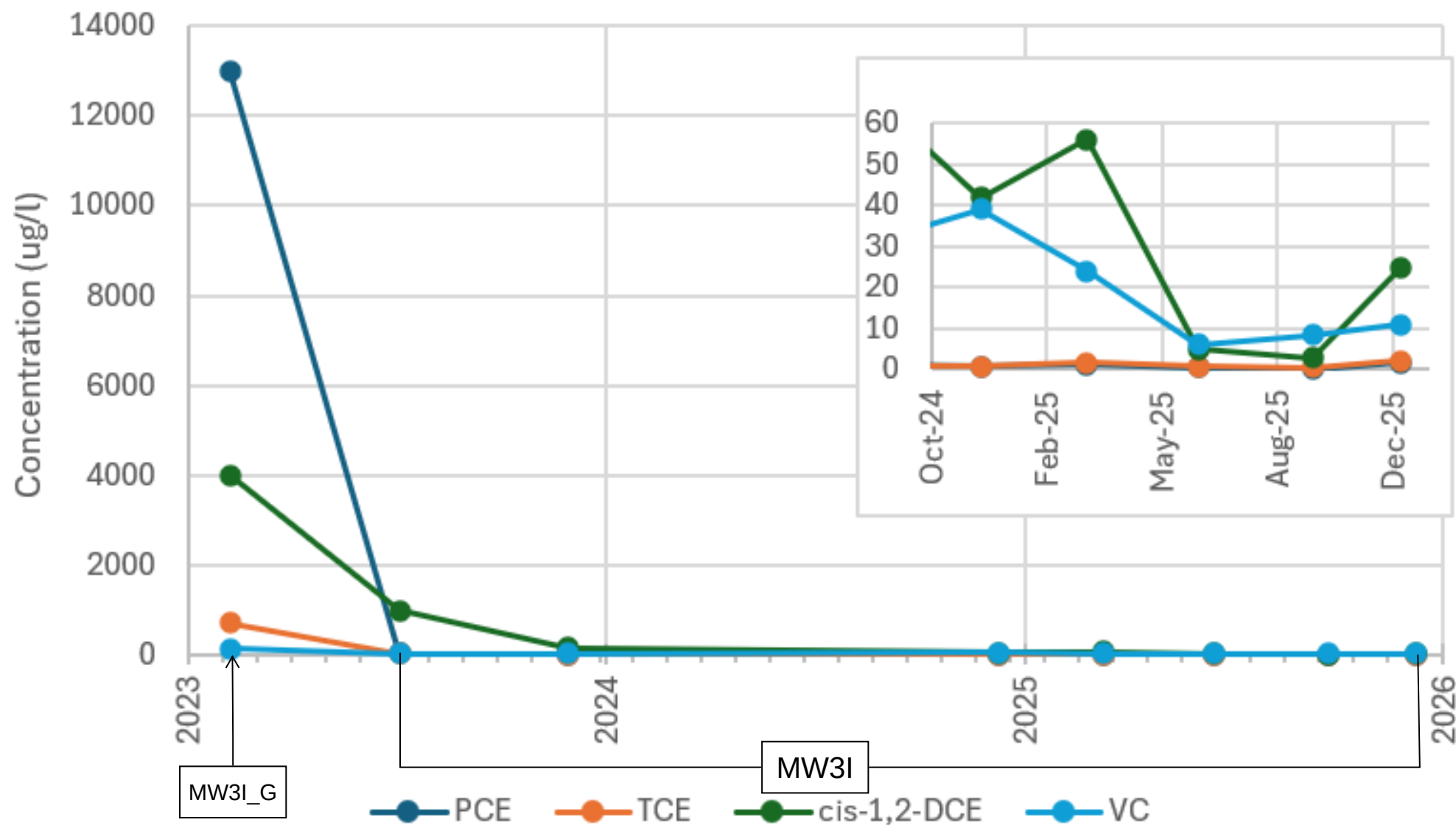
MW3S/TW6 CVOC Concentrations



A Hydropunch sampler was used to collect groundwater from a temporary boring at the approximate location of MW3S/I in February 2023 because permanent wells could not be installed at that time due to ongoing facility construction. This sample is designated with a "_G" suffix.

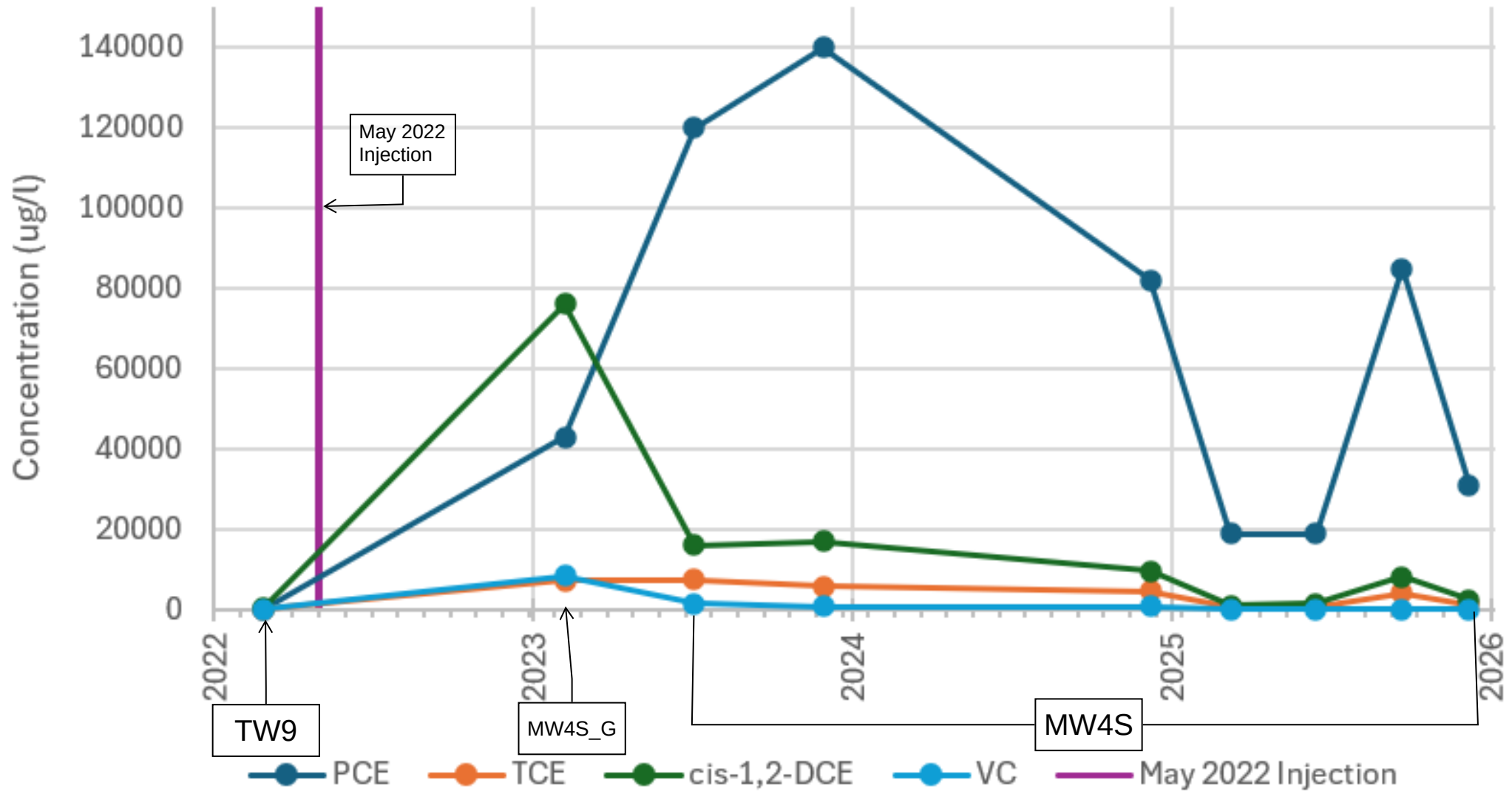
Permanent well MW3S was installed at the approximate location of former temporary well TW6 and, as such, data for these co-located wells are presented together.

MW3I CVOC Concentrations



A Hydropunch sampler was used to collect groundwater from a temporary boring at the approximate location of MW3S/I in February 2023 because permanent wells could not be installed at that time due to ongoing facility construction. This sample is designated with a "_G" suffix.

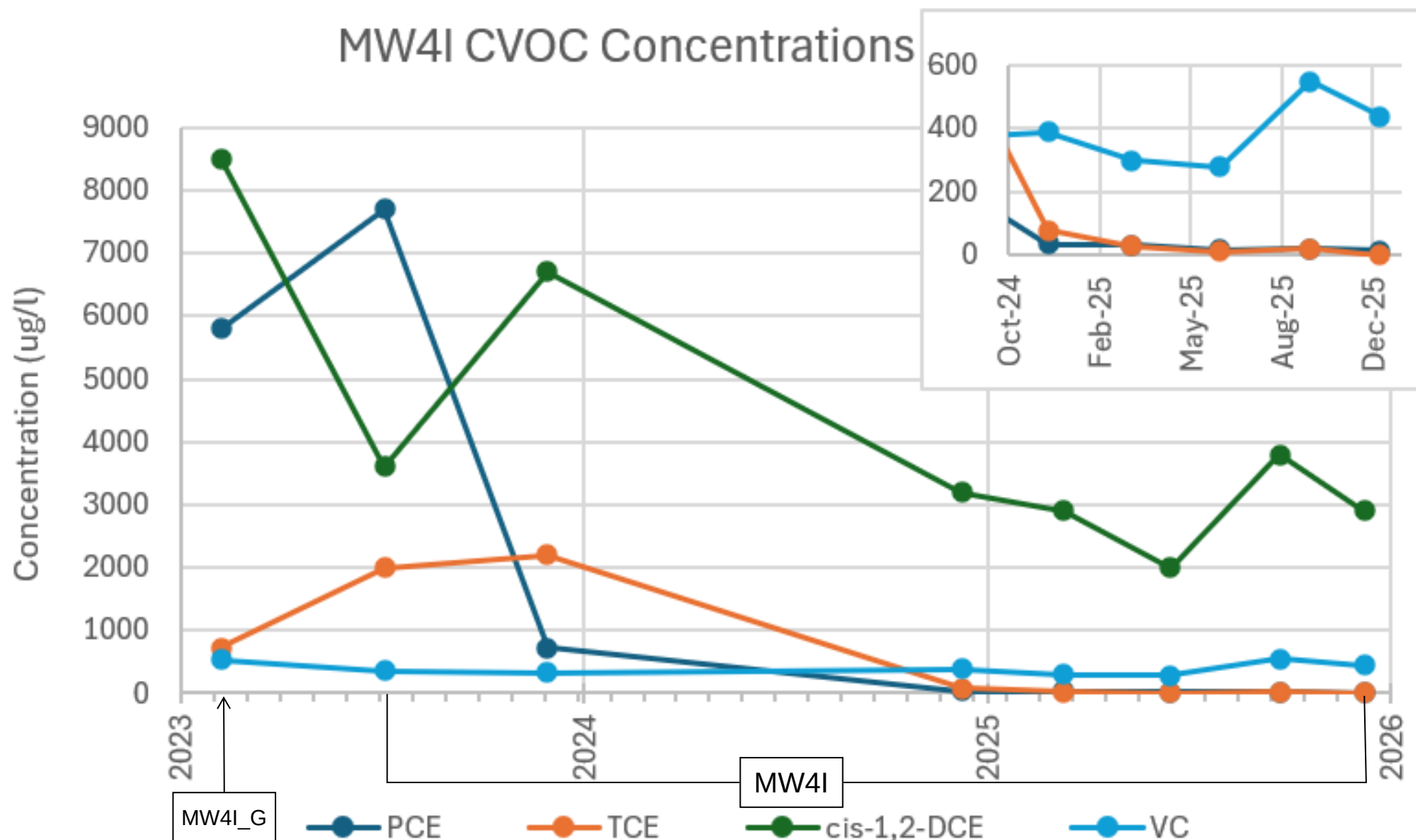
MW4S/TW9 CVOC Concentrations



A Hydropunch sampler was used to collect groundwater from a temporary boring at the approximate location of MW4S/I in February 2023 because permanent wells could not be installed at that time due to ongoing facility construction. This sample is designated with a "_G" suffix.

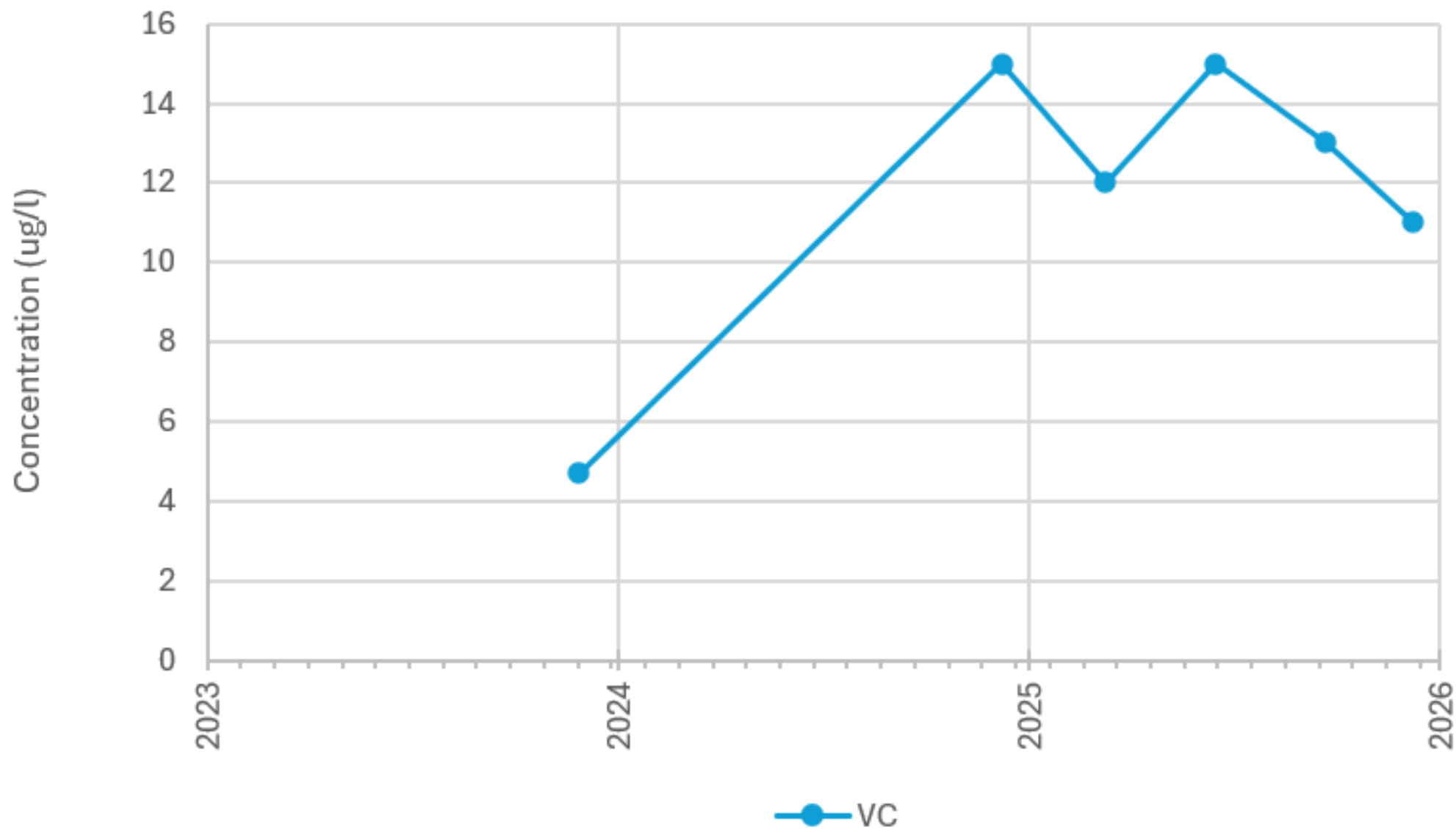
Permanent well MW4S was installed at the approximate location of former temporary well TW9 and, as such, data for these co-located wells are presented together.

MW4I CVOC Concentrations

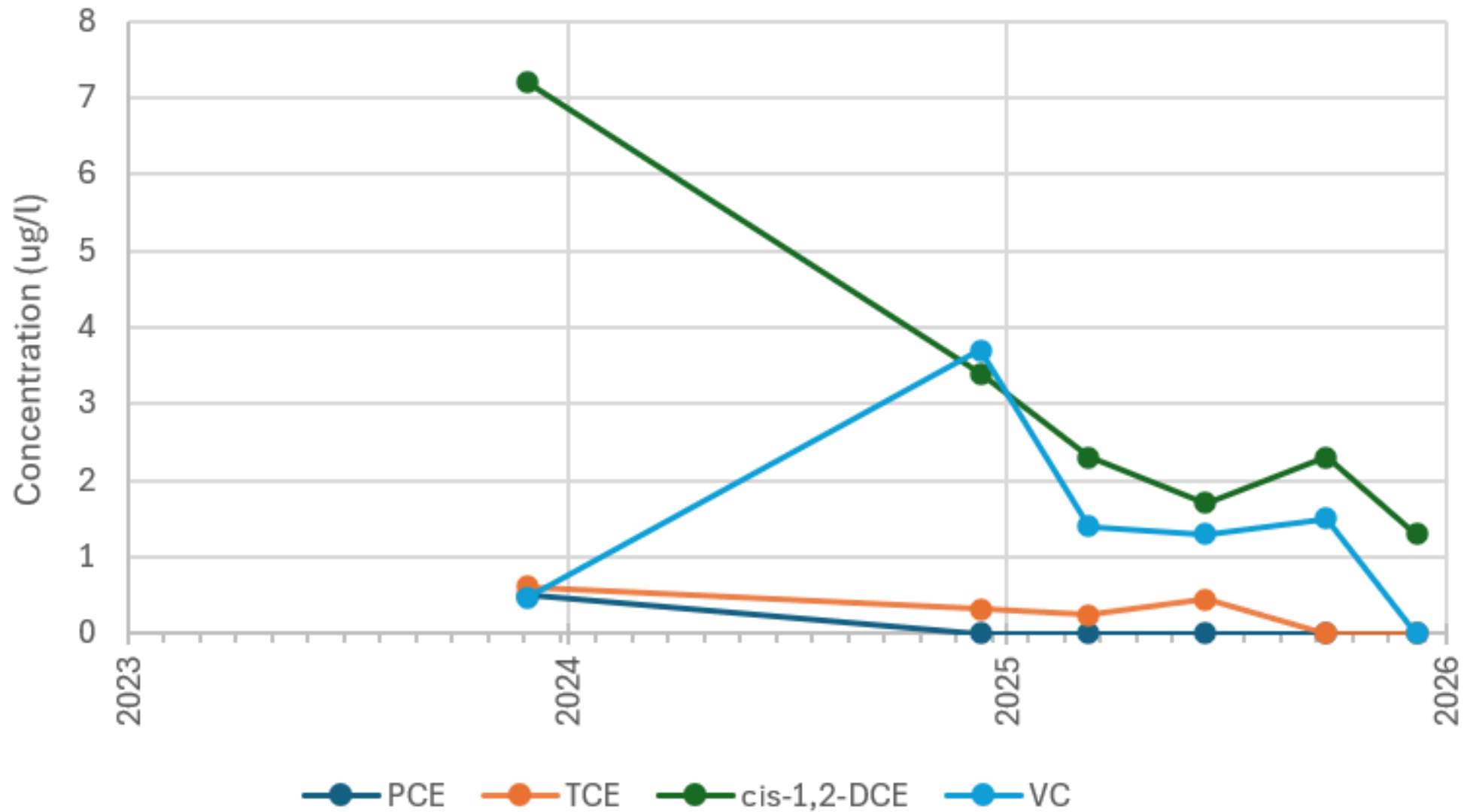


A Hydropunch sampler was used to collect groundwater from a temporary boring at the approximate locations of MW4S/I in February 2023 because permanent wells could not be installed at that time due to ongoing facility construction. This sample is designated with a "_G" suffix.

MW7 CVOC Concentrations

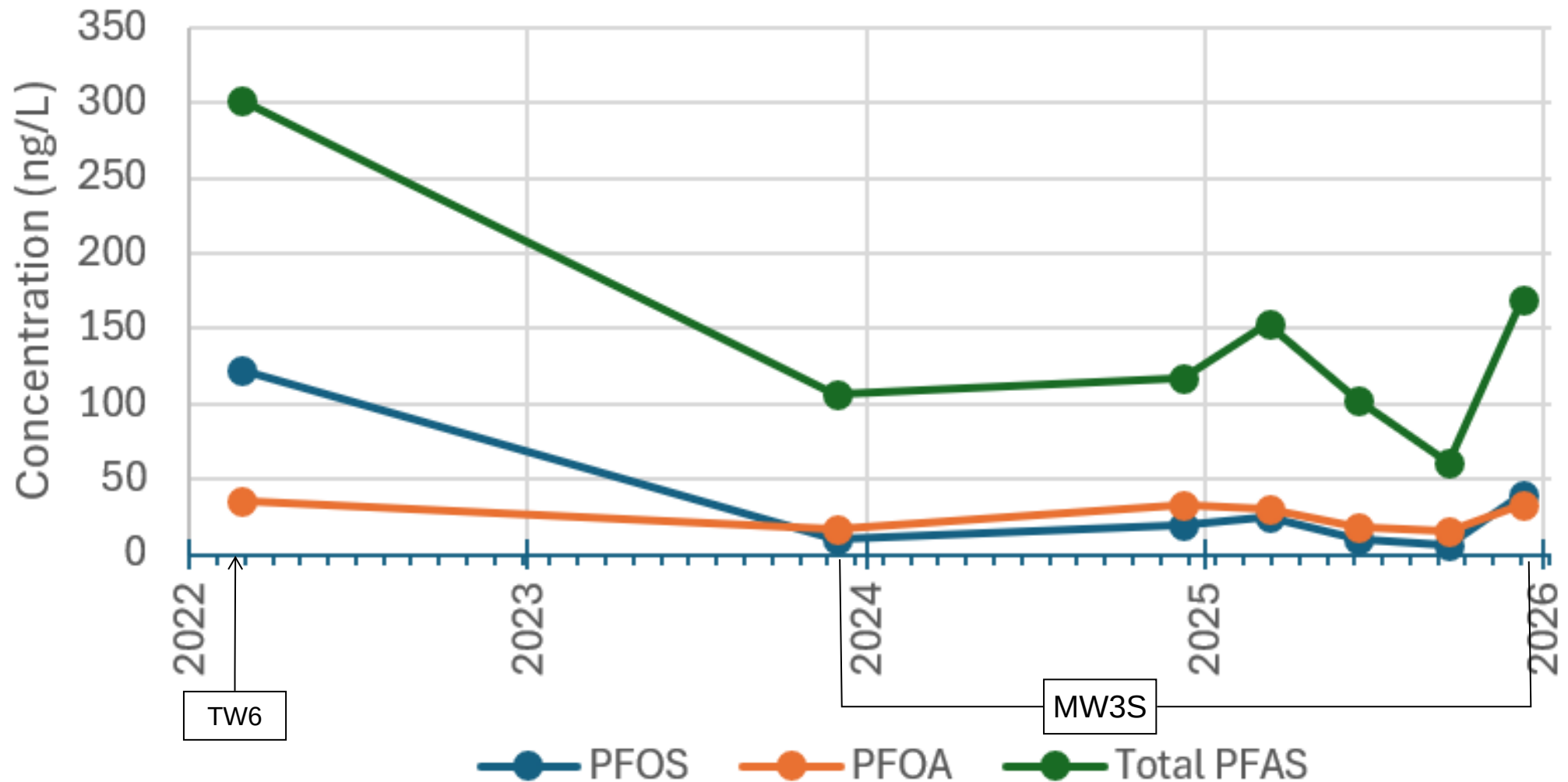


MW12S CVOC Concentrations



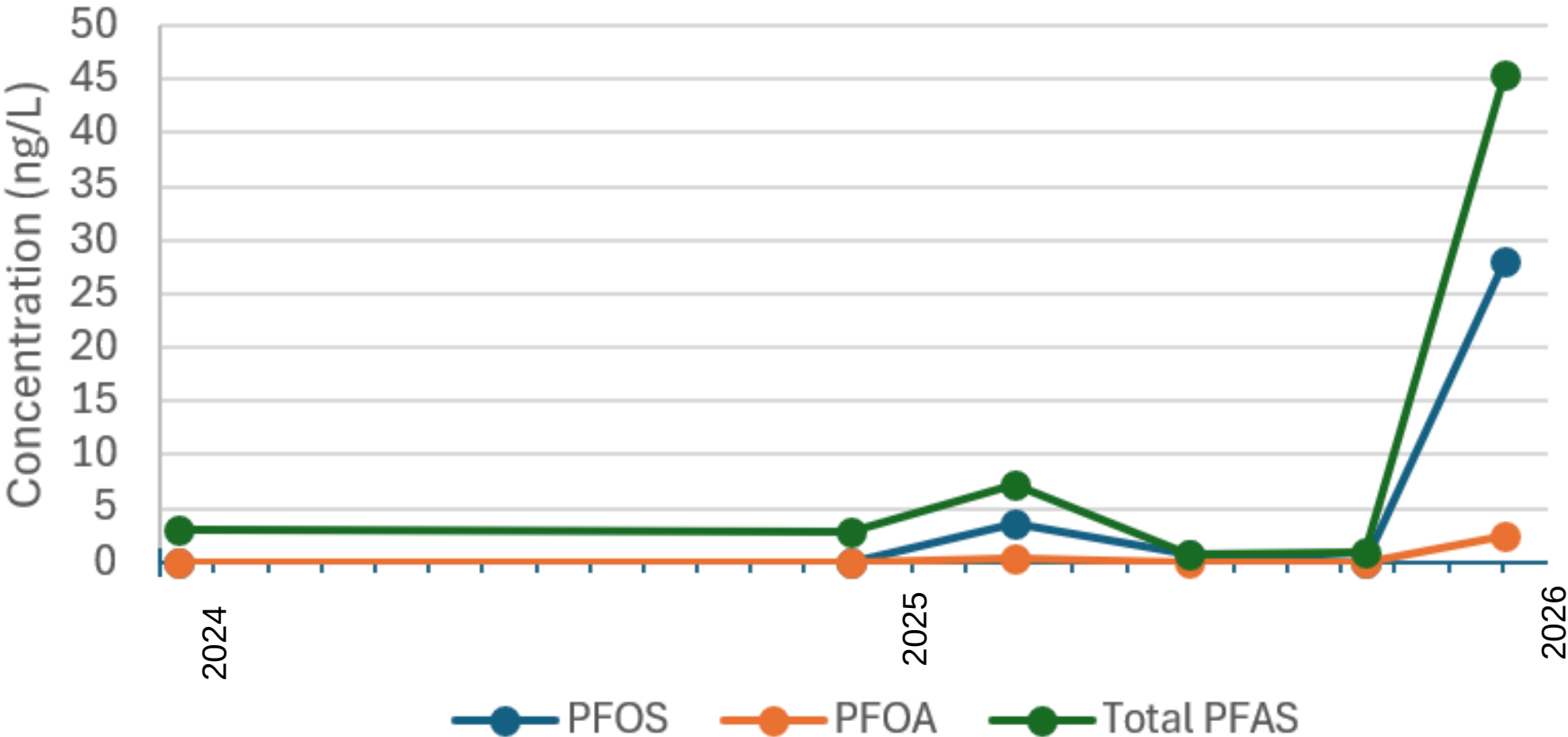
Appendix C.2. PFAS Trend Monitoring Graphs

MW3S PFAS Concentrations

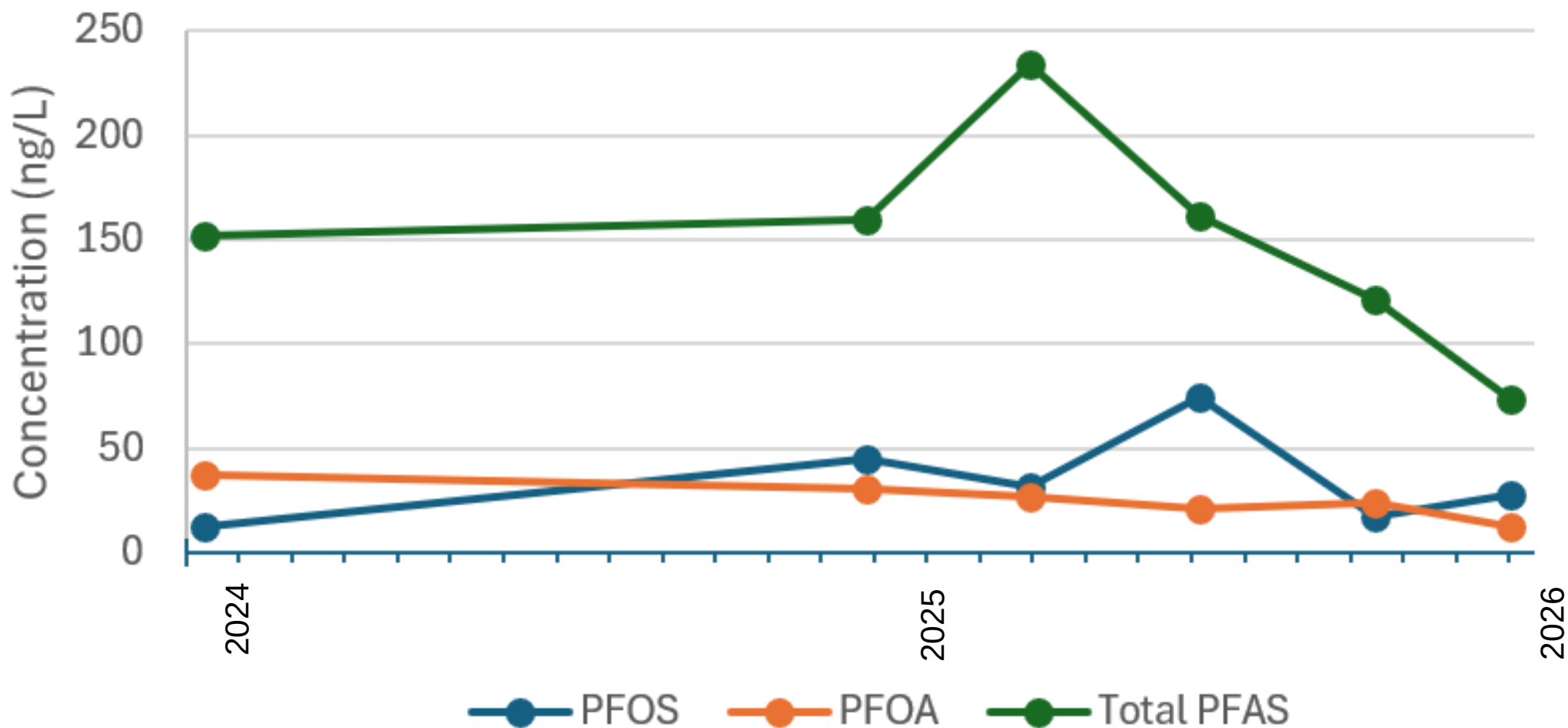


Permanent well MW3S was installed at the approximate location of former temporary well TW6 and, as such, data for these co-located wells are presented together.

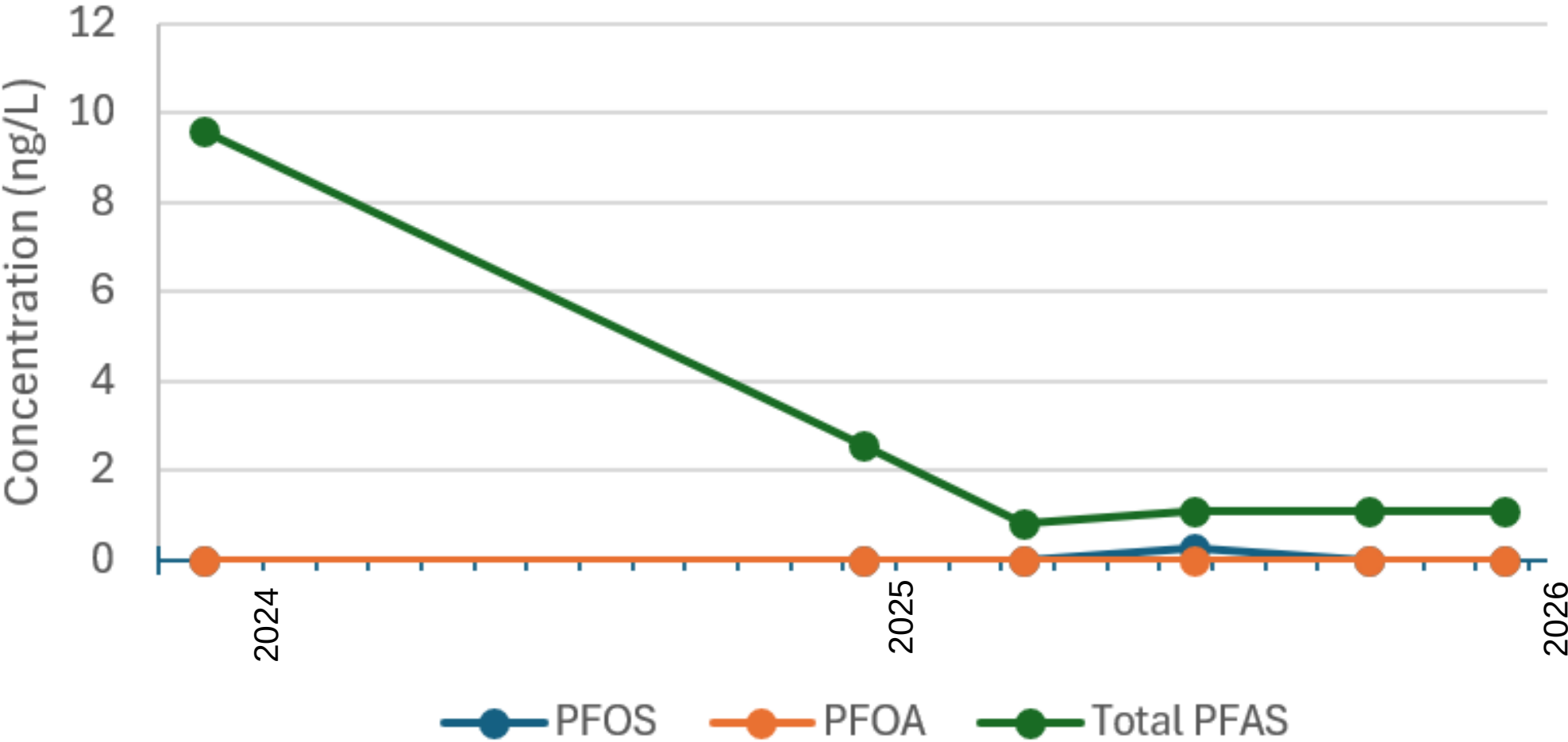
MW3I PFAS Concentrations



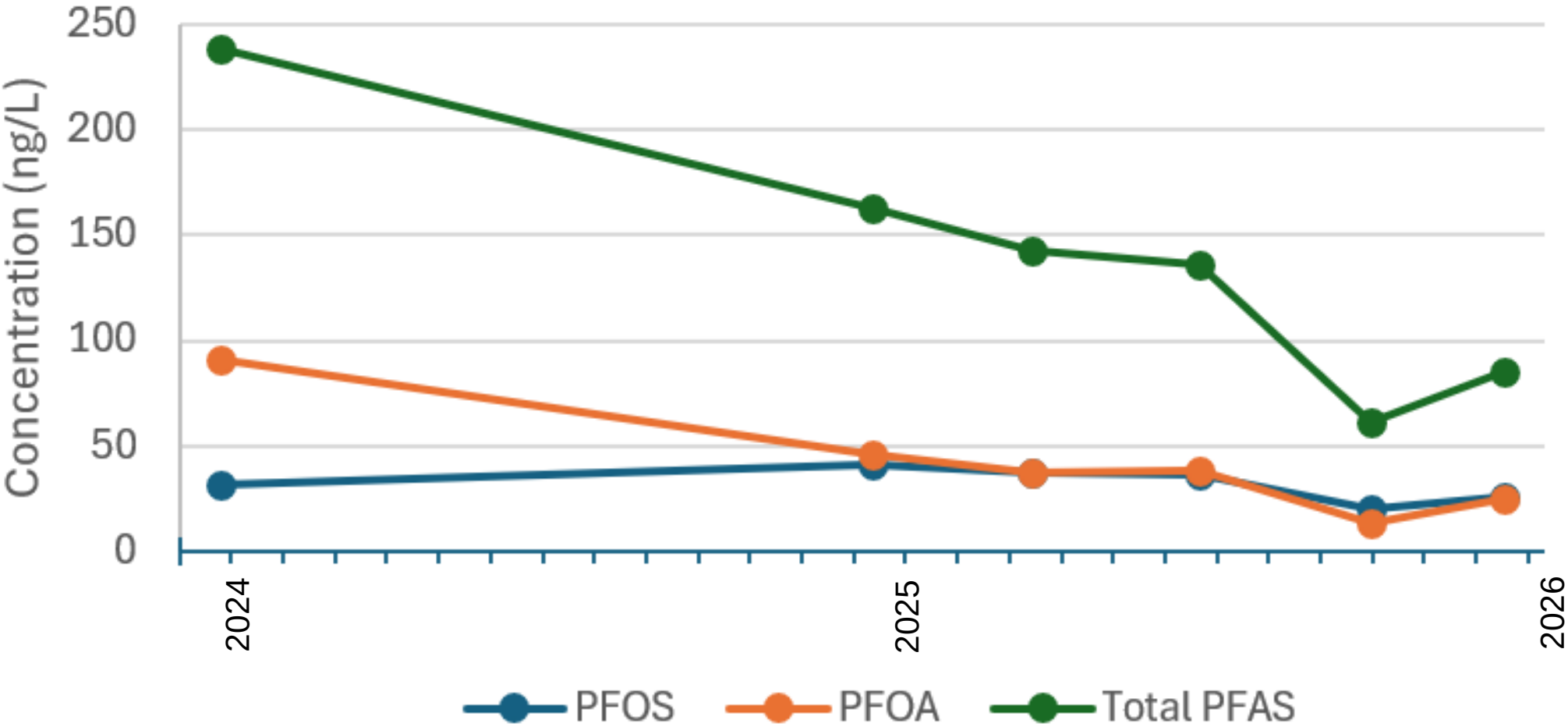
MW4S PFAS Concentrations



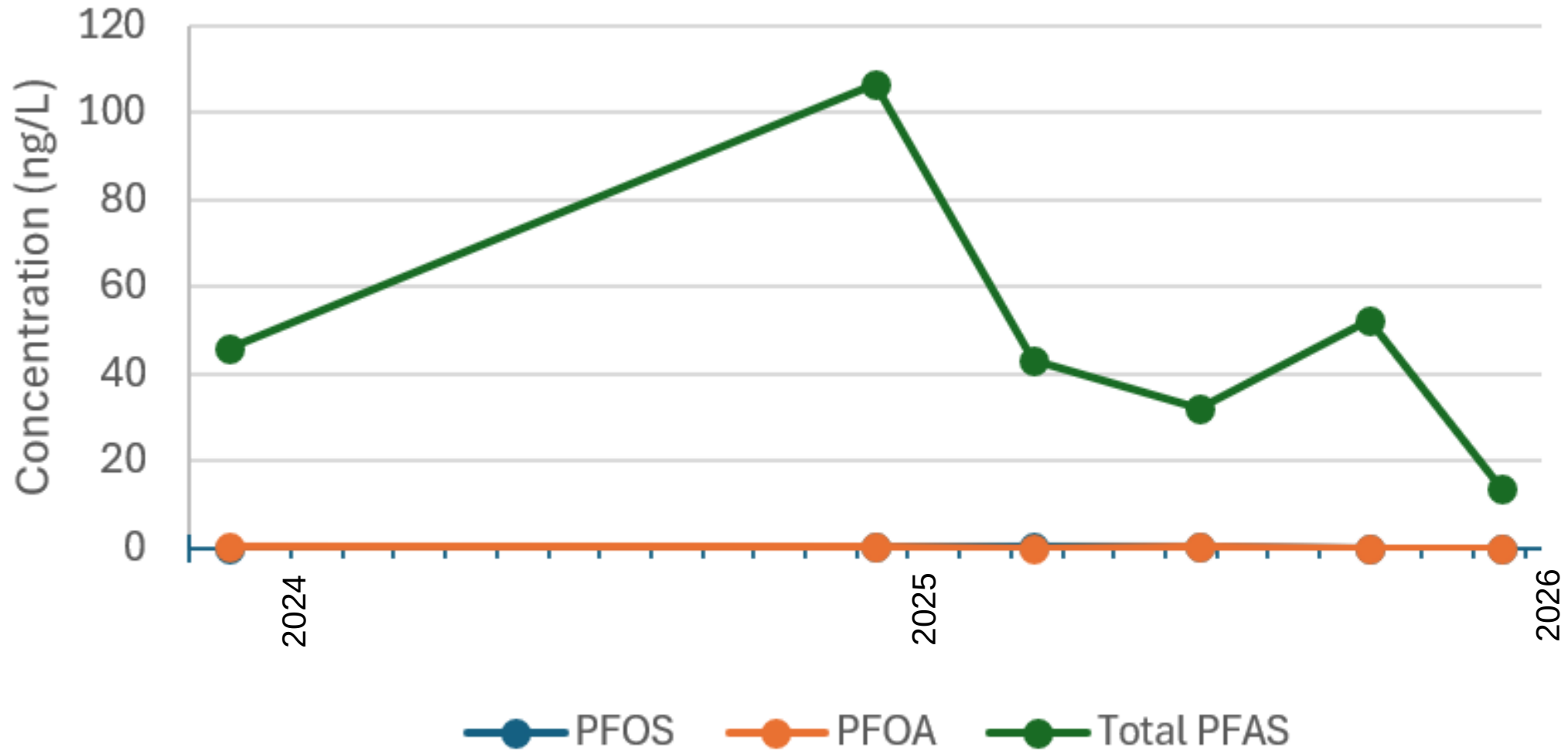
MW4I PFAS Concentrations



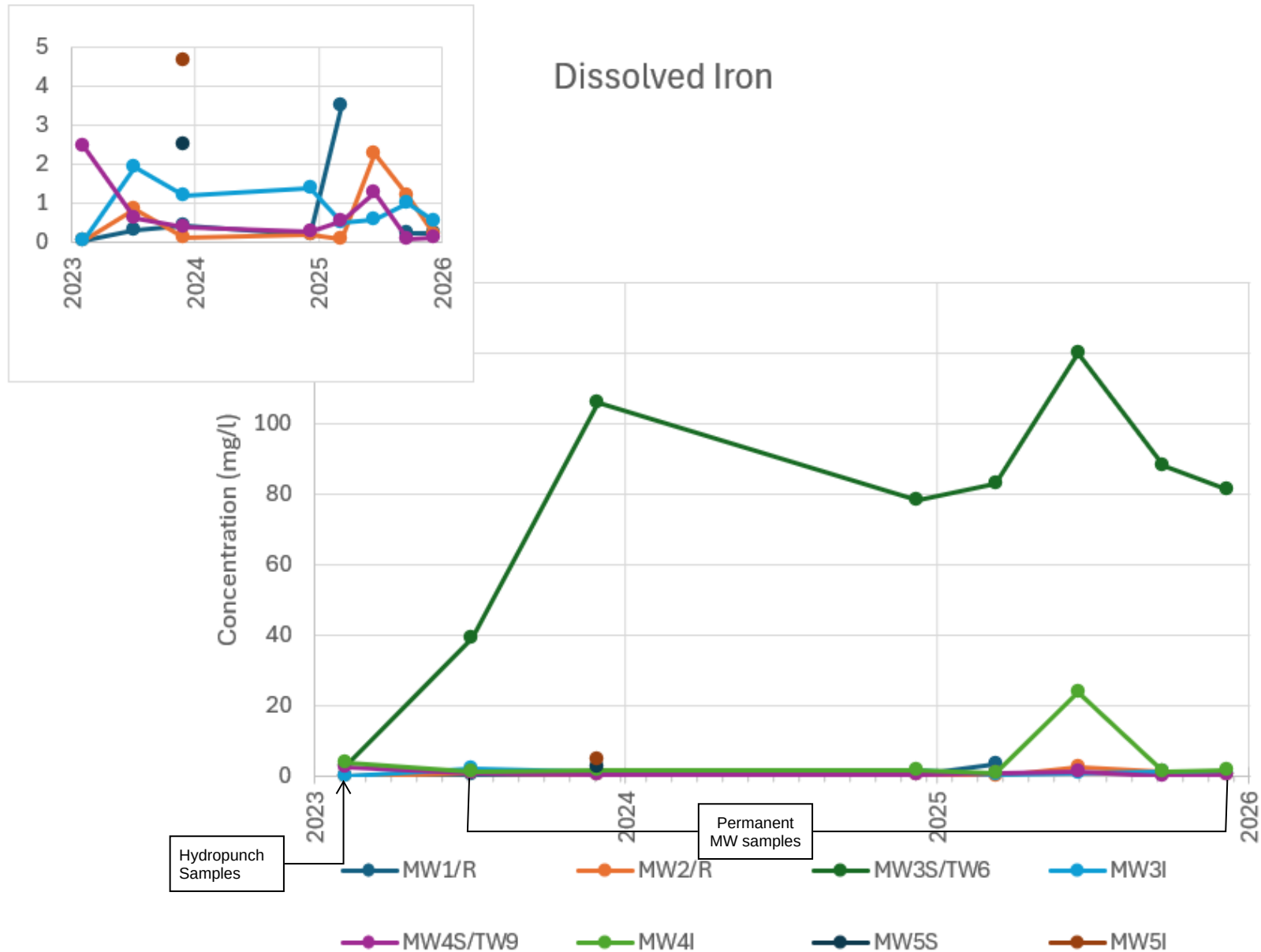
MW5S PFAS Concentrations



MW5I PFAS Concentrations



Appendix C.3. MNA Parameters Trend Monitoring Graphs

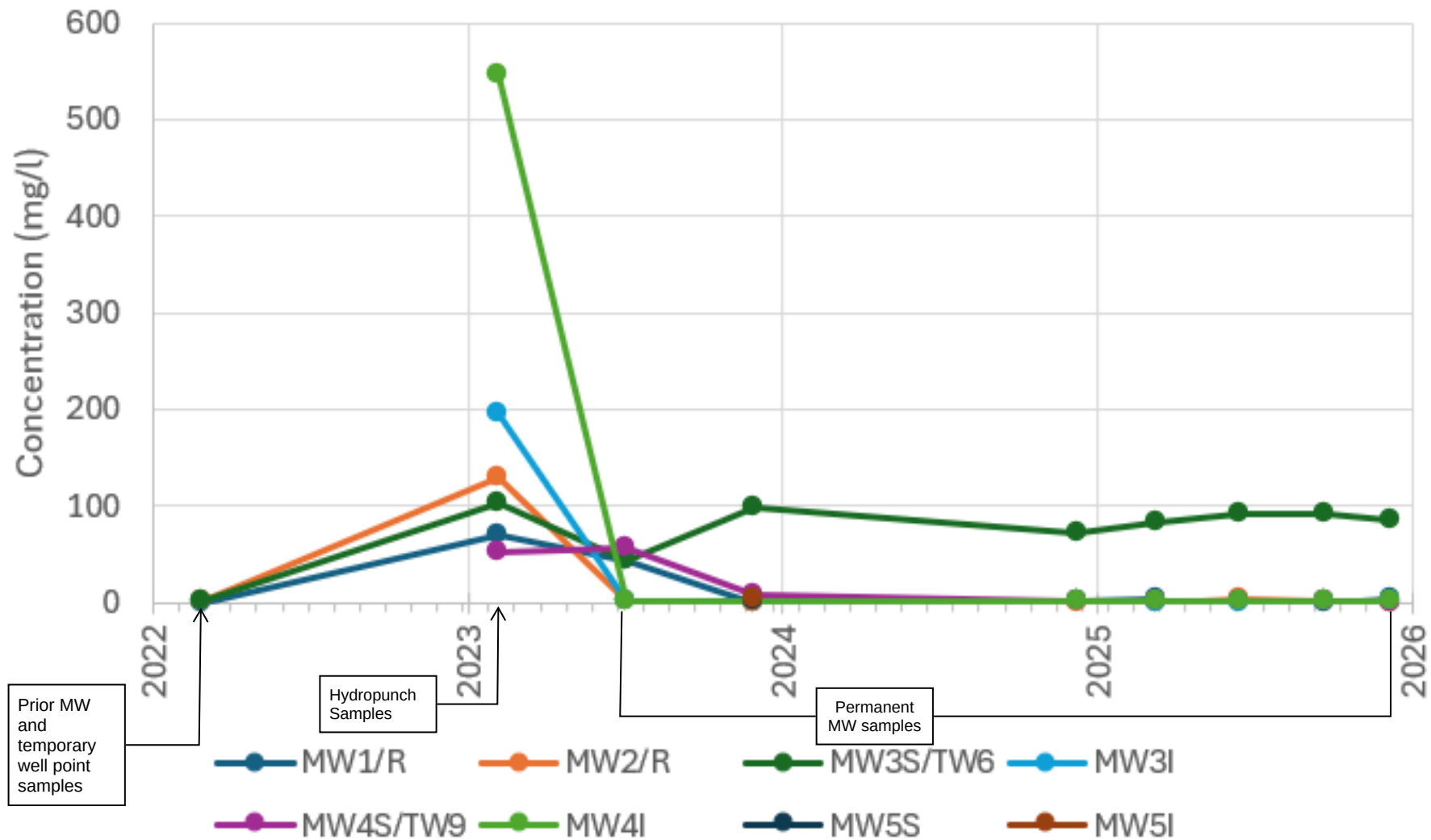


A Hydropunch sampler was used to collect groundwater from temporary borings at the approximate locations of MW1R, MW2R, MW3S/I, and MW4S/I in February 2023 because permanent wells could not be installed at that time due to ongoing facility construction. These samples are designated with "_G" suffixes. One exception: samples from MW5S and MW5I in February 2023 were collected from permanent monitoring wells.

Permanent wells MW1R, MW2R, MW3S/I, and MW4S/I were installed at the approximate locations of former associated samples and, as such, data for these wells are presented together.

There was not a sample collected from MW1R in June 2025 due to the presence of NAPL.

Total Iron

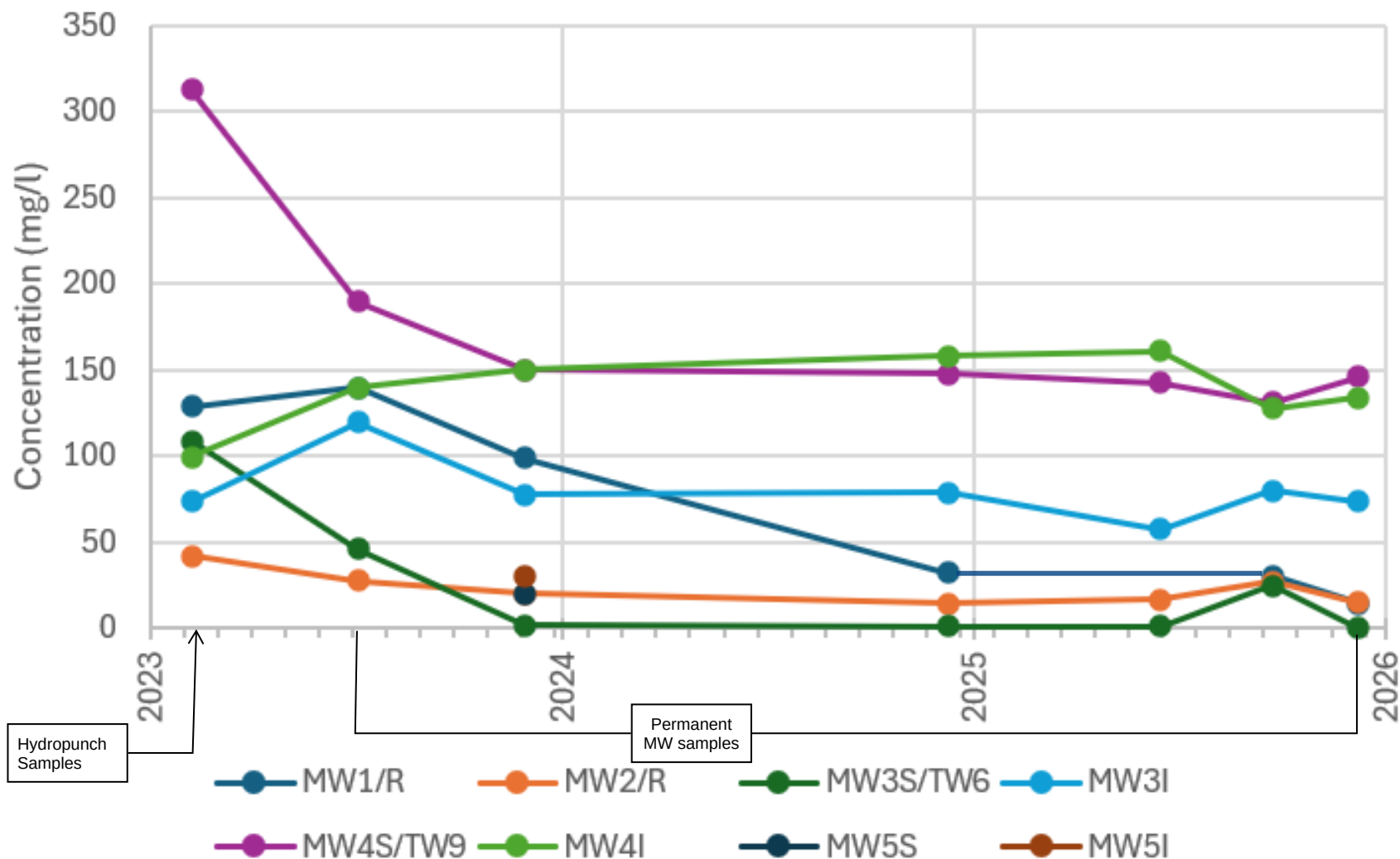


Samples collected in 2022 were taken from the prior monitoring wells MW1 and MW2 and temporary well points TW6 and TW9. A Hydropunch sampler was used to collect groundwater from temporary borings at the approximate locations of MW1R, MW2R, MW3S/I, and MW4S/I in February 2023 because permanent wells could not be installed at that time due to ongoing facility construction. These samples are designated with "_G" suffixes. One exception: samples from MW5S and MW5I in February 2023 were collected from permanent monitoring wells.

Permanent wells MW1R, MW2R, MW3S/I, and MW4S/I were installed at the approximate locations of former associated samples and, as such, data for these wells are presented together.

There was not a sample collected from MW1R in June 2025 due to the presence of NAPL.

Sulfate



Hydropunch Samples

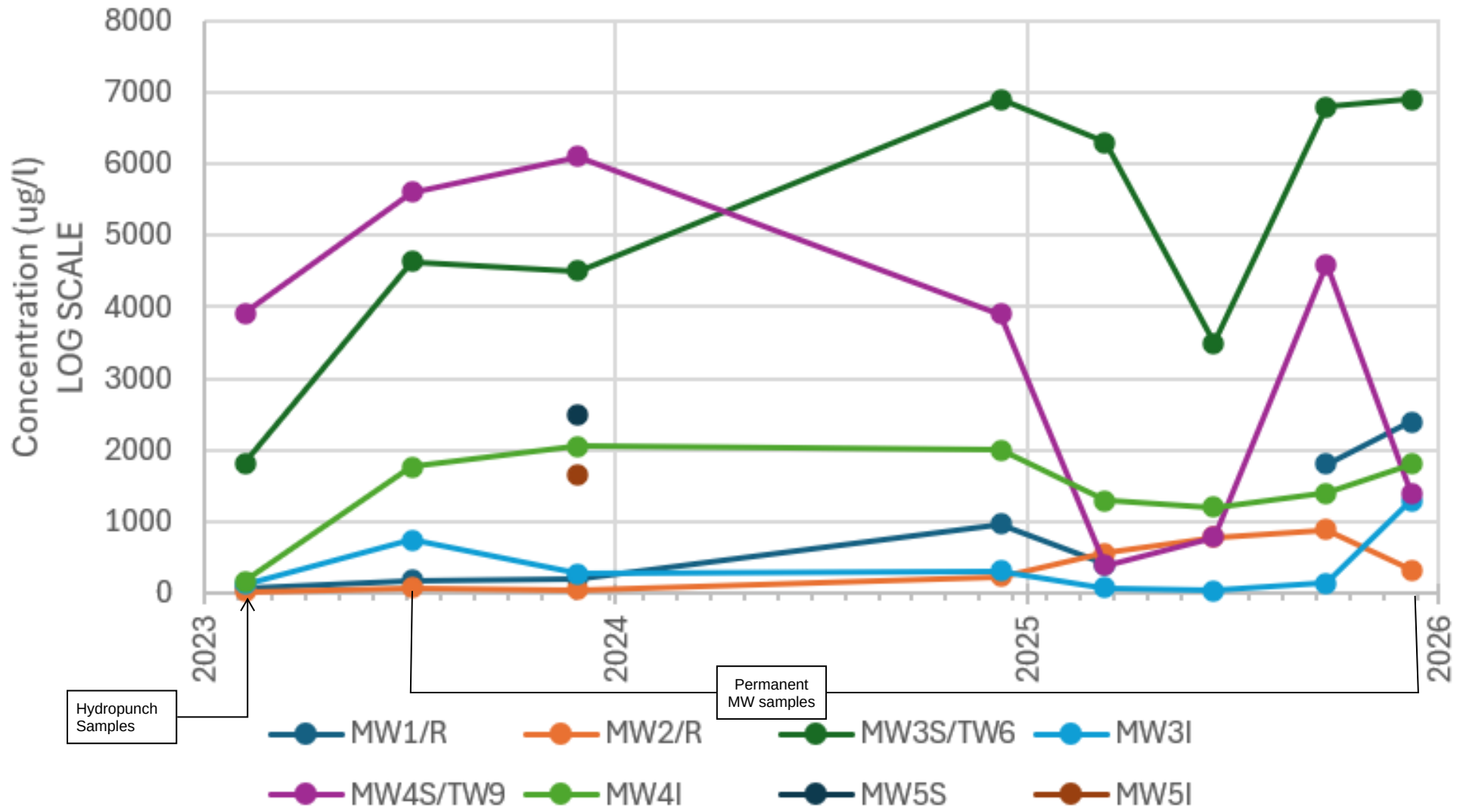
Permanent MW samples

Samples collected in 2022 were taken from the prior monitoring wells MW1 and MW2 and temporary well points TW6 and TW9. A Hydropunch sampler was used to collect groundwater from temporary borings at the approximate locations of MW1R, MW2R, MW3S/I, and MW4S/I in February 2023 because permanent wells could not be installed at that time due to ongoing facility construction. These samples are designated with "_G" suffixes. One exception: samples from MW5S and MW5I in February 2023 were collected from permanent monitoring wells.

Permanent wells MW1R, MW2R, MW3S/I, and MW4S/I were installed at the approximate locations of former associated samples and, as such, data for these wells are presented together.

There was not a sample collected from MW1R in June 2025 due to the presence of NAPL.

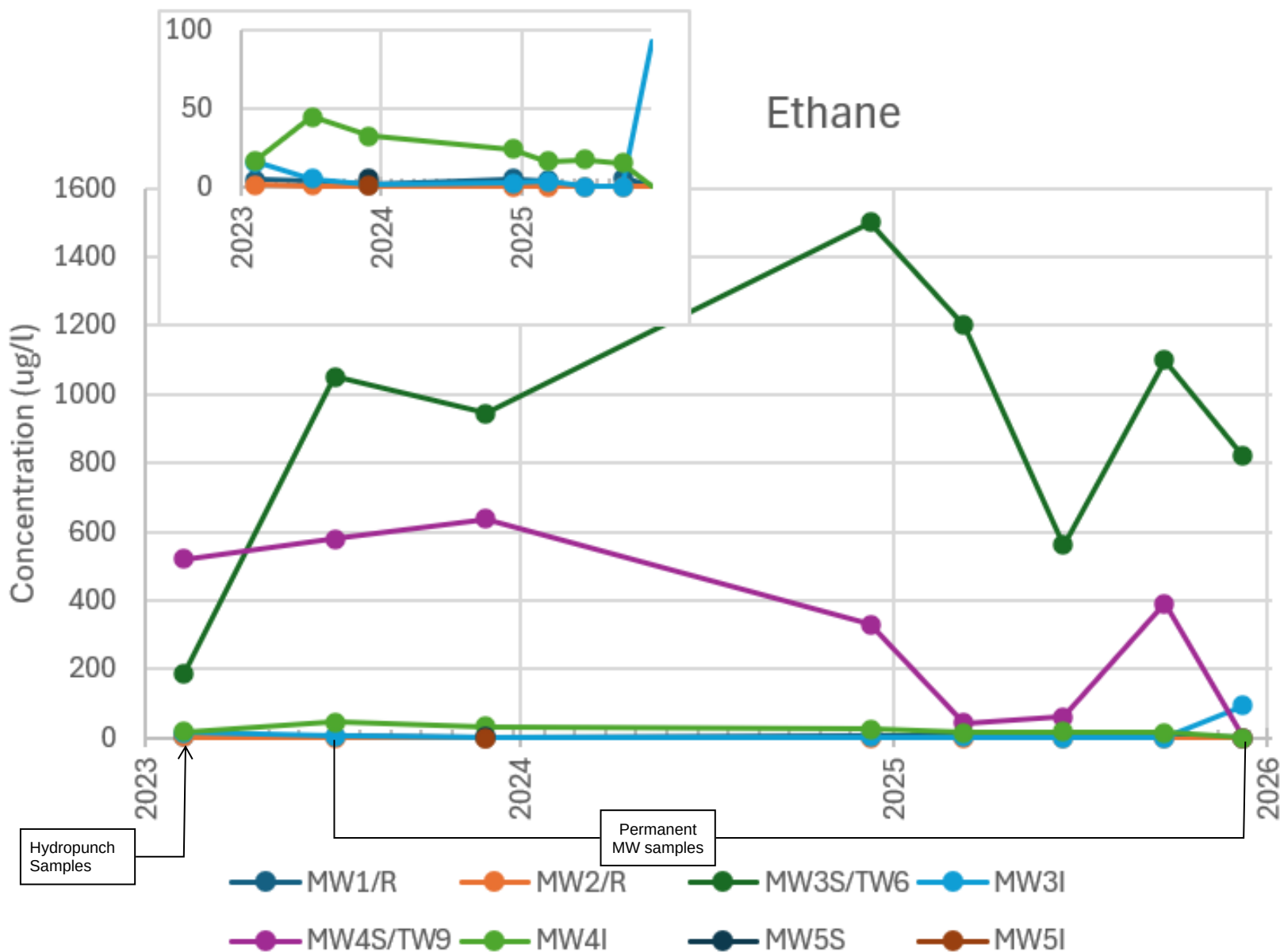
Methane



Samples collected in 2022 were taken from the prior monitoring wells MW1 and MW2 and temporary well points TW6 and TW9. A Hydropunch sampler was used to collect groundwater from temporary borings at the approximate locations of MW1R, MW2R, MW3S/I, and MW4S/I in February 2023 because permanent wells could not be installed at that time due to ongoing facility construction. These samples are designated with "_G" suffixes. One exception: samples from MW5S and MW5I in February 2023 were collected from permanent monitoring wells.

Permanent wells MW1R, MW2R, MW3S/I, and MW4S/I were installed at the approximate locations of former associated samples and, as such, data for these wells are presented together.

There was not a sample collected from MW1R in June 2025 due to the presence of NAPL.

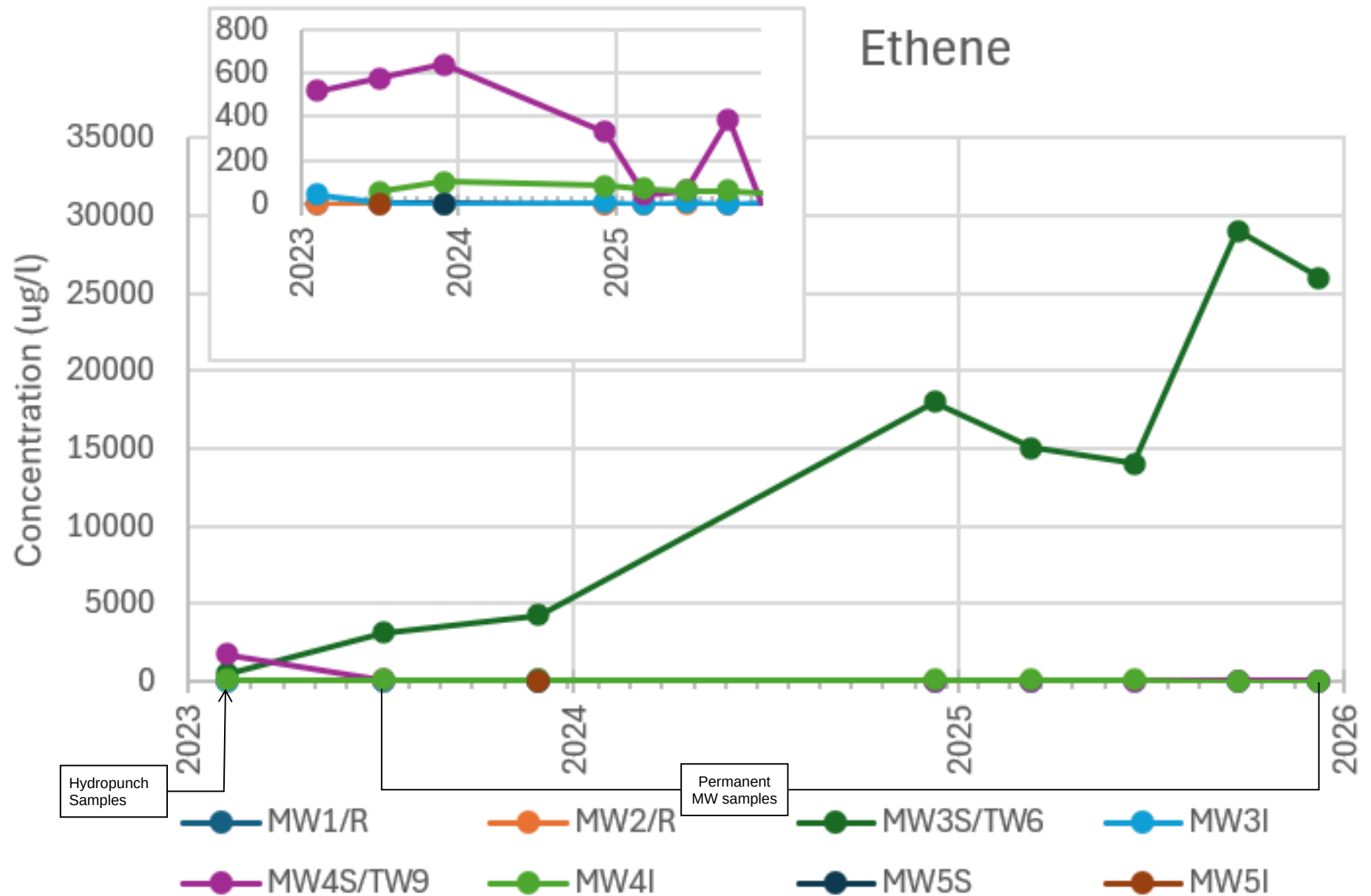


Samples collected in 2022 were taken from the prior monitoring wells MW1 and MW2 and temporary well points TW6 and TW9. A Hydropunch sampler was used to collect groundwater from temporary borings at the approximate locations of MW1R, MW2R, MW3S/I, and MW4S/I in February 2023 because permanent wells could not be installed at that time due to ongoing facility construction. These samples are designated with "G" suffixes. One exception: samples from MW5S and MW5I in February 2023 were collected from permanent monitoring wells.

Permanent wells MW1R, MW2R, MW3S/I, and MW4S/I were installed at the approximate locations of former associated samples and, as such, data for these wells are presented together.

There was not a sample collected from MW1R in June 2025 due to the presence of NAPL.

Ethene



Samples collected in 2022 were taken from the prior monitoring wells MW1 and MW2 and temporary well points TW6 and TW9. A Hydropunch sampler was used to collect groundwater from temporary borings at the approximate locations of MW1R, MW2R, MW3S/I, and MW4S/I in February 2023 because permanent wells could not be installed at that time due to ongoing facility construction. These samples are designated with "_G" suffixes. One exception: samples from MW5S and MW5I in February 2023 were collected from permanent monitoring wells.

Permanent wells MW1R, MW2R, MW3S/I, and MW4S/I were installed at the approximate locations of former associated samples and, as such, data for these wells are presented together.

There was not a sample collected from MW1R in June 2025 due to the presence of NAPL.