



## Groundwater Monitoring Report September 2025 Quarterly Monitoring Event

113 7<sup>th</sup> North Street Site  
113 7<sup>th</sup> North Street, Liverpool, New York  
Site No. C734152

**Submitted to:**

New York State Department of Environmental Conservation  
Division of Environmental Remediation  
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# 1. Background and Site Description

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## 1.1. Introduction

This report has been prepared on UniFirst Corporation’s (Applicant’s) behalf by GEI Consultants, Inc. (GEI) for the 113 7<sup>th</sup> 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 event conducted September 23 through 25, 2025. Monitoring was performed in accordance with the Interim Site Management Plan (ISMP; GEI, 2025c) that was submitted to the NYSDEC on September 30, 2025.<sup>1</sup>

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, 2025a&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 generally 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

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<sup>1</sup> 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.)

material (soil and 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

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Quarterly field monitoring was conducted in September 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 September 23, 2025, at 22 wells (i.e., the 19 wells that are part of the ISMP, plus three third-party wells installed near MW1R in May 2025).

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 (371.15 feet NAVD88). The lowest water table elevation measurement was in the northeastern-most monitoring well MW13S (366.89 feet NAVD88). The overall change in the elevation of the water table was 4.26 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 June 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 September 23 through September 25, 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 Buffalo, 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 September 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**

Three 55-gallon drums of purge water generated during low-flow groundwater sampling in June 2025 and September 2025 were removed from the Site on November 20, 2025. The transporter and transport vehicles were compliant with 6 NYCRR, Chapter IV, Part 364 and the waste was properly disposed of at a permitted facility. Waste documentation is included in Appendix A.

## 3. Analytical Results

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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 included in Appendix B. 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 C.

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 determine 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 September 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 September 2025 quarterly monitoring results.<sup>2</sup> CVOC concentration trend graphs are in Appendix D.

#### 3.1.1. September 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 September 2025 event. The total CVOC concentrations detected at these wells ranged from non-detect (several perimeter wells) to 280,000 µg/L (source area MW3S).

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

- Four wells in the vicinity of the PCE source area (MW2R, MW3S, MW4S and MW4I) exceeded AWQS for Site-related CVOCs. While above AWQS, concentrations of COCs in these wells have generally decreased relative to prior sampling events.
- 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.

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<sup>2</sup> 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 consistently been greater than the AWQS since November 2023 but has been relatively stable in MW7.
- Several non-Site-related VOCs (benzene, toluene, ethylbenzene, xylenes (BTEX), isopropylbenzene, and acetone) were detected above AWQS in MW5S an upgradient well along Luther Avenue. These VOCs have consistently been detected in MW5S and are likely associated with an unrelated source. Further details regarding BTEX concentrations in MW5S are discussed in Section 3.5.

### **3.1.2. Trend Discussion**

Trend monitoring graphs are in Appendix D-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 D-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. In general, CVOCs in the remaining source area/source adjacent wells<sup>3</sup> also continue to degrade.

The most downgradient well sampled as part of the quarterly program, MW12S, generally exhibits a stable trend for PCE and TCE, and a decreasing trend for cis-1,2-DCE and vinyl chloride (Appendix D-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, September 2025 CVOC concentrations are below AWQS. While vinyl chloride is above AWQS in MW7, it has been stable for the past four 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. (These wells were installed as part of the petroleum-related spill investigation at the Pilot property.) For these wells, no apparent trend can be discerned at this time because they have only been sampled

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<sup>3</sup> 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 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. A similar situation exists at MW3S and MW4S, except that the pre-remediation wells were temporary 1-inch well points (TW6 and TW9, respectively), not permanent wells like MW1 and MW2.

twice. Additional evaluation will be performed as more sampling events are conducted, which will help clarify any emerging trends, extent of the elevated CVOC contamination 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 September 2025 PFAS analyses are summarized in Table 3 and historical data is summarized in Table 4B. Figure 4B presents the historical analytical data for each monitoring well. 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 D.

### ***3.2.1. September 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 September 2025 event. Detected PFOA concentrations ranged from non-detect (MW3I, MW4I, MW5I) to 24 ng/L (MW4S). The detected PFOS concentrations ranged from non-detect (MW3I, MW4I, MW5I) to 20 ng/L (MW5S).

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

### ***3.2.2. Trend Discussion***

Trend monitoring graphs for PFOS, PFOA, and total PFAS concentrations are in Appendix D-2 for the sampled wells (MW3S/TW6, MW3I, MW4S, MW4I, MW5S, MW5I). These concentration ranges represent general stable or decreasing trends in PFOA and PFOS concentrations at these locations. Total PFAS concentrations have had generally decreasing trends in monitoring wells MW3S/I, MW4S/I, and MW5S, and a generally stable trend in MW5I.

Upgradient monitoring wells MW5S and MW5I contain PFAS likely attributable to an offsite source.

## **3.3. MNA Parameters**

The results of September 2025 MNA parameter analyses are summarized in Table 3 and historical data is summarized in Table 4C. 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 indicative of MNA and its effects on CVOC degradation. Trend graphs for MNA parameters are in Appendix D-3.

### **3.3.1. Iron**

When ZVI is injected, it readily oxidizes and releases  $\text{Fe}^{2+}$  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 September 2025, dissolved and total iron were present in all sampled wells, with highest concentrations in MW3S, as expected.<sup>4</sup> Post-injection concentrations of dissolved iron in MW3S increased throughout 2023, and appeared to have leveled off throughout 2024 and 2025.

While concentrations fluctuate, dissolved iron is consistently present in the five sampled wells, while total iron has decreased significantly 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.

### **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 was detected at concentrations lower than baseline in the three shallow monitoring wells sampled in September 2025, and generally consistent with baseline in the two intermediate wells. Overall, sulfate trends were decreasing (in all but MW4I) during the first few sampling events after injections, but concentrations have leveled out since 2023. Because the reduction in sulfate is indicative of anaerobic degradation, this leveling-off of concentrations may suggest that biological degradation through sulfate reduction is slowing.

### **3.3.3. Dissolved Gases**

Elevated concentrations of methane, as well as ethane and ethene, suggest that conditions are conducive to anaerobic degradation.<sup>5</sup> Methane was detected in most 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 2025. This suggests conditions that support reductive dechlorination persist, particularly in the source zone.

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<sup>4</sup> MW3S is (the only well) located within the source area injection zone and has displayed the greatest rates of CVOC degradation to date among sampled wells.

<sup>5</sup> 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.

### 3.4. QuantArray-Chlor Data

The results of the September 2025 QuantArray-Chlor analyses are included in Appendix C. 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.

DHC was detected at a range of concentrations in the four analyzed wells (MW3S, MW3I, MW4S, and MW4I). Consistent with prior quarterly sampling events, the highest DHC concentration was observed at MW3S, which is within the source injection zone, at 3,100,000 cells/mL. Concentrations at other wells were lower (MW3I at 480 cells/mL, MW4S at 100 cells/mL, and MW4I at 2,800 cells/mL). Concentrations above 10,000 cells/ml are generally indicative of increased biological degradation potential. The DHC concentration in MW3S increased by approximately 1,900,000 cells/mL between June 2025 and September 2025. Sustained high levels of DHC in MW3S are ideal for degradation of PCE and TCE in the source zone. The lower population densities of DHC in the other wells are consistent with results of other analyses that suggest degradation continues to occur outside the injection zone, but at a lower rate than within the source area.

### 3.5. BTEX Detections

BTEX and/or petroleum-related non-aqueous phase liquid (NAPL) persist in two wells (upgradient well MW5S and down/cross gradient well MW1R). However, there is no evidence that their presence is 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 quantities<sup>6</sup>.

#### 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 7<sup>th</sup> North Street. NYSDEC assigned NYSDEC Spill Number 2310035 and ultimately linked it to an existing Pilot spill (NYSDEC Spill Number 1511262).

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<sup>6</sup> 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.

Although Pilot had 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 September 2025).

Sovereign Consulting of Oxford Connecticut, on behalf of Pilot, installed five monitoring 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 7<sup>th</sup> North Street right-of-way (MW1D and MW1E). The remaining two (MW1A and MW1B) are on the adjacent 109 7<sup>th</sup> North Street property (Sposato Flooring Showroom). The five monitoring 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 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). Specific to the September 2025 event, approximately 4.75 gallons of NAPL and groundwater were purged from the well. 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 25 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 the June 2025 event. Slight fuel-like odor was observed in MW5S during the September 2025 event, and sheen was not observed. Total BTEX concentrations in MW5S have been slightly decreasing from February 2023 through September 2025.

## 4. Summary

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Quarterly field monitoring was conducted in September 2025, including gauging at 22 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 offsite source(s).

Analytical results indicate CVOC concentrations were detected above New York State AWQS in seven wells, mainly near the source area but most PCE concentrations are declining. Analytical results for MNA parameters and microbial populations support the declining trends finding, 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 MW1E<sup>7</sup> 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 the June and September 2025 events.

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<sup>7</sup> 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 for VOCs in June 2025 and again in September 2025.

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## **Tables**

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**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 Location | Screened Interval | Reference Elevation | Groundwater Measurements |           |
|---------------|-------------------|---------------------|--------------------------|-----------|
|               |                   |                     | 9/23/2025                |           |
|               |                   |                     | DTW                      | Elevation |
| MW1R          | 4 - 14            | 374.01              | 4.38                     | 369.63    |
| MW1C          | 2 - 12            | 374.51              | 4.94                     | 369.57    |
| MW1D          | 2 - 12            | 373.26              | 4.62                     | 368.64    |
| MW1E          | 2 - 12            | 373.10              | 4.99                     | 368.11    |
| MW2R          | 4 - 14            | 376.48              | 5.70                     | 370.78    |
| MW3S          | 4 - 14            | 376.35              | 5.20                     | 371.15    |
| MW3I          | 26 - 36           | 376.24              | 5.50                     | 370.74    |
| MW4S          | 4 - 14            | 376.45              | 5.50                     | 370.95    |
| MW4I          | 26 - 36           | 376.32              | 6.25                     | 370.07    |
| MW5S          | 5 - 15            | 374.66              | 3.60                     | 371.06    |
| MW5I          | 34 - 44           | 374.66              | 4.19                     | 370.47    |
| MW6           | 8 - 18            | 374.06              | 4.84                     | 369.22    |
| MW7           | 8 - 18            | 375.26              | 6.18                     | 369.08    |
| MW8           | 5 - 15            | 375.64              | 6.89                     | 368.75    |
| MW9S          | 5 - 15            | 374.10              | 3.08                     | 371.02    |
| MW9I          | 26 - 36           | 374.21              | 3.85                     | 370.36    |
| MW10          | 8 - 18            | 373.72              | 2.80                     | 370.92    |
| MW11          | 6 - 16            | 373.50              | 6.29                     | 367.21    |
| MW12S         | 5 - 15            | 371.91              | 4.90                     | 367.01    |
| MW12I         | 25 - 35           | 371.98              | 2.23                     | 369.75    |
| MW13S         | 5 - 15            | 372.71              | 5.82                     | 366.89    |
| MW13I         | 20 - 30           | 372.59              | 5.5                      | 367.09    |

Notes:

Screened interval reported in feet below top of well casing

DTW = depth to water (feet below measuring point)

Elevation = groundwater elevation in feet above mean sea level (NAVD83)

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

| Well ID            | Screened Interval<br>(ft bgs) | Water Level <sup>1</sup> | VOCs<br>(Method 8260)<br>Alpha | PFAS<br>(Method 1633)<br>Alpha | MNA Parameters<br>(Various Methods <sup>2</sup> )<br>Alpha | DHC Census<br>(qPCR)<br>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 <sup>4</sup>   | 8 - 18                        | X                        | X                              | --                             | --                                                         | --                                         |
| MW7                | 8 - 18                        | X                        | X                              | --                             | --                                                         | --                                         |
| MW8 <sup>4</sup>   | 5 - 15                        | X                        | X                              | --                             | --                                                         | --                                         |
| MW9S <sup>4</sup>  | 5 - 15                        | X                        | --                             | --                             | --                                                         | --                                         |
| MW9I <sup>4</sup>  | 26 - 36                       | X                        | --                             | --                             | --                                                         | --                                         |
| MW10 <sup>4</sup>  | 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 <sup>3</sup> | 2 - 12                        | X                        | X                              | --                             | --                                                         | --                                         |
| MW-1D <sup>3</sup> | 2 - 12                        | X                        | X                              | --                             | --                                                         | --                                         |
| MW-1E <sup>3</sup> | 2 - 12                        | X                        | X                              | --                             | --                                                         | --                                         |

**NOTES:**

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**

| Analyte                                           | Units | CAS No.    | AWQS   | Sample Name | MW1C      | MW1D      | MW1E      | MW1R      | MW2R      | MW3S      | MW3I      | MW4S      | MW4I      | MW5S      | MW5I      | MW6       | MW7       | MW8       | MW11      | MW12S     |           |           |   |     |   |     |   |     |   |     |   |     |   |     |   |
|---------------------------------------------------|-------|------------|--------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|
|                                                   |       |            |        | Sample Date | 9/25/2025 | 9/25/2025 | 9/25/2025 | 9/24/2025 | 9/24/2025 | 9/24/2025 | 9/24/2025 | 9/24/2025 | 9/24/2025 | 9/24/2025 | 9/24/2025 | 9/24/2025 | 9/23/2025 | 9/23/2025 | 9/24/2025 | 9/24/2025 | 9/24/2025 | 9/24/2025 |   |     |   |     |   |     |   |     |   |     |   |     |   |
| <b>Volatile Organic Compounds</b>                 |       |            |        |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |   |     |   |     |   |     |   |     |   |     |   |     |   |
| Acetone                                           | ug/L  | 67-64-1    | 50*    | 5.6         | J         | 200       | U         | 1000      | U         | 50        | U         | 10        | U         | 20,000    | U         | 10        | U         | 20,000    | U         | 400       | U         | 86        | J | 10  | U | 10  | U | 10  | U | 3.5 | J | 10  | U | 10  | U |
| Benzene                                           |       | 71-43-2    | 1      | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 18        | J | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| Bromodichloromethane                              |       | 75-27-4    | 50*    | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| Bromoform                                         |       | 75-25-2    | 50*    | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| Bromomethane                                      |       | 74-83-9    | 5      | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| Carbon disulfide                                  |       | 75-15-0    | 60*    | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| Carbon tetrachloride                              |       | 56-23-5    | 5      | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| Chlorobenzene                                     |       | 108-90-7   | 5      | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| Chloroethane                                      |       | 75-00-3    | 5      | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| Chloroform (Trichloromethane)                     |       | 67-66-3    | 7      | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| Chloromethane                                     |       | 74-87-3    | 5      | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| Cyclohexane                                       |       | 110-82-7   | NE     | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 370       | J | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| 1,2-Dibromo-3-chloropropane                       |       | 96-12-8    | 0.04   | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| Dibromochloromethane                              |       | 124-48-1   | 50*    | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| 1,2-Dibromoethane (EDB)                           |       | 106-93-4   | 0.0006 | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| 1,2-Dichlorobenzene (o-DCB)                       |       | 95-50-1    | 3      | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| 1,3-Dichlorobenzene (m-DCB)                       |       | 541-73-1   | 3      | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| 1,4-Dichlorobenzene (p-DCB)                       |       | 106-46-7   | 3      | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| Dichlorodifluoromethane (Freon 12)                |       | 75-71-8    | 5      | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| 1,1-Dichloroethane                                |       | 75-34-3    | 5      | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| 1,2-Dichloroethane                                |       | 107-06-2   | 0.6    | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| 1,1-Dichloroethene                                |       | 75-35-4    | 5      | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 36        | J         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| cis-1,2-Dichloroethene                            |       | 156-59-2   | 5      | 1           | U         | 990       | J         | 2,900     | J         | 5         | U         | 39        | J         | 160,000   | J         | 2.9       | J         | 8,100     | J         | 3,800     | F1        | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 2.3 | J |
| trans-1,2-Dichloroethene                          |       | 156-60-5   | 5      | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1.7       | J         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| 1,2-Dichloropropane                               |       | 78-87-5    | 1      | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| cis-1,3-Dichloropropene                           |       | 10061-01-5 | 0.4    | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| trans-1,3-Dichloropropene                         |       | 10061-02-6 | 0.4    | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| Ethylbenzene                                      |       | 100-41-4   | 5      | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 260       | J | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| 2-Hexanone                                        |       | 591-78-6   | 50*    | 5           | U         | 100       | U         | 500       | U         | 25        | U         | 5         | U         | 10,000    | U         | 5         | U         | 10,000    | U         | 200       | U         | 50        | U | 5   | U | 5   | U | 5   | U | 5   | U | 5   | U | 5   | U |
| Isopropylbenzene                                  |       | 98-82-8    | 5      | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 110       | J | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| Methyl acetate                                    |       | 79-20-9    | NE     | 2.5         | U         | 50        | U         | 250       | U         | 13        | U         | 2.5       | U         | 5,000     | U         | 2.5       | U         | 5,000     | U         | 100       | U         | 25        | U | 2.5 | U | 2.5 | U | 2.5 | U | 2.5 | U | 2.5 | U | 2.5 | U |
| Methyl ethyl ketone (2-Butanone)                  |       | 78-93-3    | 50*    | 10          | U         | 200       | U         | 1000      | U         | 50        | U         | 10        | U         | 20,000    | U         | 10        | U         | 20,000    | U         | 400       | U         | 34        | J | 10  | U | 10  | U | 10  | U | 10  | U | 10  | U | 10  | U |
| Methyl tert-butyl ether (MTBE)                    |       | 1634-04-4  | 10*    | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| 4-Methyl-2-pentanone (MIBK)                       |       | 108-10-1   | NE     | 5           | U         | 100       | U         | 500       | U         | 25        | U         | 5         | U         | 10,000    | U         | 5         | U         | 10,000    | U         | 200       | U         | 50        | U | 5   | U | 5   | U | 5   | U | 5   | U | 5   | U | 5   | U |
| Methylcyclohexane                                 |       | 108-87-2   | NE     | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 150       | J | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| Methylene chloride                                |       | 75-09-2    | 5      | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| Styrene                                           |       | 100-42-5   | 5      | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| 1,1,2,2-Tetrachloroethane                         |       | 79-34-5    | 5      | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| Tetrachloroethene (PCE)                           |       | 127-18-4   | 5      | 1           | U         | 540       | J         | 3,600     | J         | 5         | U         | 6.7       | J         | 2,000     | U         | 1         | U         | 85,000    | J         | 20        | J         | 10        | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| Toluene                                           |       | 108-88-3   | 5      | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 6.4       | J | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U | 1   | U |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) |       | 76-13-1    | 5      | 1           | U         | 20        | U         | 100       | U         | 5         | U         | 1         | U         | 2,000     | U         | 1         | U         | 2,000     | U         | 40        | U         | 10        |   |     |   |     |   |     |   |     |   |     |   |     |   |

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

| Analyte                                                           | Units | CAS No.     | AWQS   | Sample Name |           | MW1C      | MW1D      | MW1E      | MW1R      | MW2R      | MW3S      | MW3I      | MW4S      | MW4I      | MW5S      | MW5I      | MW6       | MW7       | MW8       | MW11      | MW12S     |           |
|-------------------------------------------------------------------|-------|-------------|--------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                                                                   |       |             |        | Sample Date | 9/25/2025 | 9/25/2025 | 9/25/2025 | 9/24/2025 | 9/24/2025 | 9/24/2025 | 9/24/2025 | 9/24/2025 | 9/24/2025 | 9/24/2025 | 9/24/2025 | 9/24/2025 | 9/23/2025 | 9/23/2025 | 9/24/2025 | 9/24/2025 | 9/24/2025 | 9/24/2025 |
| PFAS                                                              | ng/L  |             |        |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) |       | 763051-92-9 | NE     | --          | --        | --        | --        | --        | --        | --        | 1.7 U     | 1.6 U     | 1.5 U     | 1.5 U     | 1.8 U     | 1.6 U     | --        | --        | --        | --        | --        | --        |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)                      |       | 914637-49-3 | NE     | --          | --        | --        | --        | --        | --        | --        | 8.3 U     | 7.8 U     | 7.7 U     | 7.6 U     | 8.8 U     | 8.2 U     | --        | --        | --        | --        | --        | --        |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA)                        |       | 812-70-4    | NE     | --          | --        | --        | --        | --        | --        | --        | 8.3 U     | 7.8 U     | 7.7 U     | 7.6 U     | 8.8 U     | 8.2 U     | --        | --        | --        | --        | --        | --        |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA)                        |       | 356-02-5    | NE     | --          | --        | --        | --        | --        | --        | --        | 3.3 U     | 3.1 U     | 3.1 U     | 3 U       | 3.5 U     | 3.3 U     | --        | --        | --        | --        | --        | --        |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA)                       |       | 919005-14-4 | NE     | --          | --        | --        | --        | --        | --        | --        | 1.7 U     | 1.6 U     | 1.5 U     | 1.5 U     | 1.8 U     | 1.6 U     | --        | --        | --        | --        | --        | --        |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)   |       | 756426-58-1 | NE     | --          | --        | --        | --        | --        | --        | --        | 1.7 U     | 1.6 U     | 1.5 U     | 1.5 U     | 1.8 U     | 1.6 U     | --        | --        | --        | --        | --        | --        |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)                     |       | 4151-50-2   | NE     | --          | --        | --        | --        | --        | --        | --        | 1.7 U     | 1.6 U     | 1.5 U     | 1.5 U     | 1.8 U     | 1.6 U     | --        | --        | --        | --        | --        | --        |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)              |       | 1691-99-2   | NE     | --          | --        | --        | --        | --        | --        | --        | 8.2 U     | 7.8 U     | 7.7 U     | 7.6 U     | 8.8 U     | 8.2 U     | --        | --        | --        | --        | --        | --        |
| N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)          |       | 2991-50-6   | NE     | --          | --        | --        | --        | --        | --        | --        | 1.7 U     | 1.6 U     | 1.5 U     | 1.5 U     | 1.8 U     | 1.6 U     | --        | --        | --        | --        | --        | --        |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)                    |       | 31506-32-8  | NE     | --          | --        | --        | --        | --        | --        | --        | 1.7 U     | 1.6 U     | 1.5 U     | 1.5 U     | 1.8 U     | 1.6 U     | --        | --        | --        | --        | --        | --        |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)             |       | 24448-09-7  | NE     | --          | --        | --        | --        | --        | --        | --        | 8.2 U     | 7.8 U     | 7.7 U     | 7.6 U     | 8.8 U     | 8.2 U     | --        | --        | --        | --        | --        | --        |
| N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)         |       | 2355-31-9   | NE     | --          | --        | --        | --        | --        | --        | --        | 1.7 U     | 1.6 U     | 1.5 U     | 1.5 U     | 1.8 U     | 1.6 U     | --        | --        | --        | --        | --        | --        |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)                        |       | 151772-58-6 | NE     | --          | --        | --        | --        | --        | --        | --        | 1.7 U     | 1.6 U     | 1.5 U     | 1.5 U     | 1.8 U     | 1.6 U     | --        | --        | --        | --        | --        | --        |
| Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)                   |       | 113507-82-7 | NE     | --          | --        | --        | --        | --        | --        | --        | 1.7 U     | 1.6 U     | 1.5 U     | 1.5 U     | 1.8 U     | 1.6 U     | --        | --        | --        | --        | --        | --        |
| Perfluoro(2-Propoxypropanoic) Acid                                |       | 13252-13-6  | NE     | --          | --        | --        | --        | --        | --        | --        | 1.7 U     | 1.6 U     | 1.5 U     | 1.5 U     | 1.8 U     | 1.6 U     | --        | --        | --        | --        | --        | --        |
| Perfluoro-3-methoxypropanoic acid (PFMPA)                         |       | 377-73-1    | NE     | --          | --        | --        | --        | --        | --        | --        | 1.7 U     | 1.6 U     | 1.5 U     | 1.5 U     | 1.8 U     | 1.6 U     | --        | --        | --        | --        | --        | --        |
| Perfluoro-4-methoxybutanoic acid (PFMBA)                          |       | 863090-89-5 | NE     | --          | --        | --        | --        | --        | --        | --        | 1.7 U     | 1.6 U     | 1.5 U     | 1.5 U     | 1.8 U     | 1.6 U     | --        | --        | --        | --        | --        | --        |
| Perfluorobutanesulfonic acid (PFBS)                               |       | 375-73-5    | NE     | --          | --        | --        | --        | --        | --        | --        | 4.5       | 1.6 U     | 4.4       | 1.5 U     | 0.85 J    | 1.6 U     | --        | --        | --        | --        | --        | --        |
| Perfluorobutanoic acid (PFBA)                                     |       | 375-22-4    | NE     | --          | --        | --        | --        | --        | --        | --        | 5.1       | 0.97 J    | 12        | 1.1 J     | 9.1       | 1.7 J     | --        | --        | --        | --        | --        | --        |
| Perfluorodecanesulfonic acid (PFDS)                               |       | 335-77-3    | NE     | --          | --        | --        | --        | --        | --        | --        | 1.7 U     | 1.6 U     | 1.5 U     | 1.5 U     | 1.8 U     | 1.6 U     | --        | --        | --        | --        | --        | --        |
| Perfluorodecanoic acid (PFDA)                                     |       | 335-76-2    | NE     | --          | --        | --        | --        | --        | --        | --        | 1.7 U     | 1.6 U     | 1.5 U     | 1.5 U     | 1.8 U     | 1.6 U     | --        | --        | --        | --        | --        | --        |
| Perfluorododecanesulfonic acid (PFDoS)                            |       | 79780-39-5  | NE     | --          | --        | --        | --        | --        | --        | --        | 1.7 U     | 1.6 U     | 1.5 U     | 1.5 U     | 1.8 U     | 1.6 U     | --        | --        | --        | --        | --        | --        |
| Perfluorododecanoic acid (PFDoA)                                  |       | 307-55-1    | NE     | --          | --        | --        | --        | --        | --        | --        | 1.7 U     | 1.6 U     | 1.5 U     | 1.5 U     | 1.8 U     | 1.6 U     | --        | --        | --        | --        | --        | --        |
| Perfluoroheptanesulfonic acid (PFHpS)                             |       | 375-92-8    | NE     | --          | --        | --        | --        | --        | --        | --        | 1.7 U     | 1.6 U     | 1.5 U     | 1.5 U     | 1.8 U     | 1.6 U     | --        | --        | --        | --        | --        | --        |
| Perfluoroheptanoic acid (PFHpA)                                   |       | 375-85-9    | NE     | --          | --        | --        | --        | --        | --        | --        | 5.7       | 1.6 U     | 11        | 1.5 U     | 2.6       | 1.5 J     | --        | --        | --        | --        | --        | --        |
| Perfluorohexanoic acid (PFHxA)                                    |       | 307-24-4    | NE     | --          | --        | --        | --        | --        | --        | --        | 12        | 1.6 U     | 18        | 1.5 U     | 5         | 4.4       | --        | --        | --        | --        | --        | --        |
| Perfluorononanesulfonic Acid (PfnS)                               |       | 68259-12-1  | NE     | --          | --        | --        | --        | --        | --        | --        | 1.7 U     | 1.6 U     | 1.5 U     | 1.5 U     | 1.8 U     | 1.6 U     | --        | --        | --        | --        | --        | --        |
| Perfluorooctanesulfonamide (FOSA)                                 |       | 754-91-6    | NE     | --          | --        | --        | --        | --        | --        | --        | 1.7 U     | 1.6 U     | 1.5 U     | 1.5 U     | 0.48 J    | 1.6 U     | --        | --        | --        | --        | --        | --        |
| Perfluoropentanesulfonic Acid (Pfpes)                             |       | 2706-91-4   | NE     | --          | --        | --        | --        | --        | --        | --        | 1.7       | 1.6 U     | 0.8 J     | 1.5 U     | 1.8 U     | 1.6 U     | --        | --        | --        | --        | --        | --        |
| Perfluoropentanoic Acid (PFPeA)                                   |       | 2706-90-3   | NE     | --          | --        | --        | --        | --        | --        | --        | 7.3       | 1.6 U     | 25        | 1.5 U     | 8.1       | 4.9       | --        | --        | --        | --        | --        | --        |
| Perfluorotetradecanoic acid (PFTA/PFTeDA)                         |       | 376-06-7    | NE     | --          | --        | --        | --        | --        | --        | --        | 1.6 U     | 1.6 U     | 1.5 U     | 1.5 U     | 1.8 U     | 1.6 U     | --        | --        | --        | --        | --        | --        |
| Perfluorotridecanoic acid (PFTriA/PFTTrDA)                        |       | 72629-94-8  | NE     | --          | --        | --        | --        | --        | --        | --        | 1.6 U     | 1.6 U     | 1.5 U     | 1.5 U     | 1.8 U     | 1.6 U     | --        | --        | --        | --        | --        | --        |
| Perfluoroundecanoic acid (PFUnA)                                  |       | 2058-94-8   | NE     | --          | --        | --        | --        | --        | --        | --        | 1.7 U     | 1.6 U     | 1.5 U     | 1.5 U     | 1.8 U     | 1.6 U     | --        | --        | --        | --        | --        | --        |
| Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)                |       | 39108-34-4  | NE     | --          | --        | --        | --        | --        | --        | --        | 3.3 U     | 3.1 U     | 3.1 U     | 3 U       | 3.5 U     | 3.3 U     | --        | --        | --        | --        | --        | --        |
| Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)                |       | 757124-72-4 | NE     | --          | --        | --        | --        | --        | --        | --        | 3.3 U     | 3.1 U     | 3.1 U     | 3 U       | 3.5 U     | 3.3 U     | --        | --        | --        | --        | --        | --        |
| Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)                |       | 27619-97-2  | NE     | --          | --        | --        | --        | --        | --        | --        | 3.3 U     | 3.1 U     | 3.1 U     | 3 U       | 3.5 U     | 39        | --        | --        | --        | --        | --        | --        |
| Perfluorohexanesulfonic acid (PFHxS)                              |       | 355-46-4    | NE     | --          | --        | --        | --        | --        | --        | --        | 3.4       | 1.6 U     | 3.7       | 1.5 U     | 1.4 J     | 1.1 J     | --        | --        | --        | --        | --        | --        |
| Perfluorononanoic Acid (PFNA)                                     |       | 375-95-1    | NE     | --          | --        | --        | --        | --        | --        | --        | 1.7 U     | 1.6 U     | 4.1       | 1.5 U     | 1.8 U     | 1.6 U     | --        | --        | --        | --        | --        | --        |
| Perfluorooctanesulfonic acid (PFOS)                               |       | 1763-23-1   | 2.7    | --          | --        | --        | --        | --        | --        | --        | 6.6 I     | 1.6 U     | 17        | 1.5 U     | 20        | 1.6 U     | --        | --        | --        | --        | --        | --        |
| Perfluorooctanoic Acid (PFOA)                                     |       | 335-67-1    | 6.7    | --          | --        | --        | --        | --        | --        | --        | 15        | 1.6 U     | 24        | 1.5 U     | 14        | 1.6 U     | --        | --        | --        | --        | --        | --        |
| <b>Monitored Natural Attenuation Parameters</b>                   | ug/L  |             |        |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Ethane                                                            |       | 74-84-0     | NE     | --          | --        | --        | 5.2 J     | 7.5 U     | 1,100     | 7.5 U     | 390       | 15        | --        | --        | --        | --        | --        | --        | --        | --        | --        | --        |
| Ethene                                                            |       | 74-85-1     | NE     | --          | --        | --        | 7 U       | 7 U       | 29,000    | 7 U       | 13        | 54        | --        | --        | --        | --        | --        | --        | --        | --        | --        | --        |
| Methane                                                           |       | 74-82-8     | NE     | --          | --        | --        | 1,800     | 890       | 6,800     | 140       | 4,600     | 1,400     | --        | --        | --        | --        | --        | --        | --        | --        | --        | --        |
| Sulfate                                                           |       | 14808-79-8  | 250000 | --          | --        | --        | 30,600    | 27,100    | 25,000    | 79,900    | 131,000   | 128,000   | --        | --        | --        | --        | --        | --        | --        | --        | --        | --        |
| Iron, Dissolved                                                   |       | 7439-89-6   | 300    | --          | --        | --        | 210       | 1,200     | 88,000    | 1000      | 81        | 1,300     | --        | --        | --        | --        | --        | --        | --        | --        | --        | --        |
| Iron, Total                                                       |       | 7439-89-6   | 300    | --          | --        | --        | 610       | 1000      | 91,600    | 1,100     | 1,500     | 1,200     | --        | --        | --        | --        | --        | --        | --        | --        | --        | --        |

### 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 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:

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 | CAS No.     | Sample Name<br>Sample Date<br>NYS AWQS | MW1       | MW1       | MW1       | MW1        | MW1       | MW1_G    | MW1R     | MW1R       | MW1R       | MW1R      | MW1R      |    |       |    |      |   |       |   |       |   |     |   |
|---------------------------------------------------|-------|-------------|----------------------------------------|-----------|-----------|-----------|------------|-----------|----------|----------|------------|------------|-----------|-----------|----|-------|----|------|---|-------|---|-------|---|-----|---|
|                                                   |       |             |                                        | 5/28/2020 | 3/21/2021 | 7/10/2021 | 11/22/2021 | 2/28/2022 | 2/7/2023 | 7/6/2023 | 11/30/2023 | 12/11/2024 | 3/12/2025 | 9/24/2025 |    |       |    |      |   |       |   |       |   |     |   |
| <b>Volatile Organic Compounds</b>                 | ug/L  |             |                                        |           |           |           |            |           |          |          |            |            |           |           |    |       |    |      |   |       |   |       |   |     |   |
| Acetone                                           |       | 67-64-1     | 50*                                    | 36        | J         | 5         | U          | 5         | U        | 5        | UJ         | 5          | U         | 5         | U  | 2.5   | J  | 25   | U | 50    | U |       |   |     |   |
| Benzene                                           |       | 71-43-2     | 1                                      | 5         | U         | 0.5       | U          | 0.5       | U        | 0.5      | U          | 0.18       | J         | 0.5       | U  | 0.62  | U  | 0.5  | U | 2.5   | U | 5     | U |     |   |
| Bromochloromethane                                |       | 74-97-5     | 5                                      | 25        | U         | 2.5       | U          | 2.5       | U        | 2.5      | U          | 2.5        | U         | 2.5       | U  | 2.5   | U  | 2.5  | U | 12    | U | --    |   |     |   |
| Bromodichloromethane                              |       | 75-27-4     | 50*                                    | 5         | U         | 0.5       | U          | 0.5       | U        | 0.5      | U          | 0.5        | U         | 0.5       | U  | 0.5   | U  | 0.5  | U | 2.5   | U | 5     | U |     |   |
| Bromoform                                         |       | 75-25-2     | 50*                                    | 20        | U         | 2         | U          | 2         | U        | 2        | U          | 2          | U         | 2         | UJ | 2     | U  | 2    | U | 10    | U | 5     | U |     |   |
| Bromomethane                                      |       | 74-83-9     | 5                                      | 25        | U         | 2.5       | UJ         | 2.5       | UJ       | 2.5      | U          | 2.5        | UJ        | 2.5       | U  | 2.5   | U  | 2.5  | U | 12    | U | 5     | U |     |   |
| Carbon disulfide                                  |       | 75-15-0     | 60*                                    | 50        | U         | 5         | U          | 5         | U        | 5        | U          | 5          | UJ        | 5         | U  | 5     | U  | 5    | U | 25    | U | 5     | U |     |   |
| Carbon tetrachloride                              |       | 56-23-5     | 5                                      | 5         | U         | 0.5       | U          | 0.5       | U        | 0.5      | U          | 0.5        | U         | 0.5       | U  | 0.5   | U  | 0.5  | U | 2.5   | U | 5     | U |     |   |
| Chlorobenzene                                     |       | 108-90-7    | 5                                      | 25        | U         | 2.5       | U          | 2.5       | U        | 2.5      | U          | 2.5        | U         | 2.5       | U  | 2.5   | U  | 2.5  | U | 12    | U | 5     | U |     |   |
| Chloroethane                                      |       | 75-00-3     | 5                                      | 25        | UJ        | 2.5       | UJ         | 2.5       | UJ       | 2.5      | U          | 2.5        | U         | 2.5       | U  | 2.5   | U  | 2.5  | U | 12    | U | 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  | 2.5   | U  | 2.5  | U | 12    | U | 5     | U |     |   |
| Chloromethane                                     |       | 74-87-3     | 5                                      | 25        | U         | 2.5       | U          | 2.5       | U        | 2.5      | U          | 2.5        | U         | 2.5       | UJ | 2.5   | U  | 2.5  | U | 12    | U | 5     | U |     |   |
| Cyclohexane                                       |       | 110-82-7    | NE                                     | 100       | U         | 10        | U          | 10        | U        | 10       | UJ         | 10         | U         | 10        | U  | 10    | U  | 10   | U | 50    | U | 5     | 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  | 2.5   | U  | 2.5  | U | 12    | U | 5     | U |     |   |
| Dibromochloromethane                              |       | 124-48-1    | 50*                                    | 5         | U         | 0.5       | U          | 0.5       | U        | 0.5      | U          | 0.5        | U         | 0.5       | UJ | 0.5   | U  | 0.5  | U | 2.5   | U | 5     | U |     |   |
| 1,2-Dibromoethane (EDB)                           |       | 106-93-4    | 0.0006                                 | 20        | U         | 2         | U          | 2         | U        | 2        | U          | 2          | U         | 2         | U  | 2     | U  | 2    | U | 10    | U | 5     | 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  | 2.5   | U  | 2.5  | U | 12    | U | 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  | 2.5   | U  | 2.5  | U | 12    | U | 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  | 2.5   | U  | 2.5  | U | 12    | U | 5     | U |     |   |
| Dichlorodifluoromethane (Freon 12)                |       | 75-71-8     | 5                                      | 50        | U         | 5         | U          | 5         | UJ       | 5        | U          | 5          | U         | 5         | U  | 5     | U  | 5    | U | 25    | 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  | 2.5   | U  | 2.5  | U | 12    | U | 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  | 0.5   | U  | 0.5  | U | 2.5   | U | 5     | U |     |   |
| 1,1-Dichloroethene                                |       | 75-35-4     | 5                                      | 5         | U         | 0.5       | U          | 0.5       | U        | 0.5      | U          | 0.5        | U         | 0.18      | J  | 0.5   | U  | 0.5  | U | 2.5   | U | 5     | U |     |   |
| cis-1,2-Dichloroethene                            |       | 156-59-2    | 5                                      | 80        | U         | 17        | U          | 20        | U        | 29       | U          | 24         | J         | 37        | U  | 130   | U  | 14   | U | 0.78  | J | 12    | U | 5   | U |
| trans-1,2-Dichloroethene                          |       | 156-60-5    | 5                                      | 25        | U         | 2.5       | U          | 2.5       | U        | 2.5      | U          | 2.5        | U         | 0.71      | J  | 2.5   | U  | 2.5  | U | 12    | U | 5     | U |     |   |
| 1,2-Dichloropropane                               |       | 78-87-5     | 1                                      | 10        | U         | 1         | U          | 1         | U        | 1        | U          | 1          | U         | 1         | U  | 1     | U  | 1    | U | 5     | U | 5     | 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  | 0.5   | U  | 0.5  | U | 2.5   | U | 5     | U |     |   |
| trans-1,3-Dichloropropene                         |       | 10061-02-6  | 0.4                                    | 5         | U         | 0.5       | U          | 0.5       | U        | 0.5      | U          | 0.5        | UJ        | 0.5       | U  | 0.5   | U  | 0.5  | U | 2.5   | U | 5     | U |     |   |
| 1,4-Dioxane                                       |       | 123-91-1    | NE                                     | 2,500     | UJ        | 250       | UJ         | 250       | U        | 250      | U          | 250        | U         | 250       | U  | 250   | U  | 250  | U | 1,200 | U | --    |   |     |   |
| Ethylbenzene                                      |       | 100-41-4    | 5                                      | 25        | U         | 2.5       | U          | 2.5       | U        | 2.5      | U          | 2.5        | U         | 2.5       | U  | 15    | U  | 14   | U | 7.2   | J | 5     | U |     |   |
| 2-Hexanone                                        |       | 591-78-6    | 50*                                    | 50        | U         | 5         | U          | 5         | U        | 5        | U          | 5          | U         | 5         | U  | 5     | U  | 5    | U | 25    | U | 25    | U |     |   |
| Isopropylbenzene                                  |       | 98-82-8     | 5                                      | 25        | U         | 2.5       | U          | 2.5       | U        | 2.5      | U          | 2.5        | U         | 2.5       | U  | 3.2   | U  | 5.4  | U | 12    | U | 5     | U |     |   |
| Methyl acetate                                    |       | 79-20-9     | NE                                     | 20        | U         | 2         | UJ         | 2         | U        | 2        | U          | 2          | U         | 2         | U  | 2     | UJ | 2    | U | 10    | U | 13    | U |     |   |
| Methyl ethyl ketone (2-Butanone)                  |       | 78-93-3     | 50*                                    | 50        | U         | 5         | U          | 5         | U        | 5        | U          | 5          | U         | 5         | U  | 5     | U  | 5    | U | 25    | U | 50    | 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  | 2.5   | U  | 2.5  | U | 12    | U | 5     | U |     |   |
| 4-Methyl-2-pentanone (MIBK)                       |       | 108-10-1    | NE                                     | 50        | U         | 5         | U          | 5         | U        | 5        | U          | 5          | U         | 5         | U  | 5     | UJ | 5    | U | 25    | U | 25    | U |     |   |
| Methylcyclohexane                                 |       | 108-87-2    | NE                                     | 100       | U         | 10        | U          | 10        | U        | 10       | U          | 10         | U         | 0.41      | J  | 0.57  | J  | 0.58 | J | 50    | U | 5     | U |     |   |
| Methylene chloride                                |       | 75-09-2     | 5                                      | 25        | U         | 2.5       | U          | 2.5       | U        | 2.5      | U          | 2.5        | U         | 2.5       | U  | 2.5   | U  | 2.5  | U | 12    | U | 5     | U |     |   |
| Styrene                                           |       | 100-42-5    | 5                                      | 25        | U         | 2.5       | U          | 2.5       | U        | 2.5      | U          | 2.5        | U         | 2.5       | U  | 2.5   | U  | 2.5  | U | 12    | U | 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  | 0.5   | U  | 0.5  | U | 2.5   | U | 5     | U |     |   |
| Tetrachloroethene (PCE)                           |       | 127-18-4    | 5                                      | 1,400     | U         | 29        | U          | 8.7       | U        | 22       | U          | 25         | U         | 52        | U  | 91    | U  | 0.5  | U | 0.5   | U | 1.5   | J | 5   | U |
| Tetrahydrofuran                                   |       | 109-99-9    | 50*                                    | --        |           | --        |            | --        |          | --       |            | --         |           | --        |    | 5     | U  | --   |   | --    |   | --    |   |     |   |
| Toluene                                           |       | 108-88-3    | 5                                      | 25        | U         | 2.5       | U          | 2.5       | U        | 2.5      | U          | 2.5        | U         | 2.5       | U  | 2.5   | U  | 2.5  | U | 12    | U | 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  | 2.5   | U  | 2.5  | U | 12    | U | 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  | 2.5   | U  | 2.5  | U | 12    | 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  | 2.5   | U  | 2.5  | U | 12    | U | 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  | 2.5   | U  | 2.5  | U | 12    | U | 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  | 1.5   | U  | 1.5  | U | 7.5   | U | 5     | U |     |   |
| Trichloroethene (TCE)                             |       | 79-01-6     | 5                                      | 100       | U         | 3.8       | U          | 1.9       | U        | 3.7      | U          | 4          | J         | 8.7       | U  | 27    | U  | 0.29 | J | 0.5   | U | 2.5   | U | 5   | U |
| Trichlorofluoromethane (Freon 11)                 |       | 75-69-4     | 5                                      | 25        | U         | 2.5       | U          | 2.5       | U        | 2.5      | U          | 2.5        | U         | 2.5       | U  | 2.5   | U  | 2.5  | U | 12    | U | 5     | U |     |   |
| Vinyl chloride                                    |       | 75-01-4     | 2                                      | 3.7       | J         | 0.73      | J          | 1.4       | J        | 2        | J          | 2          | U         | 54        | U  | 14    | U  | 0.57 | J | 0.61  | J | 5     | U |     |   |
| o-Xylene                                          |       | 95-47-6     | 5                                      | 25        | U         | 2.5       | U          | 2.5       | U        | 2.5      | U          | 2.5        | U         | 2.5       | U  | 0.92  | J  | 35   | U | 13    | 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  | 2.5   | U  | 13   | U | 12    | U | --    |   |     |   |
| Total Xylene                                      |       |             |                                        | 25        | U         | 2.5       | U          | 2.5       | U        | 2.5      | U          | 2.5        | U         | 2.5       | U  | 0.92  | J  | 48   | U | 13    | U | 5.1   | J |     |   |
| Total VOCs                                        |       | --          | NE                                     | 1,619.70  | J         | 50.53     | J          | 32        | J        | 56.7     | J          | 55         | J         | 99.88     | J  | 303.3 | J  | 48.6 | J | 71.83 | J | 22.31 | J | 5.1 | J |

**Table 4A. Historical Groundwater VOC Analysis Results**  
**UniFirst Corporation**  
**Liverpool, NY**  
**BCP Site No. 734152**

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

**Table 4A. Historical Groundwater VOC Analysis Results**  
 UniFirst Corporation  
 Liverpool, NY  
 BCP Site No. 734152

| Analyte                                           | Units | CAS No.     | Sample Name<br>Sample Date<br>NYS AWQS | MW2       | MW2       | MW2 (DUP) | MW2       | MW2        | MW2       | MW2_G    | MW2R     | MW2R      | MW2R       | MW2R      | MW2R      | MW2R      |      |        |     |   |
|---------------------------------------------------|-------|-------------|----------------------------------------|-----------|-----------|-----------|-----------|------------|-----------|----------|----------|-----------|------------|-----------|-----------|-----------|------|--------|-----|---|
|                                                   |       |             |                                        | 5/28/2020 | 3/20/2021 | 3/20/2021 | 7/11/2021 | 11/22/2021 | 2/28/2022 | 2/7/2023 | 7/6/2023 | 12/1/2023 | 12/11/2024 | 3/12/2025 | 6/17/2025 | 9/24/2025 |      |        |     |   |
| <b>Volatile Organic Compounds</b>                 | ug/L  |             |                                        |           |           |           |           |            |           |          |          |           |            |           |           |           |      |        |     |   |
| Acetone                                           |       | 67-64-1     | 50*                                    | 20        | 17        | 17        | 5         | 5          | UJ        | 6.8      | 16       | J         | 7.8        | 5         | 5         | 5         | 6.4  | 10     |     |   |
| Benzene                                           |       | 71-43-2     | 1                                      | 0.5       | U         | 0.5       | U         | 0.5        | U         | 0.5      | U        | 0.5       | U          | 0.5       | U         | 0.5       | U    | 0.5    | U   |   |
| Bromochloromethane                                |       | 74-97-5     | 5                                      | 2.5       | U         | 2.5       | U         | 2.5        | U         | 2.5      | U        | 12        | U          | 2.5       | U         | 2.5       | U    | 2.5    | U   |   |
| Bromodichloromethane                              |       | 75-27-4     | 50*                                    | 0.5       | U         | 0.21      | J         | 0.25       | J         | 0.93     | 0.92     | 0.57      | 2.5        | U         | 0.5       | U         | 0.5  | U      | 0.5 | U |
| Bromoform                                         |       | 75-25-2     | 50*                                    | 2         | U         | 2         | U         | 2          | U         | 2        | U        | 2         | U          | 10        | U         | 2         | U    | 2      | U   |   |
| Bromomethane                                      |       | 74-83-9     | 5                                      | 2.5       | UJ        | 2.5       | UJ        | 2.5        | UJ        | 2.5      | U        | 12        | U          | 2.5       | U         | 2.5       | U    | 2.5    | U   |   |
| Carbon disulfide                                  |       | 75-15-0     | 60*                                    | 5         | U         | 5         | U         | 5          | U         | 5        | U        | 25        | U          | 5         | U         | 5         | U    | 5      | U   |   |
| Carbon tetrachloride                              |       | 56-23-5     | 5                                      | 0.5       | U         | 0.5       | U         | 0.5        | U         | 0.5      | U        | 2.5       | U          | 0.5       | U         | 0.5       | U    | 0.5    | U   |   |
| Chlorobenzene                                     |       | 108-90-7    | 5                                      | 2.5       | U         | 2.5       | U         | 2.5        | U         | 2.5      | U        | 12        | U          | 2.5       | U         | 2.5       | U    | 2.5    | U   |   |
| Chloroethane                                      |       | 75-00-3     | 5                                      | 2.5       | UJ        | 2.5       | U         | 2.5        | U         | 2.5      | U        | 12        | U          | 2.5       | U         | 2.5       | U    | 2.5    | U   |   |
| Chloroform (Trichloromethane)                     |       | 67-66-3     | 7                                      | 3.1       | 36        | 36        | 28        | 8.3        | 4.3       | 12       | U        | 2.5       | U          | 2.5       | U         | 2.5       | U    | 2.5    | U   |   |
| Chloromethane                                     |       | 74-87-3     | 5                                      | 2.5       | UJ        | 2.5       | U         | 2.5        | U         | 2.5      | U        | 12        | U          | 2.5       | UJ        | 2.5       | U    | 2.5    | U   |   |
| Cyclohexane                                       |       | 110-82-7    | NE                                     | 10        | U         | 10        | U         | 10         | U         | 10       | UJ       | 10        | U          | 50        | U         | 10        | U    | 10     | U   |   |
| 1,2-Dibromo-3-chloropropane                       |       | 96-12-8     | 0.04                                   | 2.5       | U         | 2.5       | U         | 2.5        | U         | 2.5      | U        | 12        | U          | 2.5       | U         | 2.5       | U    | 2.5    | U   |   |
| Dibromochloromethane                              |       | 124-48-1    | 50*                                    | 0.5       | U         | 0.5       | U         | 0.5        | U         | 0.24     | J        | 0.5       | U          | 0.5       | U         | 0.5       | U    | 0.5    | U   |   |
| 1,2-Dibromoethane (EDB)                           |       | 106-93-4    | 0.0006                                 | 2         | U         | 2         | U         | 2          | U         | 2        | U        | 2         | U          | 10        | U         | 2         | U    | 2      | U   |   |
| 1,2-Dichlorobenzene (o-DCB)                       |       | 95-50-1     | 3                                      | 2.5       | U         | 2.5       | U         | 2.5        | U         | 2.5      | U        | 12        | U          | 2.5       | U         | 2.5       | U    | 2.5    | U   |   |
| 1,3-Dichlorobenzene (m-DCB)                       |       | 541-73-1    | 3                                      | 2.5       | U         | 2.5       | U         | 2.5        | U         | 2.5      | U        | 12        | U          | 2.5       | U         | 2.5       | U    | 2.5    | U   |   |
| 1,4-Dichlorobenzene (p-DCB)                       |       | 106-46-7    | 3                                      | 2.5       | U         | 2.5       | U         | 2.5        | U         | 2.5      | U        | 12        | U          | 2.5       | U         | 2.5       | U    | 2.5    | U   |   |
| Dichlorodifluoromethane (Freon 12)                |       | 75-71-8     | 5                                      | 5         | UJ        | 5         | U         | 5          | U         | 5        | U        | 25        | U          | 5         | U         | 5         | U    | 5      | U   |   |
| 1,1-Dichloroethane                                |       | 75-34-3     | 5                                      | 2.5       | U         | 2.5       | U         | 2.5        | U         | 2.5      | U        | 12        | U          | 2.5       | U         | 2.5       | U    | 2.5    | U   |   |
| 1,2-Dichloroethane                                |       | 107-06-2    | 0.6                                    | 0.5       | U         | 0.5       | U         | 0.5        | U         | 0.5      | U        | 2.5       | U          | 0.5       | U         | 0.5       | U    | 0.5    | U   |   |
| 1,1-Dichloroethene                                |       | 75-35-4     | 5                                      | 0.5       | U         | 0.5       | U         | 0.5        | U         | 0.5      | U        | 2.5       | U          | 0.27      | J         | 0.18      | J    | 0.5    | U   |   |
| cis-1,2-Dichloroethene                            |       | 156-59-2    | 5                                      | 3.4       | 8.5       | 7.8       | 0.92      | J          | 2.5       | U        | 2.5      | U         | 130        | 38        | 51        | 28        | 21   | 37     | 39  |   |
| trans-1,2-Dichloroethene                          |       | 156-60-5    | 5                                      | 2.5       | U         | 2.5       | U         | 2.5        | U         | 2.5      | U        | 12        | U          | 2.5       | U         | 2.5       | U    | 2.5    | U   |   |
| 1,2-Dichloropropane                               |       | 78-87-5     | 1                                      | 1         | U         | 1         | U         | 1          | U         | 1        | U        | 5         | 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        | 2.5       | U          | 0.5       | U         | 0.5       | U    | 0.5    | U   |   |
| trans-1,3-Dichloropropene                         |       | 10061-02-6  | 0.4                                    | 0.5       | U         | 0.5       | U         | 0.5        | U         | 0.5      | U        | 2.5       | U          | 0.5       | U         | 0.5       | U    | 0.5    | U   |   |
| 1,4-Dioxane                                       |       | 123-91-1    | NE                                     | 250       | UJ        | 250       | UJ        | 250        | UJ        | 250      | U        | 1,200     | U          | 250       | U         | 250       | U    | 250    | U   |   |
| Ethylbenzene                                      |       | 100-41-4    | 5                                      | 2.5       | U         | 2.5       | U         | 2.5        | U         | 2.5      | U        | 12        | U          | 2.5       | U         | 2.5       | U    | 2.5    | U   |   |
| 2-Hexanone                                        |       | 591-78-6    | 50*                                    | 5         | U         | 5         | U         | 5          | U         | 5        | U        | 25        | U          | 5         | U         | 5         | U    | 5      | U   |   |
| Isopropylbenzene                                  |       | 98-82-8     | 5                                      | 2.5       | U         | 2.5       | U         | 2.5        | U         | 2.5      | U        | 12        | U          | 2.5       | U         | 2.5       | U    | 2.5    | U   |   |
| Methyl acetate                                    |       | 79-20-9     | NE                                     | 2         | U         | 2         | UJ        | 2          | UJ        | 2        | U        | 2         | U          | 10        | U         | 2         | U    | 2      | U   |   |
| Methyl ethyl ketone (2-Butanone)                  |       | 78-93-3     | 50*                                    | 5         | U         | 5         | U         | 5          | U         | 5        | U        | 25        | U          | 5         | U         | 5         | U    | 5      | U   |   |
| Methyl tert-butyl ether (MTBE)                    |       | 1634-04-4   | 10*                                    | 2.5       | U         | 2.5       | U         | 2.5        | U         | 2.5      | U        | 12        | U          | 2.5       | U         | 2.5       | U    | 2.5    | U   |   |
| 4-Methyl-2-pentanone (MIBK)                       |       | 108-10-1    | NE                                     | 5         | U         | 5         | U         | 5          | U         | 5        | U        | 25        | U          | 5         | U         | 5         | U    | 5      | U   |   |
| Methylcyclohexane                                 |       | 108-87-2    | NE                                     | 10        | U         | 10        | U         | 10         | U         | 10       | U        | 50        | U          | 10        | U         | 10        | U    | 10     | U   |   |
| Methylene chloride                                |       | 75-09-2     | 5                                      | 2.5       | U         | 0.73      | J         | 0.73       | J         | 2.5      | U        | 12        | U          | 2.5       | U         | 2.5       | U    | 2.5    | U   |   |
| Styrene                                           |       | 100-42-5    | 5                                      | 2.5       | U         | 2.5       | U         | 2.5        | U         | 2.5      | U        | 12        | U          | 2.5       | U         | 2.5       | U    | 2.5    | U   |   |
| 1,1,1,2-Tetrachloroethane                         |       | 79-34-5     | 5                                      | 0.5       | U         | 0.5       | U         | 0.5        | U         | 0.5      | U        | 2.5       | U          | 0.5       | U         | 0.5       | U    | 0.5    | U   |   |
| Tetrachloroethene (PCE)                           |       | 127-18-4    | 5                                      | 4         | 64        | 61        | 0.76      | 2.1        | 0.43      | J        | 470      | 150       | J          | 42        | 1.7       | 16        | 0.27 | J      | 6.7 |   |
| Tetrahydrofuran                                   |       | 109-99-9    | 50*                                    | --        | --        | --        | --        | --         | --        | --       | --       | --        | --         | 5         | U         | --        | --   | --     | --  |   |
| Toluene                                           |       | 108-88-3    | 5                                      | 2.5       | U         | 2.5       | U         | 2.5        | U         | 2.5      | U        | 530       | 9.8        | 2.5       | U         | 2.5       | U    | 2.5    | U   |   |
| 1,1,2-Trichloro-1,1,2-trifluoroethane (Freon 113) |       | 76-13-1     | 5                                      | 2.5       | U         | 2.5       | U         | 2.5        | U         | 2.5      | U        | 12        | U          | 2.5       | U         | 2.5       | U    | 2.5    | U   |   |
| 1,2,3-Trichlorobenzene                            |       | 87-61-6     | 5                                      | 62        | U         | 2.5       | U         | 2.5        | U         | 2.5      | UJ       | 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        | 12        | U          | 2.5       | U         | 2.5       | U    | 2.5    | U   |   |
| 1,1,1-Trichloroethane (TCA)                       |       | 71-55-6     | 5                                      | 2.5       | U         | 2.5       | U         | 2.5        | U         | 2.5      | U        | 12        | U          | 2.5       | U         | 2.5       | U    | 2.5    | U   |   |
| 1,1,2-Trichloroethane                             |       | 79-00-5     | 1                                      | 1.5       | U         | 1.5       | U         | 1.5        | U         | 1.5      | U        | 7.5       | U          | 1.5       | U         | 1.5       | U    | 1.5    | U   |   |
| Trichloroethene (TCE)                             |       | 79-01-6     | 5                                      | 0.91      | 7.1       | 6.7       | 0.34      | J          | 0.35      | J        | 0.5      | U         | 120        | 18        | 17        | 2.8       | 7.2  | 3.7    | 4.4 |   |
| Trichlorofluoromethane (Freon 11)                 |       | 75-69-4     | 5                                      | 2.5       | UJ        | 2.5       | U         | 2.5        | U         | 2.5      | U        | 12        | U          | 2.5       | U         | 2.5       | U    | 2.5    | U   |   |
| Vinyl chloride                                    |       | 75-01-4     | 2                                      | 0.44      | J         | 0.66      | J         | 0.64       | J         | 1        | U        | 0.09      | J          | 1         | J         | 0.79      | J    | 1.2    | 1.4 |   |
| o-Xylene                                          |       | 95-47-6     | 5                                      | 2.5       | U         | 2.5       | U         | 2.5        | U         | 2.5      | U        | 12        | 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        | 12        | U          | 2.5       | U         | 2.5       | U    | 2.5    | U   |   |
| Total Xylene                                      |       |             |                                        | 2.5       | U         | 2.5       | U         | 2.5        | U         | 2.5      | U        | 12        | U          | 2.5       | U         | 2.5       | U    | 2.5    | U   |   |
| Total VOCs                                        |       | --          | NE                                     | 31.85     | J         | 134.2     | J         | 130.12     | J         | 31.19    | J        | 11.76     | J          | 12.1      | J         | 1,267     | J    | 224.66 | J   |   |
|                                                   |       |             |                                        |           |           |           |           |            |           |          |          |           |            |           |           |           |      |        |     |   |

**Table 4A. Historical Groundwater VOC Analysis Results**  
 UniFirst Corporation  
 Liverpool, NY  
 BCP Site No. 734152

| Analyte                                           | Units | CAS No.    | Sample Name<br>Sample Date<br>NYS AWQS | TW6       |           | TW6        |           | TW6       |           | TW6       |          | TW6 (DUP) |            | MW3S_G    |           | MW3S      |   | MW3S    |   | MW3S    |   | MW3S    |   | MW3S    |   |         |   |
|---------------------------------------------------|-------|------------|----------------------------------------|-----------|-----------|------------|-----------|-----------|-----------|-----------|----------|-----------|------------|-----------|-----------|-----------|---|---------|---|---------|---|---------|---|---------|---|---------|---|
|                                                   |       |            |                                        | 3/20/2021 | 7/11/2021 | 11/21/2021 | 2/27/2022 | 2/27/2022 | 2/27/2022 | 2/27/2023 | 7/6/2023 | 12/1/2023 | 12/10/2024 | 3/12/2025 | 6/17/2025 | 9/24/2025 |   |         |   |         |   |         |   |         |   |         |   |
| <b>Volatile Organic Compounds</b>                 | ug/L  |            |                                        |           |           |            |           |           |           |           |          |           |            |           |           |           |   |         |   |         |   |         |   |         |   |         |   |
| Acetone                                           |       | 67-64-1    | 50*                                    | 200       | U         | 1000       | U         | 1000      | U         | 1,200     | U        | 1,200     | U          | 2,500     | U         | 2,500     | U | 5,000   | U | 5,000   | U | 5,000   | U | 5,000   | U | 20,000  | U |
| Benzene                                           |       | 71-43-2    | 1                                      | 20        | U         | 100        | U         | 100       | U         | 120       | U        | 120       | U          | 250       | U         | 250       | U | 500     | U | 500     | U | 500     | U | 500     | U | 2,000   | U |
| Bromochloromethane                                |       | 74-97-5    | 5                                      | 100       | U         | 500        | U         | 500       | U         | 620       | U        | 620       | U          | 1,200     | U         | 1,200     | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,500   | U |         |   |
| Bromodichloromethane                              |       | 75-27-4    | 50*                                    | 20        | U         | 100        | U         | 100       | U         | 120       | U        | 120       | U          | 250       | U         | 250       | U | 500     | U | 500     | U | 500     | U | 500     | U | 2,000   | U |
| Bromofom                                          |       | 75-25-2    | 50*                                    | 80        | U         | 400        | U         | 400       | U         | 500       | U        | 500       | U          | 1000      | U         | 1000      | U | 2,000   | U | 2,000   | U | 2,000   | U | 2,000   | U | 2,000   | U |
| Bromomethane                                      |       | 74-83-9    | 5                                      | 100       | U         | 500        | U         | 500       | U         | 620       | U        | 620       | U          | 1,200     | U         | 1,200     | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,000   | U |
| Carbon disulfide                                  |       | 75-15-0    | 60*                                    | 200       | U         | 1000       | U         | 1000      | U         | 1,200     | U        | 1,200     | U          | 2,500     | U         | 2,500     | U | 5,000   | U | 5,000   | U | 5,000   | U | 5,000   | U | 2,000   | U |
| Carbon tetrachloride                              |       | 56-23-5    | 5                                      | 20        | U         | 100        | U         | 100       | U         | 120       | U        | 120       | U          | 250       | U         | 250       | U | 500     | U | 500     | U | 500     | U | 500     | U | 2,000   | U |
| Chlorobenzene                                     |       | 108-90-7   | 5                                      | 100       | U         | 500        | U         | 500       | U         | 620       | U        | 620       | U          | 1,200     | U         | 1,200     | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,000   | U |
| Chloroethane                                      |       | 75-00-3    | 5                                      | 100       | U         | 500        | U         | 500       | U         | 620       | U        | 620       | U          | 1,200     | U         | 1,200     | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,000   | U |
| Chloroform (Trichloromethane)                     |       | 67-66-3    | 7                                      | 100       | U         | 500        | U         | 500       | U         | 620       | U        | 620       | U          | 1,200     | U         | 1,200     | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,000   | U |
| Chloromethane                                     |       | 74-87-3    | 5                                      | 100       | U         | 500        | U         | 500       | U         | 620       | U        | 620       | U          | 1,200     | U         | 1,200     | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,000   | U |
| Cyclohexane                                       |       | 110-82-7   | NE                                     | 400       | U         | 2,000      | U         | 2,000     | U         | 2,500     | U        | 2,500     | U          | 5,000     | U         | 5,000     | U | 10,000  | U | 10,000  | U | 10,000  | U | 10,000  | U | 2,000   | U |
| 1,2-Dibromo-3-chloropropane                       |       | 96-12-8    | 0.04                                   | 100       | U         | 500        | U         | 500       | U         | 620       | U        | 620       | U          | 1,200     | U         | 1,200     | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,000   | U |
| Dibromochloromethane                              |       | 124-48-1   | 50*                                    | 20        | U         | 100        | U         | 100       | U         | 120       | U        | 120       | U          | 250       | U         | 250       | U | 500     | U | 500     | U | 500     | U | 500     | U | 2,000   | U |
| 1,2-Dibromoethane (EDB)                           |       | 106-93-4   | 0.0006                                 | 80        | U         | 400        | U         | 400       | U         | 500       | U        | 500       | U          | 1000      | U         | 1000      | U | 2,000   | U | 2,000   | U | 2,000   | U | 2,000   | U | 2,000   | U |
| 1,2-Dichlorobenzene (o-DCB)                       |       | 95-50-1    | 3                                      | 100       | U         | 500        | U         | 500       | U         | 620       | U        | 620       | U          | 1,200     | U         | 1,200     | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,000   | U |
| 1,3-Dichlorobenzene (m-DCB)                       |       | 541-73-1   | 3                                      | 100       | U         | 500        | U         | 500       | U         | 620       | U        | 620       | U          | 1,200     | U         | 1,200     | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,000   | U |
| 1,4-Dichlorobenzene (p-DCB)                       |       | 106-46-7   | 3                                      | 100       | U         | 500        | U         | 500       | U         | 620       | U        | 620       | U          | 1,200     | U         | 1,200     | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,000   | U |
| Dichlorodifluoromethane (Freon 12)                |       | 75-71-8    | 5                                      | 200       | U         | 1000       | U         | 1000      | U         | 1,200     | U        | 1,200     | U          | 2,500     | U         | 2,500     | U | 5,000   | U | 5,000   | U | 5,000   | U | 5,000   | U | 2,000   | U |
| 1,1-Dichloroethane                                |       | 75-34-3    | 5                                      | 100       | U         | 500        | U         | 500       | U         | 620       | U        | 620       | U          | 1,200     | U         | 1,200     | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,000   | U |
| 1,2-Dichloroethane                                |       | 107-06-2   | 0.6                                    | 20        | U         | 100        | U         | 100       | U         | 120       | U        | 120       | U          | 250       | U         | 250       | U | 500     | U | 500     | U | 500     | U | 500     | U | 2,000   | U |
| 1,1-Dichloroethene                                |       | 75-35-4    | 5                                      | 40        | U         | 100        | U         | 100       | U         | 120       | U        | 120       | U          | 100       | J         | 200       | J | 220     | J | 500     | U | 500     | U | 500     | U | 2,000   | U |
| cis-1,2-Dichloroethene                            |       | 156-59-2   | 5                                      | 16,000    |           | 11,000     |           | 8,400     |           | 14,000    |          | 10,000    |            | 57,000    |           | 90,000    |   | 190,000 |   | 92,000  |   | 100,000 |   | 86,000  |   | 160,000 |   |
| trans-1,2-Dichloroethene                          |       | 156-60-5   | 5                                      | 110       |           | 170        | J         | 500       | U         | 620       | U        | 620       | U          | 1,200     | U         | 1,200     | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,000   | U |
| 1,2-Dichloropropane                               |       | 78-87-5    | 1                                      | 40        | U         | 200        | U         | 200       | U         | 250       | U        | 250       | U          | 500       | U         | 500       | U | 1000    | U | 1000    | U | 1000    | U | 1000    | U | 2,000   | U |
| cis-1,3-Dichloropropene                           |       | 10061-01-5 | 0.4                                    | 20        | U         | 100        | U         | 100       | U         | 120       | U        | 120       | U          | 250       | U         | 250       | U | 500     | U | 500     | U | 500     | U | 500     | U | 2,000   | U |
| trans-1,3-Dichloropropene                         |       | 10061-02-6 | 0.4                                    | 20        | U         | 100        | U         | 100       | U         | 120       | U        | 120       | U          | 250       | U         | 250       | U | 500     | U | 500     | U | 500     | U | 500     | U | 2,000   | 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         | 120,000   | U | 250,000 | U | 250,000 | U | 250,000 | U | 250,000 | U | --      |   |
| Ethylbenzene                                      |       | 100-41-4   | 5                                      | 100       | U         | 500        | U         | 500       | U         | 620       | U        | 620       | U          | 1,200     | U         | 1,200     | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,000   | U |
| 2-Hexanone                                        |       | 591-78-6   | 50*                                    | 200       | U         | 1000       | U         | 1000      | U         | 1,200     | U        | 1,200     | U          | 2,500     | U         | 2,500     | U | 5,000   | U | 5,000   | U | 5,000   | U | 5,000   | U | 10,000  | U |
| Isopropylbenzene                                  |       | 98-82-8    | 5                                      | 100       | U         | 500        | U         | 500       | U         | 620       | U        | 620       | U          | 1,200     | U         | 1,200     | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,000   | U |
| Methyl acetate                                    |       | 79-20-9    | NE                                     | 80        | U         | 400        | U         | 400       | U         | 500       | U        | 500       | U          | 1000      | U         | 1000      | U | 2,000   | U | 2,000   | U | 2,000   | U | 2,000   | U | 5,000   | 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         | 2,500     | U | 5,000   | U | 5,000   | U | 5,000   | U | 5,000   | U | 20,000  | U |
| Methyl tert-butyl ether (MTBE)                    |       | 1634-04-4  | 10*                                    | 100       | U         | 500        | U         | 500       | U         | 620       | U        | 620       | U          | 1,200     | U         | 1,200     | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,000   | 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         | 2,500     | U | 5,000   | U | 5,000   | U | 5,000   | U | 5,000   | U | 10,000  | U |
| Methylcyclohexane                                 |       | 108-87-2   | NE                                     | 400       | U         | 2,000      | U         | 2,000     | U         | 2,500     | U        | 2,500     | U          | 5,000     | U         | 5,000     | U | 10,000  | U | 10,000  | U | 10,000  | U | 10,000  | U | 2,000   | U |
| Methylene chloride                                |       | 75-09-2    | 5                                      | 100       | U         | 500        | U         | 500       | U         | 620       | U        | 620       | U          | 1,200     | U         | 1,200     | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,000   | U |
| Styrene                                           |       | 100-42-5   | 5                                      | 100       | U         | 500        | U         | 500       | U         | 620       | U        | 620       | U          | 1,200     | U         | 1,200     | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,000   | U |
| 1,1,2,2-Tetrachloroethane                         |       | 79-34-5    | 5                                      | 20        | U         | 100        | U         | 100       | U         | 120       | U        | 120       | U          | 250       | U         | 250       | U | 500     | U | 500     | U | 500     | U | 500     | U | 2,000   | U |
| Tetrachloroethene (PCE)                           |       | 127-18-4   | 5                                      | 40,000    | J         | 21,000     |           | 20,000    |           | 34,000    |          | 24,000    |            | 63,000    |           | 41,000    |   | 1,400   |   | 500     | U | 500     | U | 500     | U | 2,000   | U |
| Tetrahydrofuran                                   |       | 109-99-9   | 50*                                    | --        |           | --         |           | --        |           | --        |          | --        |            | --        |           | --        |   | 5,000   | U | --      |   | --      |   | --      |   | --      |   |
| Toluene                                           |       | 108-88-3   | 5                                      | 100       | U         | 500        | U         | 500       | U         | 620       | U        | 620       | U          | 1,200     | U         | 1,200     | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,000   | 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         | 1,200     | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,000   | U |
| 1,2,3-Trichlorobenzene                            |       | 87-61-6    | 5                                      | 2.5       | U         | 100        | U         | 500       | U         | 620       | U        | 620       | U          | 1,200     | U         | 1,200     | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,500   | U | --      |   |
| 1,2,4-Trichlorobenzene                            |       | 120-82-1   | 5                                      | 100       | U         | 500        | U         | 500       | U         | 620       | U        | 620       | U          | 1,200     | U         | 1,200     | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,500   | U | 2,000   | U |
| 1,1,1-Trichloroethane (TCA)                       |       | 71-55-6    | 5                                      | 100       | U         | 500        | U         | 500       | U         | 620       | U        | 620       | U          | 1,200     | U         | 1,200     | U | 2,500   | U | 2,500   | U | 2,500</ |   |         |   |         |   |

**Table 4A. Historical Groundwater VOC Analysis Results**  
 UniFirst Corporation  
 Liverpool, NY  
 BCP Site No. 734152

| Analyte                                           | Units | Sample Name |          | MW31_G          | MW31              | MW31            | MW31           | MW31          | MW31           | MW31           | MW31           | MW31           | MW31           | MW31     |
|---------------------------------------------------|-------|-------------|----------|-----------------|-------------------|-----------------|----------------|---------------|----------------|----------------|----------------|----------------|----------------|----------|
|                                                   |       | CAS No.     | NYS AWQS | 2/8/2023        | 7/6/2023          | 11/30/2023      | 12/10/2024     | 3/12/2025     | 6/17/2025      | 9/24/2025      |                |                |                |          |
| <b>Volatile Organic Compounds</b>                 | ug/L  |             |          |                 |                   |                 |                |               |                |                |                |                |                |          |
| Acetone                                           |       | 67-64-1     | 50*      | 500 U           | 50 U              | 5 U             | 5 U            | 5 U           | 5 U            | 5 U            | 5 U            | 5 U            | 10 U           | U        |
| Benzene                                           |       | 71-43-2     | 1        | 50 U            | 5 U               | 0.5 U           | 0.5 U          | 0.5 U         | 0.5 U          | 0.5 U          | 0.5 U          | 0.5 U          | 1 U            | U        |
| Bromochloromethane                                |       | 74-97-5     | 5        | 250 U           | 25 U              | 2.5 U           | 2.5 U          | 2.5 U         | 2.5 U          | 2.5 U          | 2.5 U          | 2.5 U          | --             |          |
| Bromodichloromethane                              |       | 75-27-4     | 50*      | 50 U            | 5 U               | 0.5 U           | 0.5 U          | 0.5 U         | 0.5 U          | 0.5 U          | 0.5 U          | 0.5 U          | 1 U            | U        |
| Bromoform                                         |       | 75-25-2     | 50*      | 200 U           | 20 U              | 2 U             | 2 U            | 2 U           | 2 U            | 2 U            | 2 U            | 2 U            | 1 U            | U        |
| Bromomethane                                      |       | 74-83-9     | 5        | 250 U           | 25 U              | 2.5 U           | 2.5 U          | 2.5 U         | 2.5 U          | 2.5 U          | 2.5 U          | 2.5 U          | 1 U            | U        |
| Carbon disulfide                                  |       | 75-15-0     | 60*      | 500 U           | 50 U              | 5 U             | 5 U            | 5 U           | 5 U            | 5 U            | 5 U            | 5 U            | 1 U            | U        |
| Carbon tetrachloride                              |       | 56-23-5     | 5        | 50 U            | 5 U               | 0.5 U           | 0.5 U          | 0.5 U         | 0.5 U          | 0.5 U          | 0.5 U          | 0.5 U          | 1 U            | U        |
| Chlorobenzene                                     |       | 108-90-7    | 5        | 250 U           | 25 U              | 2.5 U           | 2.5 U          | 2.5 U         | 2.5 U          | 2.5 U          | 2.5 U          | 2.5 U          | 1 U            | U        |
| Chloroethane                                      |       | 75-00-3     | 5        | 250 U           | 25 U              | 2.5 U           | 2.5 U          | 2.5 U         | 2.5 U          | 2.5 U          | 2.5 U          | 2.5 U          | 1 U            | U        |
| Chloroform (Trichloromethane)                     |       | 67-66-3     | 7        | 250 U           | 25 U              | 2.5 U           | 2.5 U          | 2.5 U         | 2.5 U          | 2.5 U          | 2.5 U          | 2.5 U          | 1 U            | U        |
| Chloromethane                                     |       | 74-87-3     | 5        | 250 U           | 25 U              | 2.5 U           | 2.5 U          | 2.5 U         | 2.5 U          | 2.5 U          | 2.5 U          | 2.5 U          | 1 U            | U        |
| Cyclohexane                                       |       | 110-82-7    | NE       | 1000 U          | 100 U             | 10 U            | 10 U           | 10 U          | 10 U           | 10 U           | 10 U           | 10 U           | 1 U            | U        |
| 1,2-Dibromo-3-chloropropane                       |       | 96-12-8     | 0.04     | 250 U           | 25 U              | 2.5 U           | 2.5 U          | 2.5 U         | 2.5 U          | 2.5 U          | 2.5 U          | 2.5 U          | 1 U            | U        |
| Dibromochloromethane                              |       | 124-48-1    | 50*      | 50 U            | 5 U               | 0.5 U           | 0.5 U          | 0.5 U         | 0.5 U          | 0.5 U          | 0.5 U          | 0.5 U          | 1 U            | U        |
| 1,2-Dibromoethane (EDB)                           |       | 106-93-4    | 0.0006   | 200 U           | 20 U              | 2 U             | 2 U            | 2 U           | 2 U            | 2 U            | 2 U            | 2 U            | 1 U            | U        |
| 1,2-Dichlorobenzene (o-DCB)                       |       | 95-50-1     | 3        | 250 U           | 25 U              | 2.5 U           | 2.5 U          | 2.5 U         | 2.5 U          | 2.5 U          | 2.5 U          | 2.5 U          | 1 U            | U        |
| 1,3-Dichlorobenzene (m-DCB)                       |       | 541-73-1    | 3        | 250 U           | 25 U              | 2.5 U           | 2.5 U          | 2.5 U         | 2.5 U          | 2.5 U          | 2.5 U          | 2.5 U          | 1 U            | U        |
| 1,4-Dichlorobenzene (p-DCB)                       |       | 106-46-7    | 3        | 250 U           | 25 U              | 2.5 U           | 2.5 U          | 2.5 U         | 2.5 U          | 2.5 U          | 2.5 U          | 2.5 U          | 1 U            | U        |
| Dichlorodifluoromethane (Freon 12)                |       | 75-71-8     | 5        | 500 U           | 50 U              | 5 U             | 5 U            | 5 U           | 5 U            | 5 U            | 5 U            | 5 U            | 1 U            | U        |
| 1,1-Dichloroethane                                |       | 75-34-3     | 5        | 250 U           | 25 U              | 2.5 U           | 2.5 U          | 2.5 U         | 2.5 U          | 2.5 U          | 2.5 U          | 2.5 U          | 1 U            | U        |
| 1,2-Dichloroethane                                |       | 107-06-2    | 0.6      | 50 U            | 5 U               | 0.5 U           | 0.5 U          | 0.5 U         | 0.5 U          | 0.5 U          | 0.5 U          | 0.5 U          | 1 U            | U        |
| 1,1-Dichloroethene                                |       | 75-35-4     | 5        | 50 U            | 5 U               | <b>0.26</b> J   | <b>0.64</b> J  | <b>0.4</b> J  | <b>0.5</b> J   | <b>0.5</b> J   | <b>0.5</b> J   | <b>0.5</b> J   | <b>1</b> J     | <b>U</b> |
| cis-1,2-Dichloroethene                            |       | 156-59-2    | 5        | <b>4,000</b> J  | <b>970</b> J      | <b>140</b> J    | <b>42</b> J    | <b>56</b> J   | <b>5</b> J     | <b>5</b> J     | <b>5</b> J     | <b>2.9</b> J   | <b>1</b> J     | <b>U</b> |
| trans-1,2-Dichloroethene                          |       | 156-60-5    | 5        | 250 U           | 25 U              | 2.5 U           | 2.5 U          | 2.5 U         | 2.5 U          | 2.5 U          | 2.5 U          | 2.5 U          | 1 U            | U        |
| 1,2-Dichloropropane                               |       | 78-87-5     | 1        | 100 U           | 10 U              | 1 U             | 1 U            | 1 U           | 1 U            | 1 U            | 1 U            | 1 U            | 1 U            | U        |
| cis-1,3-Dichloropropene                           |       | 10061-01-5  | 0.4      | 50 U            | 5 U               | 0.5 U           | 0.5 U          | 0.5 U         | 0.5 U          | 0.5 U          | 0.5 U          | 0.5 U          | 1 U            | U        |
| trans-1,3-Dichloropropene                         |       | 10061-02-6  | 0.4      | 50 U            | 5 U               | 0.5 U           | 0.5 U          | 0.5 U         | 0.5 U          | 0.5 U          | 0.5 U          | 0.5 U          | 1 U            | U        |
| 1,4-Dioxane                                       |       | 123-91-1    | NE       | 25,000 U        | 2,500 U           | 250 U           | 250 U          | 250 U         | 250 U          | 250 U          | 250 U          | 250 U          | --             |          |
| Ethylbenzene                                      |       | 100-41-4    | 5        | 250 U           | 25 U              | 2.5 U           | 2.5 U          | 2.5 U         | 2.5 U          | 2.5 U          | 2.5 U          | 2.5 U          | 1 U            | U        |
| 2-Hexanone                                        |       | 591-78-6    | 50*      | 500 U           | 50 U              | 5 U             | 5 U            | 5 U           | 5 U            | 5 U            | 5 U            | 5 U            | 5 U            | U        |
| Isopropylbenzene                                  |       | 98-82-8     | 5        | 250 U           | 25 U              | 2.5 U           | 2.5 U          | 2.5 U         | 2.5 U          | 2.5 U          | 2.5 U          | 2.5 U          | 1 U            | U        |
| Methyl acetate                                    |       | 79-20-9     | NE       | 200 U           | 20 U              | 2 U             | 2 U            | 2 U           | 2 U            | 2 U            | 2 U            | 2 U            | 2.5 U          | U        |
| Methyl ethyl ketone (2-Butanone)                  |       | 78-93-3     | 50*      | 500 U           | 50 U              | 5 U             | 5 U            | 5 U           | 5 U            | 5 U            | 5 U            | 5 U            | 10 U           | U        |
| Methyl tert-butyl ether (MTBE)                    |       | 1634-04-4   | 10*      | 250 U           | 25 U              | 2.5 U           | 2.5 U          | 2.5 U         | 2.5 U          | 2.5 U          | 2.5 U          | 2.5 U          | 1 U            | U        |
| 4-Methyl-2-pentanone (MIBK)                       |       | 108-10-1    | NE       | 500 U           | 50 U              | 5 U             | 5 U            | 5 U           | 5 U            | 5 U            | 5 U            | 5 U            | 5 U            | U        |
| Methylcyclohexane                                 |       | 108-87-2    | NE       | 1000 U          | 100 U             | 10 U            | 10 U           | 10 U          | 10 U           | 10 U           | 10 U           | 10 U           | 1 U            | U        |
| Methylene chloride                                |       | 75-09-2     | 5        | 250 U           | 25 U              | 2.5 U           | 2.5 U          | 2.5 U         | 2.5 U          | 2.5 U          | 2.5 U          | 2.5 U          | 1 U            | U        |
| Styrene                                           |       | 100-42-5    | 5        | 250 U           | 25 U              | 2.5 U           | 2.5 U          | 2.5 U         | 2.5 U          | 2.5 U          | 2.5 U          | 2.5 U          | 1 U            | U        |
| 1,1,2,2-Tetrachloroethane                         |       | 79-34-5     | 5        | 50 U            | 5 U               | 0.5 U           | 0.5 U          | 0.5 U         | 0.5 U          | 0.5 U          | 0.5 U          | 0.5 U          | 1 U            | U        |
| Tetrachloroethene (PCE)                           |       | 127-18-4    | 5        | <b>13,000</b> J | <b>19</b> J       | <b>2.3</b> J    | <b>0.64</b> J  | <b>1.1</b> J  | <b>0.41</b> J  | <b>0.41</b> J  | <b>0.41</b> J  | <b>0.41</b> J  | <b>1</b> J     | <b>U</b> |
| Tetrahydrofuran                                   |       | 109-99-9    | 50*      | --              | --                | 5 U             | --             | --            | --             | --             | --             | --             | --             |          |
| Toluene                                           |       | 108-88-3    | 5        | <b>150</b> J    | <b>26</b> J       | <b>1.8</b> J    | <b>2.5</b> J   | <b>2.5</b> J  | <b>2.5</b> J   | <b>2.5</b> J   | <b>2.5</b> J   | <b>2.5</b> J   | <b>1</b> J     | <b>U</b> |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) |       | 76-13-1     | 5        | 250 U           | 25 U              | 2.5 U           | 2.5 U          | 2.5 U         | 2.5 U          | 2.5 U          | 2.5 U          | 2.5 U          | 1 U            | U        |
| 1,2,3-Trichlorobenzene                            |       | 87-61-6     | 5        | 2,500 U         | 250 U             | 25 U            | 2.5 U          | 2.5 U         | 2.5 U          | 2.5 U          | 2.5 U          | 2.5 U          | --             |          |
| 1,2,4-Trichlorobenzene                            |       | 120-82-1    | 5        | 250 U           | 25 U              | 2.5 U           | 2.5 U          | 2.5 U         | 2.5 U          | 2.5 U          | 2.5 U          | 2.5 U          | 1 U            | U        |
| 1,1,1-Trichloroethane (TCA)                       |       | 71-55-6     | 5        | 250 U           | 25 U              | 2.5 U           | 2.5 U          | 2.5 U         | 2.5 U          | 2.5 U          | 2.5 U          | 2.5 U          | 1 U            | U        |
| 1,1,2-Trichloroethane                             |       | 79-00-5     | 1        | 150 U           | 15 U              | 1.5 U           | 1.5 U          | 1.5 U         | 1.5 U          | 1.5 U          | 1.5 U          | 1.5 U          | 1 U            | U        |
| Trichloroethene (TCE)                             |       | 79-01-6     | 5        | <b>690</b> J    | <b>18</b> J       | <b>1.4</b> J    | <b>0.6</b> J   | <b>1.6</b> J  | <b>0.75</b> J  | <b>0.75</b> J  | <b>0.75</b> J  | <b>0.75</b> J  | <b>0.53</b> J  | <b>J</b> |
| Trichlorofluoromethane (Freon 11)                 |       | 75-69-4     | 5        | 250 U           | 25 U              | 2.5 U           | 2.5 U          | 2.5 U         | 2.5 U          | 2.5 U          | 2.5 U          | 2.5 U          | 1 U            | U        |
| Vinyl chloride                                    |       | 75-01-4     | 2        | <b>120</b> J    | <b>8.6</b> J      | <b>7.3</b> J    | <b>39</b> J    | <b>24</b> J   | <b>6.1</b> J   | <b>6.1</b> J   | <b>6.1</b> J   | <b>6.1</b> J   | <b>8.4</b> J   | <b>J</b> |
| o-Xylene                                          |       | 95-47-6     | 5        | 250 U           | 25 U              | 2.5 U           | 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        | 250 U           | 25 U              | 2.5 U           | 2.5 U          | 2.5 U         | 2.5 U          | 2.5 U          | 2.5 U          | 2.5 U          | --             |          |
| Total Xylene                                      |       |             |          | 250 U           | 25 U              | 2.5 U           | 2.5 U          | 2.5 U         | 2.5 U          | 2.5 U          | 2.5 U          | 2.5 U          | 2 U            | U        |
| Total VOCs                                        |       | --          | NE       | <b>17,960</b> J | <b>1,041.60</b> J | <b>153.06</b> J | <b>82.88</b> J | <b>83.1</b> J | <b>12.26</b> J | <b>12.26</b> J | <b>12.26</b> J | <b>12.26</b> J | <b>11.83</b> J | <b>J</b> |

**Table 4A. Historical Groundwater VOC Analysis Results**  
**UniFirst Corporation**  
**Liverpool, NY**  
**BCP Site No. 734152**

| Analyte                                           | Units | CAS No.    | Sample Name<br>Sample Date<br>NYS AWQS | TW9       |           | TW9        |           | TW9      |          | TW9      |           | MW4S_G     |           | MW4S_G (DU) |           | MW4S      |   | MW4S    |   | MW4S    |   | MW4S   |   | MW4S (DUP) |   | MW4S   |   |        |   |
|---------------------------------------------------|-------|------------|----------------------------------------|-----------|-----------|------------|-----------|----------|----------|----------|-----------|------------|-----------|-------------|-----------|-----------|---|---------|---|---------|---|--------|---|------------|---|--------|---|--------|---|
|                                                   |       |            |                                        | 3/21/2021 | 7/11/2021 | 11/20/2021 | 2/26/2022 | 2/8/2023 | 2/8/2023 | 7/6/2023 | 12/1/2023 | 12/10/2024 | 3/12/2025 | 6/17/2025   | 6/17/2025 | 9/24/2025 |   |         |   |         |   |        |   |            |   |        |   |        |   |
| <b>Volatile Organic Compounds</b>                 | ug/L  |            |                                        |           |           |            |           |          |          |          |           |            |           |             |           |           |   |         |   |         |   |        |   |            |   |        |   |        |   |
| Acetone                                           |       | 67-64-1    | 50*                                    | 100       | U         | 10         | U         | 20       | U        | 20       | U         | 2,500      | U         | 2,500       | U         | 5,000     | U | 1000    | U | 5,000   | U | 500    | U | 500        | U | 1000   | U | 20,000 | U |
| Benzene                                           |       | 71-43-2    | 1                                      | 10        | U         | 1          | U         | 2        | U        | 2        | U         | 250        | U         | 250         | U         | 500       | U | 100     | U | 500     | U | 50     | U | 50         | U | 100    | U | 2,000  | U |
| Bromochloromethane                                |       | 74-97-5    | 5                                      | 50        | U         | 5          | U         | 10       | U        | 10       | U         | 1,200      | U         | 1,200       | U         | 2,500     | U | 500     | U | 2,500   | U | 250    | U | 250        | U | 500    | U | --     |   |
| Bromodichloromethane                              |       | 75-27-4    | 50*                                    | 10        | U         | 1          | U         | 2        | U        | 2        | U         | 250        | U         | 250         | U         | 500       | U | 100     | U | 500     | U | 50     | U | 50         | U | 100    | U | 2,000  | U |
| Bromofom                                          |       | 75-25-2    | 50*                                    | 40        | U         | 4          | U         | 8        | U        | 8        | U         | 1000       | U         | 1000        | U         | 2,000     | U | 400     | U | 2,000   | U | 200    | U | 200        | U | 400    | U | 2,000  | U |
| Bromomethane                                      |       | 74-83-9    | 5                                      | 50        | U         | 5          | U         | 10       | U        | 10       | U         | 1,200      | U         | 1,200       | U         | 2,500     | U | 500     | U | 2,500   | U | 250    | U | 250        | U | 500    | U | 2,000  | U |
| Carbon disulfide                                  |       | 75-15-0    | 60*                                    | 100       | U         | 10         | U         | 20       | U        | 20       | U         | 2,500      | U         | 2,500       | U         | 5,000     | U | 1000    | U | 5,000   | U | 500    | U | 500        | U | 1000   | U | 2,000  | U |
| Carbon tetrachloride                              |       | 56-23-5    | 5                                      | 10        | U         | 1          | U         | 2        | U        | 2        | U         | 250        | U         | 250         | U         | 500       | U | 100     | U | 500     | U | 50     | U | 50         | U | 100    | U | 2,000  | U |
| Chlorobenzene                                     |       | 108-90-7   | 5                                      | 50        | U         | 5          | U         | 10       | U        | 10       | U         | 1,200      | U         | 1,200       | U         | 2,500     | U | 500     | U | 2,500   | U | 250    | U | 250        | U | 500    | U | 2,000  | U |
| Chloroethane                                      |       | 75-00-3    | 5                                      | 50        | U         | 5          | U         | 10       | U        | 10       | U         | 1,200      | U         | 1,200       | U         | 2,500     | U | 500     | U | 2,500   | U | 250    | U | 250        | U | 500    | U | 2,000  | U |
| Chloroform (Trichloromethane)                     |       | 67-66-3    | 7                                      | 50        | U         | 5          | U         | 10       | U        | 10       | U         | 1,200      | U         | 1,200       | U         | 2,500     | U | 500     | U | 2,500   | U | 250    | U | 250        | U | 500    | U | 2,000  | U |
| Chloromethane                                     |       | 74-87-3    | 5                                      | 50        | U         | 5          | U         | 10       | U        | 10       | U         | 1,200      | U         | 1,200       | U         | 2,500     | U | 500     | U | 2,500   | U | 250    | U | 250        | U | 500    | U | 2,000  | U |
| Cyclohexane                                       |       | 110-82-7   | NE                                     | 200       | U         | 20         | U         | 40       | U        | 40       | U         | 5,000      | U         | 5,000       | U         | 10,000    | U | 2,000   | U | 10,000  | U | 1000   | U | 1000       | U | 2,000  | U | 2,000  | 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         | 2,500     | U | 500     | U | 2,500   | U | 250    | U | 250        | U | 500    | U | 2,000  | U |
| Dibromochloromethane                              |       | 124-48-1   | 50*                                    | 10        | U         | 1          | U         | 2        | U        | 2        | U         | 250        | U         | 250         | U         | 500       | U | 100     | U | 500     | U | 50     | U | 50         | U | 100    | U | 2,000  | U |
| 1,2-Dibromoethane (EDB)                           |       | 106-93-4   | 0.0006                                 | 40        | U         | 4          | U         | 8        | U        | 8        | U         | 1000       | U         | 1000        | U         | 2,000     | U | 400     | U | 2,000   | U | 200    | U | 200        | U | 400    | U | 2,000  | U |
| 1,2-Dichlorobenzene (o-DCB)                       |       | 95-50-1    | 3                                      | 50        | U         | 5          | U         | 10       | U        | 10       | U         | 1,200      | U         | 1,200       | U         | 2,500     | U | 500     | U | 2,500   | U | 250    | U | 250        | U | 500    | U | 2,000  | U |
| 1,3-Dichlorobenzene (m-DCB)                       |       | 541-73-1   | 3                                      | 50        | U         | 5          | U         | 10       | U        | 10       | U         | 1,200      | U         | 1,200       | U         | 2,500     | U | 500     | U | 2,500   | U | 250    | U | 250        | U | 500    | U | 2,000  | U |
| 1,4-Dichlorobenzene (p-DCB)                       |       | 106-46-7   | 3                                      | 50        | U         | 5          | U         | 10       | U        | 10       | U         | 1,200      | U         | 1,200       | U         | 2,500     | U | 500     | U | 2,500   | U | 250    | U | 250        | U | 500    | U | 2,000  | U |
| Dichlorodifluoromethane (Freon 12)                |       | 75-71-8    | 5                                      | 100       | U         | 10         | U         | 20       | U        | 20       | U         | 2,500      | U         | 2,500       | U         | 5,000     | U | 1000    | U | 5,000   | U | 500    | U | 500        | U | 1000   | U | 2,000  | U |
| 1,1-Dichloroethane                                |       | 75-34-3    | 5                                      | 50        | U         | 5          | U         | 10       | U        | 10       | U         | 1,200      | U         | 1,200       | U         | 2,500     | U | 500     | U | 2,500   | U | 250    | U | 250        | U | 500    | U | 2,000  | U |
| 1,2-Dichloroethane                                |       | 107-06-2   | 0.6                                    | 10        | U         | 1          | U         | 2        | U        | 2        | U         | 250        | U         | 250         | U         | 500       | U | 100     | U | 500     | U | 50     | U | 50         | U | 100    | U | 2,000  | U |
| 1,1-Dichloroethene                                |       | 75-35-4    | 5                                      | 3.4       | J         | 1          | U         | 2        | U        | 2        | U         | 100        | J         | 94          | J         | 500       | U | 35      | J | 500     | U | 50     | U | 50         | U | 100    | U | 2,000  | U |
| cis-1,2-Dichloroethene                            |       | 156-59-2   | 5                                      | 1,800     |           | 290        |           | 470      |          | 460      |           | 76,000     |           | 70,000      |           | 16,000    |   | 17,000  |   | 9,600   |   | 1000   |   | 1,400      |   | 1,400  |   | 8,100  |   |
| trans-1,2-Dichloroethene                          |       | 156-60-5   | 5                                      | 50        | U         | 5          | U         | 10       | U        | 10       | U         | 1,200      | U         | 1,200       | U         | 2,500     | U | 500     | U | 2,500   | U | 250    | U | 250        | U | 500    | U | 2,000  | U |
| 1,2-Dichloropropane                               |       | 78-87-5    | 1                                      | 20        | U         | 2          | U         | 4        | U        | 4        | U         | 500        | U         | 500         | U         | 1000      | U | 200     | U | 1000    | U | 100    | U | 100        | U | 200    | U | 2,000  | U |
| cis-1,3-Dichloropropene                           |       | 10061-01-5 | 0.4                                    | 10        | U         | 1          | U         | 2        | U        | 2        | U         | 250        | U         | 250         | U         | 500       | U | 100     | U | 500     | U | 50     | U | 50         | U | 100    | U | 2,000  | U |
| trans-1,3-Dichloropropene                         |       | 10061-02-6 | 0.4                                    | 10        | U         | 1          | U         | 2        | U        | 2        | U         | 250        | U         | 250         | U         | 500       | U | 100     | U | 500     | U | 50     | U | 50         | U | 100    | U | 2,000  | U |
| 1,4-Dioxane                                       |       | 123-91-1   | NE                                     | 5,000     | U         | 500        | U         | 1000     | U        | 1000     | U         | 120,000    | U         | 120,000     | U         | 250,000   | U | 50,000  | U | 250,000 | U | 25,000 | U | 25,000     | U | 50,000 | U | --     |   |
| Ethylbenzene                                      |       | 100-41-4   | 5                                      | 50        | U         | 5          | U         | 10       | U        | 10       | U         | 1,200      | U         | 1,200       | U         | 2,500     | U | 500     | U | 2,500   | U | 250    | U | 250        | U | 500    | U | 2,000  | U |
| 2-Hexanone                                        |       | 591-78-6   | 50*                                    | 100       | U         | 10         | U         | 20       | U        | 20       | U         | 2,500      | U         | 2,500       | U         | 5,000     | U | 1000    | U | 5,000   | U | 500    | U | 500        | U | 1000   | U | 10,000 | U |
| Isopropylbenzene                                  |       | 98-82-8    | 5                                      | 50        | U         | 5          | U         | 10       | U        | 10       | U         | 1,200      | U         | 1,200       | U         | 2,500     | U | 500     | U | 2,500   | U | 250    | U | 250        | U | 500    | U | 2,000  | U |
| Methyl acetate                                    |       | 79-20-9    | NE                                     | 40        | U         | 4          | U         | 8        | U        | 8        | U         | 1000       | U         | 1000        | U         | 2,000     | U | 400     | U | 2,000   | U | 200    | U | 200        | U | 400    | U | 5,000  | U |
| Methyl ethyl ketone (2-Butanone)                  |       | 78-93-3    | 50*                                    | 100       | U         | 10         | U         | 20       | U        | 20       | U         | 2,500      | U         | 2,500       | U         | 5,000     | U | 1000    | U | 5,000   | U | 500    | U | 500        | U | 1000   | U | 20,000 | U |
| Methyl tert-butyl ether (MTBE)                    |       | 1634-04-4  | 10*                                    | 50        | U         | 5          | U         | 10       | U        | 10       | U         | 1,200      | U         | 1,200       | U         | 2,500     | U | 500     | U | 2,500   | U | 250    | U | 250        | U | 500    | U | 2,000  | U |
| 4-Methyl-2-pentanone (MIBK)                       |       | 108-10-1   | NE                                     | 100       | U         | 10         | U         | 20       | U        | 20       | U         | 2,500      | U         | 2,500       | U         | 5,000     | U | 1000    | U | 5,000   | U | 500    | U | 500        | U | 1000   | U | 10,000 | U |
| Methylcyclohexane                                 |       | 108-87-2   | NE                                     | 200       | U         | 20         | U         | 40       | U        | 40       | U         | 5,000      | U         | 5,000       | U         | 10,000    | U | 2,000   | U | 10,000  | U | 1000   | U | 1000       | U | 2,000  | U | 2,000  | U |
| Methylene chloride                                |       | 75-09-2    | 5                                      | 50        | U         | 5          | U         | 10       | U        | 10       | U         | 1,200      | U         | 1,200       | U         | 2,500     | U | 500     | U | 2,500   | U | 250    | U | 250        | U | 500    | U | 2,000  | U |
| Styrene                                           |       | 100-42-5   | 5                                      | 50        | U         | 5          | U         | 10       | U        | 10       | U         | 1,200      | U         | 1,200       | U         | 2,500     | U | 500     | U | 2,500   | U | 250    | U | 250        | U | 500    | U | 2,000  | U |
| 1,1,2,2-Tetrachloroethane                         |       | 79-34-5    | 5                                      | 10        | U         | 1          | U         | 2        | U        | 2        | U         | 250        | U         | 250         | U         | 500       | U | 100     | U | 500     | U | 50     | U | 50         | U | 100    | U | 2,000  | U |
| Tetrachloroethene (PCE)                           |       | 127-18-4   | 5                                      | 390       |           | 53         |           | 140      |          | 61       |           | 43,000     |           | 41,000      |           | 120,000   |   | 140,000 | J | 82,000  |   | 19,000 |   | 19,000     |   | 20,000 |   | 85,000 |   |
| Tetrahydrofuran                                   |       | 109-99-9   | 50*                                    | --        |           | --         |           | --       |          | --       |           | --         |           | --          |           | 1000      | U | --      |   | --      |   | --     |   | --         |   | --     |   | --     |   |
| Toluene                                           |       | 108-88-3   | 5                                      | 50        | U         | 5          | U         | 10       | U        | 10       | U         | 1,200      | U         | 1,200       | U         | 2,500     | U | 500     | U | 2,500   | U | 250    | U | 250        | U | 500    | U | 2,000  | 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         | 2,500     | U | 500     | U | 2,500   | U | 250    | U | 250        | U | 500    | U | 2,000  | U |
| 1,2,3-Trichlorobenzene                            |       | 87-61-6    | 5                                      | 2.5       | U         | 50         | U         | 5        | U        | 10       | U         | 10         | U         | 1,200       | U         | 1,200     | U | 2,500   | U | 2,500   | U | 250    | U | 250        | U | 250    | U | --     |   |
| 1,2,4-Trichlorobenzene                            |       | 120-82-1   | 5                                      | 50        | U         | 5          | U         | 10       | U        | 10       | U         | 1,200      |           |             |           |           |   |         |   |         |   |        |   |            |   |        |   |        |   |

**Table 4A. Historical Groundwater VOC Analysis Results**  
 UniFirst Corporation  
 Liverpool, NY  
 BCP Site No. 734152

| Analyte                                           | Units | Sample Name |         | MW41_G        | MW41          | MW41           | MW41 (DUP)   | MW41         | MW 41 (DUP)    | MW41           | MW41         | MW41         | MW41     | MW41 |
|---------------------------------------------------|-------|-------------|---------|---------------|---------------|----------------|--------------|--------------|----------------|----------------|--------------|--------------|----------|------|
|                                                   |       | Sample Date | CAS No. | 2/8/2023      | 7/6/2023      | 12/1/2023      | 12/1/2023    | 12/10/2024   | 12/10/2024     | 3/12/2025      | 6/17/2025    | 9/24/2025    | NYS AWQS |      |
| <b>Volatile Organic Compounds</b>                 | ug/L  |             |         |               |               |                |              |              |                |                |              |              |          |      |
| Acetone                                           |       | 67-64-1     | 50*     | 500 U         | 250 U         | 250 U          | 250 U        | 120 U        | 120 U          | 100 U          | 120 U        | 400 U        |          |      |
| Benzene                                           |       | 71-43-2     | 1       | 50 U          | 25 U          | 25 U           | 25 U         | 12 U         | 12 U           | 10 U           | 12 U         | 40 U         |          |      |
| Bromochloromethane                                |       | 74-97-5     | 5       | 250 U         | 120 U         | 120 U          | 120 U        | 62 U         | 62 U           | 50 U           | 62 U         | --           |          |      |
| Bromodichloromethane                              |       | 75-27-4     | 50*     | 50 U          | 25 U          | 25 U           | 25 U         | 12 U         | 12 U           | 10 U           | 12 U         | 40 U         |          |      |
| Bromofom                                          |       | 75-25-2     | 50*     | 200 U         | 100 U         | 100 U          | 100 U        | 50 U         | 50 U           | 40 U           | 50 U         | 40 U         |          |      |
| Bromomethane                                      |       | 74-83-9     | 5       | 250 U         | 120 U         | 120 U          | 120 U        | 62 U         | 62 U           | 50 U           | 62 U         | 40 U         |          |      |
| Carbon disulfide                                  |       | 75-15-0     | 60*     | 500 U         | 250 U         | 250 U          | 250 U        | 120 U        | 120 U          | 100 U          | 120 U        | 40 U         |          |      |
| Carbon tetrachloride                              |       | 56-23-5     | 5       | 50 U          | 25 U          | 25 U           | 25 U         | 12 U         | 12 U           | 10 U           | 12 U         | 40 U         |          |      |
| Chlorobenzene                                     |       | 108-90-7    | 5       | 250 U         | 120 U         | 120 U          | 120 U        | 62 U         | 62 U           | 50 U           | 62 U         | 40 U         |          |      |
| Chloroethane                                      |       | 75-00-3     | 5       | 250 U         | 120 U         | 120 U          | 120 U        | 62 U         | 62 U           | 50 U           | 62 U         | 40 U         |          |      |
| Chloroform (Trichloromethane)                     |       | 67-66-3     | 7       | 250 U         | 120 U         | 120 U          | 120 U        | 62 U         | 62 U           | 50 U           | 62 U         | 40 U         |          |      |
| Chloromethane                                     |       | 74-87-3     | 5       | 250 U         | 120 U         | 120 U          | 120 U        | 62 U         | 62 U           | 50 U           | 62 U         | 40 U         |          |      |
| Cyclohexane                                       |       | 110-82-7    | NE      | 1000 U        | 500 U         | 500 U          | 500 U        | 250 U        | 250 U          | 200 U          | 250 U        | 40 U         |          |      |
| 1,2-Dibromo-3-chloropropane                       |       | 96-12-8     | 0.04    | 250 U         | 120 U         | 120 U          | 120 U        | 62 U         | 62 U           | 50 U           | 62 U         | 40 U         |          |      |
| Dibromochloromethane                              |       | 124-48-1    | 50*     | 50 U          | 25 U          | 25 U           | 25 U         | 12 U         | 12 U           | 10 U           | 12 U         | 40 U         |          |      |
| 1,2-Dibromoethane (EDB)                           |       | 106-93-4    | 0.0006  | 200 U         | 100 U         | 100 U          | 100 U        | 50 U         | 50 U           | 40 U           | 50 U         | 40 U         |          |      |
| 1,2-Dichlorobenzene (o-DCB)                       |       | 95-50-1     | 3       | 250 U         | 120 U         | 120 U          | 120 U        | 62 U         | 62 U           | 50 U           | 62 U         | 40 U         |          |      |
| 1,3-Dichlorobenzene (m-DCB)                       |       | 541-73-1    | 3       | 250 U         | 120 U         | 120 U          | 120 U        | 62 U         | 62 U           | 50 U           | 62 U         | 40 U         |          |      |
| 1,4-Dichlorobenzene (p-DCB)                       |       | 106-46-7    | 3       | 250 U         | 120 U         | 120 U          | 120 U        | 62 U         | 62 U           | 50 U           | 62 U         | 40 U         |          |      |
| Dichlorodifluoromethane (Freon 12)                |       | 75-71-8     | 5       | 500 U         | 250 U         | 250 U          | 250 U        | 120 U        | 120 U          | 100 U          | 120 U        | 40 U         |          |      |
| 1,1-Dichloroethane                                |       | 75-34-3     | 5       | 250 U         | 120 U         | 120 U          | 120 U        | 62 U         | 62 U           | 50 U           | 62 U         | 40 U         |          |      |
| 1,2-Dichloroethane                                |       | 107-06-2    | 0.6     | 50 U          | 25 U          | 25 U           | 25 U         | 12 U         | 12 U           | 10 U           | 12 U         | 40 U         |          |      |
| 1,1-Dichloroethene                                |       | 75-35-4     | 5       | 50 U          | 25            | 29             | 26           | 23           | 26             | 24             | 15           | 36           | 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       |      |
| trans-1,2-Dichloroethene                          |       | 156-60-5    | 5       | 250 U         | 120 U         | 120 U          | 120 U        | 25 J         | 23 J           | 50             | 62 U         | 40 U         |          |      |
| 1,2-Dichloropropane                               |       | 78-87-5     | 1       | 100 U         | 50 U          | 50 U           | 50 U         | 25 U         | 25 U           | 20 U           | 25 U         | 40 U         |          |      |
| cis-1,3-Dichloropropene                           |       | 10061-01-5  | 0.4     | 50 U          | 25 U          | 25 U           | 25 U         | 12 U         | 12 U           | 10 U           | 12 U         | 40 U         |          |      |
| trans-1,3-Dichloropropene                         |       | 10061-02-6  | 0.4     | 50 U          | 25 U          | 25 U           | 25 U         | 12 U         | 12 U           | 10 U           | 12 U         | 40 U         |          |      |
| 1,4-Dioxane                                       |       | 123-91-1    | NE      | 25,000 U      | 12,000 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          | 120 U        | 62 U         | 62 U           | 50 U           | 62 U         | 40 U         |          |      |
| 2-Hexanone                                        |       | 591-78-6    | 50*     | 500 U         | 250 U         | 250 U          | 250 U        | 120 U        | 120 U          | 100 U          | 120 U        | 200 U        |          |      |
| Isopropylbenzene                                  |       | 98-82-8     | 5       | 250 U         | 120 U         | 120 U          | 120 U        | 62 U         | 62 U           | 50 U           | 62 U         | 40 U         |          |      |
| Methyl acetate                                    |       | 79-20-9     | NE      | 200 U         | 100 U         | 100 U          | 100 U        | 50 U         | 50 U           | 40 U           | 50 U         | 100 U        |          |      |
| Methyl ethyl ketone (2-Butanone)                  |       | 78-93-3     | 50*     | 500 U         | 250 U         | 250 U          | 250 U        | 120 U        | 120 U          | 100 U          | 120 U        | 400 U        |          |      |
| Methyl tert-butyl ether (MTBE)                    |       | 1634-04-4   | 10*     | 250 U         | 120 U         | 120 U          | 120 U        | 62 U         | 62 U           | 50 U           | 62 U         | 40 U         |          |      |
| 4-Methyl-2-pentanone (MIBK)                       |       | 108-10-1    | NE      | 500 U         | 250 U         | 250 U          | 250 U        | 120 U        | 120 U          | 100 U          | 120 U        | 200 U        |          |      |
| Methylcyclohexane                                 |       | 108-87-2    | NE      | 1000 U        | 500 U         | 500 U          | 500 U        | 250 U        | 250 U          | 200 U          | 250 U        | 40 U         |          |      |
| Methylene chloride                                |       | 75-09-2     | 5       | 250 U         | 120 U         | 120 U          | 120 U        | 62 U         | 62 U           | 50 U           | 62 U         | 40 U         |          |      |
| Styrene                                           |       | 100-42-5    | 5       | 250 U         | 120 U         | 120 U          | 120 U        | 62 U         | 62 U           | 50 U           | 62 U         | 40 U         |          |      |
| 1,1,2,2-Tetrachloroethane                         |       | 79-34-5     | 5       | 50 U          | 25 U          | 25 U           | 25 U         | 12 U         | 12 U           | 10 U           | 12 U         | 40 U         |          |      |
| Tetrachloroethene (PCE)                           |       | 127-18-4    | 5       | 5,800         | 7,700         | J 720          | 670          | 36           | 34             | 31             | 16           | 20           | J        |      |
| Tetrahydrofuran                                   |       | 109-99-9    | 50*     | --            | --            | 250 U          | 250 U        | --           | --             | --             | --           | --           |          |      |
| Toluene                                           |       | 108-88-3    | 5       | 250 U         | 120 U         | 120 U          | 120 U        | 62 U         | 62 U           | 50 U           | 62 U         | 40 U         |          |      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) |       | 76-13-1     | 5       | 250 U         | 120 U         | 120 U          | 120 U        | 62 U         | 62 U           | 50 U           | 62 U         | 40 U         |          |      |
| 1,2,3-Trichlorobenzene                            |       | 87-61-6     | 5       | 500 U         | 250 U         | 250 U          | 250 U        | 120 U        | 120 U          | 62 U           | 62 U         | 40 U         |          |      |
| 1,2,4-Trichlorobenzene                            |       | 120-82-1    | 5       | 250 U         | 120 U         | 120 U          | 120 U        | 62 U         | 62 U           | 50 U           | 62 U         | 40 U         |          |      |
| 1,1,1-Trichloroethane (TCA)                       |       | 71-55-6     | 5       | 250 U         | 120 U         | 120 U          | 120 U        | 62 U         | 62 U           | 50 U           | 62 U         | 40 U         |          |      |
| 1,1,2-Trichloroethane                             |       | 79-00-5     | 1       | 150 U         | 75 U          | 75 U           | 75 U         | 38 U         | 38 U           | 30 U           | 38 U         | 40 U         |          |      |
| Trichloroethene (TCE)                             |       | 79-01-6     | 5       | 720           | 2,000         | 2,200          | 1,900        | 70           | 78             | 28             | 12           | 40           |          |      |
| Trichlorofluoromethane (Freon 11)                 |       | 75-69-4     | 5       | 250 U         | 120 U         | 120 U          | 120 U        | 62 U         | 62 U           | 50 U           | 62 U         | 40 U         |          |      |
| Vinyl chloride                                    |       | 75-01-4     | 2       | 540           | 360           | 330            | 330          | 390          | 380            | 300            | 280          | 550          |          |      |
| o-Xylene                                          |       | 95-47-6     | 5       | 250 U         | 120 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          | 120 U        | 62 U         | 62 U           | 50 U           | 62 U         | --           |          |      |
| Total Xylene                                      |       |             |         | 250 U         | 120 U         | 120 U          | 120 U        | 62 U         | 62 U           | 50 U           | 62 U         | 80 U         |          |      |
| <b>Total VOCs</b>                                 |       | --          | NE      | <b>15,560</b> | <b>13,685</b> | <b>J 9,979</b> | <b>8,926</b> | <b>3,744</b> | <b>J 3,741</b> | <b>J 3,283</b> | <b>2,323</b> | <b>4,406</b> | <b>J</b> |      |

**Table 4A. Historical Groundwater VOC Analysis Results**  
**UniFirst Corporation**  
**Liverpool, NY**  
**BCP Site No. 734152**

| Analyte                                           | Units | CAS No.     | Sample Name<br>Sample Date<br>NYS AWQS | MW5S      |          | MW5S       |            | MW5S      |           | MW5S      |   | MW5S     |   | MW5S  |   |          |   |
|---------------------------------------------------|-------|-------------|----------------------------------------|-----------|----------|------------|------------|-----------|-----------|-----------|---|----------|---|-------|---|----------|---|
|                                                   |       |             |                                        | 2/21/2023 | 7/5/2023 | 11/29/2023 | 12/10/2024 | 3/12/2025 | 6/17/2025 | 9/24/2025 |   |          |   |       |   |          |   |
| <b>Volatile Organic Compounds</b>                 | ug/L  |             |                                        |           |          |            |            |           |           |           |   |          |   |       |   |          |   |
| Acetone                                           |       | 67-64-1     | 50*                                    | 20        | U        | 25         | U          | 25        | U         | 25        | U | 94       |   | 61    |   | 86       | J |
| Benzene                                           |       | 71-43-2     | 1                                      | 72        |          | 41         |            | 19        |           | 14        |   | 22       |   | 22    |   | 18       |   |
| 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 |
| Bromofom                                          |       | 75-25-2     | 50*                                    | 8         | U        | 10         | U          | 10        | U         | 10        | U | 10       | U | 8     | U | 10       | U |
| Bromomethane                                      |       | 74-83-9     | 5                                      | 10        | U        | 12         | U          | 12        | U         | 12        | U | 12       | U | 10    | U | 10       | U |
| Carbon disulfide                                  |       | 75-15-0     | 60*                                    | 20        | U        | 25         | U          | 25        | U         | 25        | U | 25       | U | 20    | U | 10       | 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 |
| Chlorobenzene                                     |       | 108-90-7    | 5                                      | 10        | U        | 12         | U          | 12        | U         | 12        | U | 12       | U | 10    | U | 10       | U |
| Chloroethane                                      |       | 75-00-3     | 5                                      | 10        | U        | 12         | U          | 12        | U         | 12        | U | 12       | U | 10    | U | 10       | U |
| Chloroform (Trichloromethane)                     |       | 67-66-3     | 7                                      | 10        | U        | 12         | U          | 12        | U         | 12        | U | 12       | U | 10    | U | 10       | U |
| Chloromethane                                     |       | 74-87-3     | 5                                      | 10        | U        | 12         | U          | 12        | U         | 12        | U | 12       | U | 10    | U | 10       | U |
| Cyclohexane                                       |       | 110-82-7    | NE                                     | 230       |          | 270        |            | 200       |           | 120       |   | 200      |   | 200   |   | 370      |   |
| 1,2-Dibromo-3-chloropropane                       |       | 96-12-8     | 0.04                                   | 10        | U        | 12         | U          | 12        | U         | 12        | U | 12       | U | 10    | U | 10       | U |
| Dibromochloromethane                              |       | 124-48-1    | 50*                                    | 2         | U        | 2.5        | U          | 2.5       | U         | 2.5       | U | 2.5      | U | 2     | U | 10       | U |
| 1,2-Dibromoethane (EDB)                           |       | 106-93-4    | 0.0006                                 | 8         | U        | 10         | U          | 10        | U         | 10        | U | 10       | U | 8     | U | 10       | U |
| 1,2-Dichlorobenzene (o-DCB)                       |       | 95-50-1     | 3                                      | 10        | U        | 12         | U          | 12        | U         | 12        | U | 12       | U | 10    | U | 10       | U |
| 1,3-Dichlorobenzene (m-DCB)                       |       | 541-73-1    | 3                                      | 10        | U        | 12         | U          | 12        | U         | 12        | U | 12       | U | 10    | U | 10       | U |
| 1,4-Dichlorobenzene (p-DCB)                       |       | 106-46-7    | 3                                      | 10        | U        | 12         | U          | 12        | U         | 12        | U | 12       | U | 10    | U | 10       | U |
| Dichlorodifluoromethane (Freon 12)                |       | 75-71-8     | 5                                      | 20        | U        | 25         | U          | 25        | U         | 25        | U | 25       | U | 20    | U | 10       | U |
| 1,1-Dichloroethane                                |       | 75-34-3     | 5                                      | 10        | U        | 12         | U          | 12        | U         | 12        | U | 12       | U | 10    | U | 10       | 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 |
| 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 |
| cis-1,2-Dichloroethene                            |       | 156-59-2    | 5                                      | 10        | U        | 12         | U          | 12        | U         | 12        | U | 12       | U | 10    | U | 10       | U |
| trans-1,2-Dichloroethene                          |       | 156-60-5    | 5                                      | 10        | U        | 12         | U          | 12        | U         | 12        | U | 12       | U | 10    | U | 10       | U |
| 1,2-Dichloropropane                               |       | 78-87-5     | 1                                      | 4         | U        | 5          | U          | 5         | U         | 5         | U | 5        | U | 4     | U | 10       | 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 |
| 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 |
| 1,4-Dioxane                                       |       | 123-91-1    | NE                                     | 1000      | U        | 1,200      | U          | 1,200     | U         | 1,200     | U | 1,200    | U | 1000  | U | --       |   |
| Ethylbenzene                                      |       | 100-41-4    | 5                                      | 500       |          | 780        |            | 600       |           | 380       |   | 560      |   | 370   |   | 260      |   |
| 2-Hexanone                                        |       | 591-78-6    | 50*                                    | 20        | U        | 25         | U          | 25        | U         | 25        | U | 25       | U | 20    | U | 50       | U |
| Isopropylbenzene                                  |       | 98-82-8     | 5                                      | 54        |          | 100        |            | 96        |           | 85        |   | 120      |   | 89    |   | 110      |   |
| Methyl acetate                                    |       | 79-20-9     | NE                                     | 8         | U        | 10         | U          | 10        | U         | 10        | U | 10       | U | 8     | U | 25       | U |
| Methyl ethyl ketone (2-Butanone)                  |       | 78-93-3     | 50*                                    | 20        | U        | 25         | U          | 25        | U         | 25        | U | 25       | U | 20    | U | 34       | J |
| Methyl tert-butyl ether (MTBE)                    |       | 1634-04-4   | 10*                                    | 10        | U        | 12         | U          | 12        | U         | 12        | U | 12       | U | 10    | U | 10       | U |
| 4-Methyl-2-pentanone (MIBK)                       |       | 108-10-1    | NE                                     | 20        | U        | 25         | U          | 25        | U         | 25        | U | 25       | U | 20    | U | 50       | U |
| Methylcyclohexane                                 |       | 108-87-2    | NE                                     | 160       |          | 180        |            | 120       |           | 76        |   | 110      |   | 98    |   | 150      |   |
| Methylene chloride                                |       | 75-09-2     | 5                                      | 10        | U        | 12         | U          | 12        | U         | 12        | U | 4.9      | J | 3     | J | 10       | U |
| Styrene                                           |       | 100-42-5    | 5                                      | 10        | U        | 12         | U          | 12        | U         | 12        | U | 12       | U | 10    | U | 10       | 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 |
| Tetrachloroethene (PCE)                           |       | 127-18-4    | 5                                      | 2         | U        | 2.5        | U          | 2.5       | U         | 2.5       | U | 2.5      | U | 2     | U | 10       | 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 |
| 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 |
| 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 |
| 1,1,1-Trichloroethane (TCA)                       |       | 71-55-6     | 5                                      | 10        | U        | 12         | U          | 12        | U         | 12        | U | 12       | U | 10    | U | 10       | 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 |
| Trichloroethene (TCE)                             |       | 79-01-6     | 5                                      | 2         | U        | 2.5        | U          | 2.5       | U         | 2.5       | U | 2.5      | U | 2     | U | 10       | U |
| Trichlorofluoromethane (Freon 11)                 |       | 75-69-4     | 5                                      | 10        | U        | 12         | U          | 12        | U         | 12        | U | 12       | U | 10    | U | 10       | U |
| Vinyl chloride                                    |       | 75-01-4     | 2                                      | 2         | J        | 0.58       | J          | 5         | U         | 5         | U | 5        | U | 2.4   | J | 10       | 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       |   |
| 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 |

**Table 4A. Historical Groundwater VOC Analysis Results**  
**UniFirst Corporation**  
**Liverpool, NY**  
**BCP Site No. 734152**

| Analyte                                           | Units | Sample Name |             | MW5I      | MW5I     | MW5I       | MW5I       | MW5I      | MW5I      | MW5I      | MW5I     | MW5I |   |     |   |
|---------------------------------------------------|-------|-------------|-------------|-----------|----------|------------|------------|-----------|-----------|-----------|----------|------|---|-----|---|
|                                                   |       | CAS No.     | Sample Date | 2/21/2023 | 7/5/2023 | 11/29/2023 | 12/10/2024 | 3/12/2025 | 6/17/2025 | 9/24/2025 | NYS AWQS |      |   |     |   |
| <b>Volatile Organic Compounds</b>                 | ug/L  |             |             |           |          |            |            |           |           |           |          |      |   |     |   |
| Acetone                                           |       | 67-64-1     | 50*         | 5         | U        | 5          | U          | 5         | U         | 5         | U        | 2.2  | J | 10  | U |
| Benzene                                           |       | 71-43-2     | 1           | 0.5       | U        | 0.5        | U          | 0.5       | U         | 0.5       | U        | 0.5  | U | 1   | U |
| Bromochloromethane                                |       | 74-97-5     | 5           | 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 | 1   | U |
| Bromoform                                         |       | 75-25-2     | 50*         | 2         | UJ       | 2          | UJ         | 2         | U         | 2         | U        | 2    | U | 1   | U |
| Bromomethane                                      |       | 74-83-9     | 5           | 2.5       | U        | 2.5        | U          | 2.5       | U         | 2.5       | U        | 2.5  | U | 1   | U |
| Carbon disulfide                                  |       | 75-15-0     | 60*         | 5         | U        | 5          | U          | 5         | U         | 5         | U        | 5    | U | 1   | U |
| Carbon tetrachloride                              |       | 56-23-5     | 5           | 0.5       | U        | 0.5        | U          | 0.5       | U         | 0.5       | U        | 0.5  | U | 1   | U |
| Chlorobenzene                                     |       | 108-90-7    | 5           | 2.5       | U        | 2.5        | U          | 2.5       | U         | 2.5       | U        | 2.5  | U | 1   | U |
| Chloroethane                                      |       | 75-00-3     | 5           | 2.5       | U        | 2.5        | U          | 2.5       | U         | 2.5       | U        | 2.5  | U | 1   | U |
| Chloroform (Trichloromethane)                     |       | 67-66-3     | 7           | 2.5       | U        | 2.5        | U          | 2.5       | U         | 2.5       | U        | 2.5  | U | 1   | U |
| Chloromethane                                     |       | 74-87-3     | 5           | 2.5       | U        | 2.5        | U          | 2.5       | UJ        | 2.5       | U        | 2.5  | U | 1   | U |
| Cyclohexane                                       |       | 110-82-7    | NE          | 1.4       | J        | 0.38       | J          | 10        | U         | 10        | U        | 10   | 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 | 1   | U |
| Dibromochloromethane                              |       | 124-48-1    | 50*         | 0.5       | U        | 0.5        | UJ         | 0.5       | U         | 0.5       | U        | 0.5  | U | 1   | U |
| 1,2-Dibromoethane (EDB)                           |       | 106-93-4    | 0.0006      | 2         | U        | 2          | U          | 2         | U         | 2         | U        | 2    | 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 | 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 | 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 | 1   | U |
| Dichlorodifluoromethane (Freon 12)                |       | 75-71-8     | 5           | 5         | U        | 5          | U          | 5         | U         | 5         | U        | 5    | 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 | 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 | 1   | U |
| 1,1-Dichloroethene                                |       | 75-35-4     | 5           | 0.5       | U        | 0.5        | U          | 0.5       | U         | 0.5       | U        | 0.5  | 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 | 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 | 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        | 0.5  | 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 | 1   | U |
| 1,4-Dioxane                                       |       | 123-91-1    | NE          | 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 | 1   | U |
| 2-Hexanone                                        |       | 591-78-6    | 50*         | 5         | U        | 5          | U          | 5         | UJ        | 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 | 1   | U |
| Methyl acetate                                    |       | 79-20-9     | NE          | 2         | U        | 2          | U          | 2         | UJ        | 2         | U        | 2    | U | 2.5 | U |
| Methyl ethyl ketone (2-Butanone)                  |       | 78-93-3     | 50*         | 5         | U        | 5          | U          | 5         | U         | 5         | U        | 5    | 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 | 1   | U |
| 4-Methyl-2-pentanone (MIBK)                       |       | 108-10-1    | NE          | 5         | U        | 5          | U          | 5         | UJ        | 5         | U        | 5    | U | 5   | U |
| Methylcyclohexane                                 |       | 108-87-2    | NE          | 2.2       | J        | 0.65       | J          | 0.4       | J         | 10        | U        | 10   | U | 1   | U |
| Methylene chloride                                |       | 75-09-2     | 5           | 2.5       | U        | 2.5        | U          | 2.5       | U         | 2.5       | U        | 2.5  | U | 1   | U |
| Styrene                                           |       | 100-42-5    | 5           | 2.5       | U        | 2.5        | U          | 2.5       | U         | 2.5       | U        | 2.5  | 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 | 1   | U |
| Tetrachloroethene (PCE)                           |       | 127-18-4    | 5           | 0.3       | J        | 0.5        | U          | 0.5       | U         | 0.5       | U        | 0.5  | 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 | 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 | 1   | U |
| 1,2,3-Trichlorobenzene                            |       | 87-61-6     | 5           | 10        | 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 | 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 | 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   | U |
| Trichloroethene (TCE)                             |       | 79-01-6     | 5           | 0.5       | U        | 0.5        | U          | 0.5       | U         | 0.5       | U        | 0.5  | 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 | 1   | U |
| Vinyl chloride                                    |       | 75-01-4     | 2           | 1         | U        | 1          | U          | 1         | U         | 1         | U        | 1.1  |   | 1   | U |
| o-Xylene                                          |       | 95-47-6     | 5           | 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 | --  |   |
| Total Xylene                                      |       |             |             | 2.5       | U        | 2.5        | U          | 2.5       | U         | 2.5       | U        | 2.5  | U | 2   | U |
| Total VOCs                                        |       | --          | NE          | 5.3       | J        | 1.03       | J          | 0.4       | J         | ND        |          | ND   |   | 3.3 | J |

**Table 4A. Historical Groundwater VOC Analysis Results**  
 UniFirst Corporation  
 Liverpool, NY  
 BCP Site No. 734152

| Analyte                                           | Units | CAS No.     | Sample Name<br>Sample Date<br>NYS AWQS | MW6        |           | MW6       |           | MW6       |            | MW6       |           | MW7       |           | MW7 |   | MW7 |   | MW7 |   |      |   |    |
|---------------------------------------------------|-------|-------------|----------------------------------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----|---|-----|---|-----|---|------|---|----|
|                                                   |       |             |                                        | 11/28/2023 | 12/9/2024 | 3/11/2025 | 6/16/2025 | 9/23/2025 | 11/28/2023 | 12/9/2024 | 3/11/2025 | 6/16/2025 | 9/23/2025 |     |   |     |   |     |   |      |   |    |
| <b>Volatile Organic Compounds</b>                 | ug/L  |             |                                        |            |           |           |           |           |            |           |           |           |           |     |   |     |   |     |   |      |   |    |
| Acetone                                           |       | 67-64-1     | 50*                                    | 5          | U         | 5         | U         | 5         | U          | 5         | U         | 10        | U         | 5   | U | 5   | U | 4.9 | J | 10   | U |    |
| Benzene                                           |       | 71-43-2     | 1                                      | 0.5        | U         | 0.5       | U         | 0.5       | U          | 0.5       | U         | 1         | U         | 0.5 | U | 0.5 | U | 0.5 | 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 | 2.5 | U | --   |   |    |
| Bromodichloromethane                              |       | 75-27-4     | 50*                                    | 0.5        | U         | 0.5       | U         | 0.5       | U          | 0.5       | U         | 1         | U         | 0.5 | U | 0.5 | U | 0.5 | U | 1    | U |    |
| Bromoform                                         |       | 75-25-2     | 50*                                    | 2          | U         | 2         | U         | 2         | U          | 2         | U         | 1         | U         | 2   | U | 2   | U | 2   | U | 1    | U |    |
| Bromomethane                                      |       | 74-83-9     | 5                                      | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5       | U         | 1         | U         | 2.5 | U | 2.5 | U | 2.5 | U | 1    | U |    |
| Carbon disulfide                                  |       | 75-15-0     | 60*                                    | 5          | U         | 5         | U         | 5         | U          | 5         | U         | 1         | U         | 5   | U | 5   | U | 5   | U | 1    | U |    |
| Carbon tetrachloride                              |       | 56-23-5     | 5                                      | 0.5        | U         | 0.5       | U         | 0.5       | U          | 0.5       | U         | 1         | U         | 0.5 | U | 0.5 | U | 0.5 | U | 1    | U |    |
| Chlorobenzene                                     |       | 108-90-7    | 5                                      | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5       | U         | 1         | U         | 2.5 | U | 2.5 | U | 2.5 | U | 1    | U |    |
| Chloroethane                                      |       | 75-00-3     | 5                                      | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5       | U         | 1         | U         | 2.5 | U | 2.5 | U | 2.5 | U | 1    | U |    |
| Chloroform (Trichloromethane)                     |       | 67-66-3     | 7                                      | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5       | U         | 1         | U         | 2.5 | U | 2.5 | U | 2.5 | U | 1    | U |    |
| Chloromethane                                     |       | 74-87-3     | 5                                      | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5       | U         | 1         | U         | 2.5 | U | 2.5 | U | 2.5 | U | 1    | U |    |
| Cyclohexane                                       |       | 110-82-7    | NE                                     | 10         | U         | 10        | U         | 10        | U          | 10        | U         | 1         | U         | 10  | U | 10  | U | 10  | 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         | 2.5 | U | 2.5 | U | 2.5 | U | 1    | U |    |
| Dibromochloromethane                              |       | 124-48-1    | 50*                                    | 0.5        | U         | 0.5       | U         | 0.5       | U          | 0.5       | U         | 1         | U         | 0.5 | U | 0.5 | U | 0.5 | U | 1    | U |    |
| 1,2-Dibromoethane (EDB)                           |       | 106-93-4    | 0.0006                                 | 2          | U         | 2         | U         | 2         | U          | 2         | U         | 1         | U         | 2   | U | 2   | U | 2   | 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         | 2.5 | U | 2.5 | U | 2.5 | 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         | 2.5 | U | 2.5 | U | 2.5 | 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         | 2.5 | U | 2.5 | U | 2.5 | U | 1    | U |    |
| Dichlorodifluoromethane (Freon 12)                |       | 75-71-8     | 5                                      | 5          | U         | 5         | U         | 5         | U          | 5         | U         | 1         | U         | 5   | U | 5   | U | 5   | U | 1    | U |    |
| 1,1-Dichloroethane                                |       | 75-34-3     | 5                                      | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5       | U         | 1         | U         | 2.5 | U | 2.5 | U | 2.5 | 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         | 0.5 | U | 0.5 | U | 0.5 | U | 1    | U |    |
| 1,1-Dichloroethene                                |       | 75-35-4     | 5                                      | 0.5        | U         | 0.5       | U         | 0.5       | U          | 0.5       | U         | 1         | U         | 0.5 | U | 0.5 | U | 0.5 | 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         | 2.5 | U | 2.5 | U | 2.5 | 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         | 2.5 | U | 2.5 | U | 2.5 | 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 | 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         | 0.5 | U | 0.5 | U | 0.5 | 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         | 0.5 | U | 0.5 | U | 0.5 | U | 1    | U |    |
| 1,4-Dioxane                                       |       | 123-91-1    | NE                                     | 250        | U         | 250       | U         | 250       | U          | 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         | 2.5 | U | 2.5 | U | 2.5 | 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 | 5    | U |    |
| Isopropylbenzene                                  |       | 98-82-8     | 5                                      | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5       | U         | 1         | U         | 2.5 | U | 2.5 | U | 2.5 | U | 1    | U |    |
| Methyl acetate                                    |       | 79-20-9     | NE                                     | 2          | U         | 2         | U         | 2         | U          | 2         | U         | 2.5       | U         | 2   | U | 2   | U | 2   | U | 2.5  | U |    |
| Methyl ethyl ketone (2-Butanone)                  |       | 78-93-3     | 50*                                    | 5          | U         | 5         | U         | 5         | U          | 5         | U         | 10        | U         | 5   | U | 5   | U | 5   | 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         | 2.5 | U | 2.5 | U | 2.5 | 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 | 5    | U |    |
| Methylcyclohexane                                 |       | 108-87-2    | NE                                     | 10         | U         | 10        | U         | 10        | U          | 10        | U         | 1         | U         | 10  | U | 10  | U | 10  | U | 1    | U |    |
| Methylene chloride                                |       | 75-09-2     | 5                                      | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5       | U         | 1         | U         | 2.5 | U | 2.5 | U | 2.5 | U | 1    | U |    |
| Styrene                                           |       | 100-42-5    | 5                                      | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5       | U         | 1         | U         | 2.5 | U | 2.5 | U | 2.5 | 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         | 0.5 | U | 0.5 | U | 0.5 | U | 1    | U |    |
| Tetrachloroethene (PCE)                           |       | 127-18-4    | 5                                      | 0.5        | U         | 0.5       | U         | 0.5       | U          | 0.5       | U         | 1         | U         | 0.5 | U | 0.5 | U | 0.5 | U | 1    | U |    |
| Tetrahydrofuran                                   |       | 109-99-9    | 50*                                    | 5          | U         | --        |           | --        |            | --        |           | 5         | U         | --  |   | --  |   | --  |   | --   |   |    |
| Toluene                                           |       | 108-88-3    | 5                                      | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5       | U         | 1         | U         | 2.5 | U | 2.5 | U | 2.5 | 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         | 2.5 | U | 2.5 | U | 2.5 | U | 1    | U |    |
| 1,2,3-Trichlorobenzene                            |       | 87-61-6     | 5                                      | 2.5        | U         | 2.5       | 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         | 1         | U         | 2.5 | U | 2.5 | U | 2.5 | 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         | 2.5 | U | 2.5 | U | 2.5 | 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         | 1.5 | U | 1.5 | U | 1.5 | U | 1    | U |    |
| Trichloroethene (TCE)                             |       | 79-01-6     | 5                                      | 0.5        | U         | 0.5       | U         | 0.5       | U          | 0.5       | U         | 1         | U         | 0.5 | U | 0.5 | U | 0.5 | U | 1    | U |    |
| Trichlorofluoromethane (Freon 11)                 |       | 75-69-4     | 5                                      | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5       | U         | 1         | U         | 2.5 | U | 2.5 | U | 2.5 | U | 1    | U |    |
| Vinyl chloride                                    |       | 75-01-4     | 2                                      | 1          | U         | 1         | U         | 1         | U          | 1         | U         | 4.7       |           | 15  |   | 12  |   | 15  |   | 13   |   |    |
| o-Xylene                                          |       | 95-47-6     | 5                                      | 2.5        | U         | 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 | 2.5 | U | --   |   |    |
| Total Xylene                                      |       |             |                                        | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5       | U         | 2         | U         | 2.5 | U | 2.5 | U | 2.5 | U | 2    | U |    |
| <b>Total VOCs</b>                                 |       | --          | NE                                     | ND         |           | ND        |           | ND        |            | 4.1       |           | ND        |           | 4.7 |   | 15  |   | 12  |   | 19.9 | J | 13 |

**Table 4A. Historical Groundwater VOC Analysis Results**  
 UniFirst Corporation  
 Liverpool, NY  
 BCP Site No. 734152

| Analyte                                           | Units | CAS No.     | Sample Name<br>Sample Date<br>NYS AWQS | MW8        |           | MW8       |           | MW8       |            | MW8        |           | MW8       |           | MW11 |   | MW11 |   | MW11 |   | MW11 |   |     |   |
|---------------------------------------------------|-------|-------------|----------------------------------------|------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|------|---|------|---|------|---|------|---|-----|---|
|                                                   |       |             |                                        | 11/29/2023 | 12/9/2024 | 3/11/2025 | 6/16/2025 | 9/24/2025 | 11/29/2023 | 12/11/2024 | 3/11/2025 | 6/16/2025 | 9/24/2025 |      |   |      |   |      |   |      |   |     |   |
| <b>Volatile Organic Compounds</b>                 | ug/L  |             |                                        |            |           |           |           |           |            |            |           |           |           |      |   |      |   |      |   |      |   |     |   |
| Acetone                                           |       | 67-64-1     | 50*                                    | 5          | U         | 2.2       | J         | 3.9       | J          | 8.1        | J         | 3.5       | J         | 5    | U | 5    | U | 5    | U | 1.9  | J | 10  | U |
| Benzene                                           |       | 71-43-2     | 1                                      | 0.5        | U         | 0.5       | U         | 0.5       | U          | 0.5        | U         | 1         | U         | 0.5  | U | 0.5  | U | 0.5  | U | 0.5  | U | 1   | U |
| Bromochloromethane                                |       | 74-97-5     | 5                                      | 2.5        | U         | 2.5       | U         | 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         | 1         | U         | 0.5  | U | 0.5  | U | 0.5  | U | 0.5  | U | 1   | U |
| Bromofom                                          |       | 75-25-2     | 50*                                    | 2          | U         | 2         | U         | 2         | U          | 2          | U         | 1         | U         | 2    | U | 2    | U | 2    | U | 2    | U | 1   | U |
| Bromomethane                                      |       | 74-83-9     | 5                                      | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5        | U         | 1         | U         | 2.5  | U | 2.5  | U | 2.5  | U | 2.5  | U | 1   | U |
| Carbon disulfide                                  |       | 75-15-0     | 60*                                    | 5          | U         | 5         | U         | 5         | U          | 5          | U         | 1         | U         | 5    | U | 5    | U | 5    | U | 5    | U | 1   | U |
| Carbon tetrachloride                              |       | 56-23-5     | 5                                      | 0.5        | U         | 0.5       | U         | 0.5       | U          | 0.5        | U         | 1         | U         | 0.5  | U | 0.5  | U | 0.5  | U | 0.5  | U | 1   | U |
| Chlorobenzene                                     |       | 108-90-7    | 5                                      | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5        | U         | 1         | U         | 2.5  | U | 2.5  | U | 2.5  | U | 2.5  | U | 1   | U |
| Chloroethane                                      |       | 75-00-3     | 5                                      | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5        | U         | 1         | U         | 2.5  | U | 2.5  | U | 2.5  | U | 2.5  | U | 1   | U |
| Chloroform (Trichloromethane)                     |       | 67-66-3     | 7                                      | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5        | U         | 1         | U         | 2.5  | U | 2.5  | U | 2.5  | U | 2.5  | U | 1   | U |
| Chloromethane                                     |       | 74-87-3     | 5                                      | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5        | U         | 1         | U         | 2.5  | U | 2.5  | U | 2.5  | U | 2.5  | U | 1   | U |
| Cyclohexane                                       |       | 110-82-7    | NE                                     | 10         | U         | 10        | U         | 10        | U          | 10         | U         | 1         | U         | 10   | U | 10   | U | 10   | U | 10   | 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         | 2.5  | U | 2.5  | U | 2.5  | U | 2.5  | U | 1   | U |
| Dibromochloromethane                              |       | 124-48-1    | 50*                                    | 0.5        | U         | 0.5       | U         | 0.5       | U          | 0.5        | U         | 1         | U         | 0.5  | U | 0.5  | U | 0.5  | U | 0.5  | U | 1   | U |
| 1,2-Dibromoethane (EDB)                           |       | 106-93-4    | 0.0006                                 | 2          | U         | 2         | U         | 2         | U          | 2          | U         | 1         | U         | 2    | U | 2    | U | 2    | U | 2    | 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         | 2.5  | U | 2.5  | U | 2.5  | U | 2.5  | 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         | 2.5  | U | 2.5  | U | 2.5  | U | 2.5  | 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         | 2.5  | U | 2.5  | U | 2.5  | U | 2.5  | U | 1   | U |
| Dichlorodifluoromethane (Freon 12)                |       | 75-71-8     | 5                                      | 5          | U         | 5         | U         | 5         | U          | 5          | U         | 1         | U         | 5    | U | 5    | U | 5    | U | 5    | U | 1   | U |
| 1,1-Dichloroethane                                |       | 75-34-3     | 5                                      | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5        | U         | 1         | U         | 2.5  | U | 2.5  | U | 2.5  | U | 2.5  | U | 1   | U |
| 1,2-Dichloroethane                                |       | 107-06-2    | 0.6                                    | 0.5        | U         | 0.5       | U         | 0.5       | U          | 0.5        | U         | 1         | U         | 0.5  | U | 0.5  | U | 0.5  | U | 0.5  | U | 1   | U |
| 1,1-Dichloroethene                                |       | 75-35-4     | 5                                      | 0.5        | U         | 0.5       | U         | 0.5       | U          | 0.5        | U         | 1         | U         | 0.5  | U | 0.5  | U | 0.5  | U | 0.5  | U | 1   | U |
| cis-1,2-Dichloroethene                            |       | 156-59-2    | 5                                      | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5        | U         | 1         | U         | 2.5  | U | 2.5  | U | 2.5  | U | 2.5  | U | 1   | U |
| trans-1,2-Dichloroethene                          |       | 156-60-5    | 5                                      | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5        | U         | 1         | U         | 2.5  | U | 2.5  | U | 2.5  | U | 2.5  | U | 1   | U |
| 1,2-Dichloropropane                               |       | 78-87-5     | 1                                      | 1          | U         | 1         | U         | 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         | 1         | U         | 0.5  | U | 0.5  | U | 0.5  | U | 0.5  | 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         | 0.5  | U | 0.5  | U | 0.5  | U | 0.5  | U | 1   | U |
| 1,4-Dioxane                                       |       | 123-91-1    | NE                                     | 250        | U         | 250       | U         | 250       | U          | 250        | U         | --        |           | 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         | 2.5  | U | 2.5  | U | 2.5  | U | 2.5  | 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 | 5    | U | 5   | U |
| Isopropylbenzene                                  |       | 98-82-8     | 5                                      | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5        | U         | 1         | U         | 2.5  | U | 2.5  | U | 2.5  | U | 2.5  | U | 1   | U |
| Methyl acetate                                    |       | 79-20-9     | NE                                     | 2          | U         | 2         | U         | 2         | U          | 2          | U         | 2.5       | U         | 2    | U | 2    | U | 2    | U | 2    | U | 2.5 | U |
| Methyl ethyl ketone (2-Butanone)                  |       | 78-93-3     | 50*                                    | 5          | U         | 5         | U         | 5         | U          | 5          | U         | 10        | U         | 5    | U | 5    | U | 5    | U | 5    | U | 10  | U |
| Methyl tert-butyl ether (MTBE)                    |       | 1634-04-4   | 10*                                    | 2.5        | U         | 0.34      | J         | 0.2       | J          | 0.31       | J         | 1         | U         | 2.5  | U | 0.28 | J | 2.5  | U | 2.5  | 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 | 5    | U | 5   | U |
| Methylcyclohexane                                 |       | 108-87-2    | NE                                     | 10         | U         | 10        | U         | 10        | U          | 10         | U         | 1         | U         | 10   | U | 10   | U | 10   | U | 10   | U | 1   | U |
| Methylene chloride                                |       | 75-09-2     | 5                                      | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5        | U         | 1         | U         | 2.5  | U | 2.5  | U | 2.5  | U | 2.5  | U | 1   | U |
| Styrene                                           |       | 100-42-5    | 5                                      | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5        | U         | 1         | U         | 2.5  | U | 2.5  | U | 2.5  | U | 2.5  | U | 1   | U |
| 1,1,2,2-Tetrachloroethane                         |       | 79-34-5     | 5                                      | 0.5        | U         | 0.5       | U         | 0.5       | U          | 0.5        | U         | 1         | U         | 0.5  | U | 0.5  | U | 0.5  | U | 0.5  | U | 1   | U |
| Tetrachloroethene (PCE)                           |       | 127-18-4    | 5                                      | 0.5        | U         | 0.5       | U         | 0.5       | U          | 0.5        | U         | 1         | U         | 0.5  | U | 0.5  | U | 0.5  | U | 0.5  | U | 1   | 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         | 2.5  | U | 2.5  | U | 2.5  | U | 2.5  | 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         | 2.5  | U | 2.5  | U | 2.5  | U | 2.5  | U | 1   | U |
| 1,2,3-Trichlorobenzene                            |       | 87-61-6     | 5                                      | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5        | U         | --        |           | 2.5  | U | 2.5  | U | 2.5  | U | 2.5  | U | --  |   |
| 1,2,4-Trichlorobenzene                            |       | 120-82-1    | 5                                      | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5        | U         | 1         | U         | 2.5  | U | 2.5  | U | 2.5  | U | 2.5  | U | 1   | U |
| 1,1,1-Trichloroethane (TCA)                       |       | 71-55-6     | 5                                      | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5        | U         | 1         | U         | 2.5  | U | 2.5  | U | 2.5  | U | 2.5  | U | 1   | U |
| 1,1,2-Trichloroethane                             |       | 79-00-5     | 1                                      | 1.5        | U         | 1.5       | U         | 1.5       | U          | 1.5        | U         | 1         | U         | 1.5  | U | 1.5  | U | 1.5  | U | 1.5  | U | 1   | U |
| Trichloroethene (TCE)                             |       | 79-01-6     | 5                                      | 0.5        | U         | 0.5       | U         | 0.5       | U          | 0.5        | U         | 1         | U         | 0.27 | J | 0.5  | U | 0.5  | U | 0.5  | U | 1   | U |
| Trichlorofluoromethane (Freon 11)                 |       | 75-69-4     | 5                                      | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5        | U         | 1         | U         | 2.5  | U | 2.5  | U | 2.5  | U | 2.5  | U | 1   | U |
| Vinyl chloride                                    |       | 75-01-4     | 2                                      | 1          | U         | 0.21      | J         | 0.11      | J          | 0.43       | J         | 1         | U         | 0.34 | J | 0.36 | J | 0.14 | J | 2.6  | J | 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 | 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 | 2.5  | U | 2.5  | U | --  |   |
| Total Xylene                                      |       |             |                                        | 2.5        | U         | 2.5       | U         | 2.5       | U          | 2.5        | U         | 2         | U         | 2.5  | U | 2.5  | U | 2.5  | U | 2.5  | U | 2   | U |
| Total VOCs                                        |       | --          | NE                                     | ND         |           | 2.75      | J         | 4.21      | J          | 8.84       | J         | 3.5       |           | 0.61 | J | 0.64 | J | 0.14 | J | 4.5  | J | ND  |   |

Table 4A. Historical Groundwater VOC Analysis Results

UniFirst Corporation  
 Liverpool, NY  
 BCP Site No. 734152

| Analyte                                           | Units | CAS No.     | Sample Name<br>Sample Date<br>NYS AWQS | MW12S      | MW12S      | MW12S     | MW12S     | MW12S     |
|---------------------------------------------------|-------|-------------|----------------------------------------|------------|------------|-----------|-----------|-----------|
|                                                   |       |             |                                        | 11/30/2023 | 12/11/2024 | 3/11/2025 | 6/18/2025 | 9/24/2025 |
| <b>Volatiles Organic Compounds</b>                | ug/L  |             |                                        |            |            |           |           |           |
| Acetone                                           |       | 67-64-1     | 50*                                    | 5 U        | 5 U        | 5 U       | 2.7 J     | 10 U      |
| Benzene                                           |       | 71-43-2     | 1                                      | 0.5 U      | 0.5 U      | 0.5 U     | 0.5 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       |
| Bromoform                                         |       | 75-25-2     | 50*                                    | 2 U        | 2 U        | 2 U       | 2 U       | 1 U       |
| Bromomethane                                      |       | 74-83-9     | 5                                      | 2.5 U      | 2.5 U      | 2.5 U     | 2.5 U     | 1 U       |
| Carbon disulfide                                  |       | 75-15-0     | 60*                                    | 5 U        | 5 U        | 5 U       | 5 U       | 1 U       |
| Carbon tetrachloride                              |       | 56-23-5     | 5                                      | 0.5 U      | 0.5 U      | 0.5 U     | 0.5 U     | 1 U       |
| Chlorobenzene                                     |       | 108-90-7    | 5                                      | 2.5 U      | 2.5 U      | 2.5 U     | 2.5 U     | 1 U       |
| Chloroethane                                      |       | 75-00-3     | 5                                      | 2.5 U      | 2.5 U      | 2.5 U     | 2.5 U     | 1 U       |
| Chloroform (Trichloromethane)                     |       | 67-66-3     | 7                                      | 2.5 U      | 2.5 U      | 2.5 U     | 2.5 U     | 1 U       |
| Chloromethane                                     |       | 74-87-3     | 5                                      | 2.5 U      | 2.5 U      | 2.5 U     | 2.5 U     | 1 U       |
| Cyclohexane                                       |       | 110-82-7    | NE                                     | 10 U       | 10 U       | 10 U      | 10 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       |
| Dibromochloromethane                              |       | 124-48-1    | 50*                                    | 0.5 U      | 0.5 U      | 0.5 U     | 0.5 U     | 1 U       |
| 1,2-Dibromoethane (EDB)                           |       | 106-93-4    | 0.0006                                 | 2 U        | 2 U        | 2 U       | 2 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       |
| 1,3-Dichlorobenzene (m-DCB)                       |       | 541-73-1    | 3                                      | 2.5 U      | 2.5 U      | 2.5 U     | 2.5 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       |
| Dichlorodifluoromethane (Freon 12)                |       | 75-71-8     | 5                                      | 5 U        | 5 U        | 5 U       | 5 U       | 1 U       |
| 1,1-Dichloroethane                                |       | 75-34-3     | 5                                      | 2.5 U      | 2.5 U      | 2.5 U     | 2.5 U     | 1 U       |
| 1,2-Dichloroethane                                |       | 107-06-2    | 0.6                                    | 0.5 U      | 0.5 U      | 0.5 U     | 0.5 U     | 1 U       |
| 1,1-Dichloroethene                                |       | 75-35-4     | 5                                      | 0.5 U      | 0.5 U      | 0.5 U     | 0.5 U     | 1 U       |
| cis-1,2-Dichloroethene                            |       | 156-59-2    | 5                                      | 7.2        | 3.4        | 2.3       | J 1.7     | J 2.3     |
| trans-1,2-Dichloroethene                          |       | 156-60-5    | 5                                      | 2.5 U      | 2.5 U      | 2.5 U     | 2.5 U     | 1 U       |
| 1,2-Dichloropropane                               |       | 78-87-5     | 1                                      | 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       |
| trans-1,3-Dichloropropene                         |       | 10061-02-6  | 0.4                                    | 0.5 U      | 0.5 U      | 0.5 U     | 0.5 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       |
| 2-Hexanone                                        |       | 591-78-6    | 50*                                    | 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       |
| Methyl acetate                                    |       | 79-20-9     | NE                                     | 2 U        | 2 U        | 2 U       | 2 U       | 2.5 U     |
| Methyl ethyl ketone (2-Butanone)                  |       | 78-93-3     | 50*                                    | 5 U        | 5 U        | 5 U       | 5 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       |
| 4-Methyl-2-pentanone (MIBK)                       |       | 108-10-1    | NE                                     | 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       |
| Methylene chloride                                |       | 75-09-2     | 5                                      | 2.5 U      | 2.5 U      | 2.5 U     | 2.5 U     | 1 U       |
| Styrene                                           |       | 100-42-5    | 5                                      | 2.5 U      | 2.5 U      | 2.5 U     | 2.5 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       |
| Tetrachloroethene (PCE)                           |       | 127-18-4    | 5                                      | 0.5 U      | 0.5 U      | 0.5 U     | 0.5 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       |
| 1,1,2-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       |
| 1,2,3-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       |
| 1,1,1-Trichloroethane (TCA)                       |       | 71-55-6     | 5                                      | 2.5 U      | 2.5 U      | 2.5 U     | 2.5 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       |
| Trichloroethene (TCE)                             |       | 79-01-6     | 5                                      | 0.61       | 0.32       | J 0.24    | J 0.45    | J 1       |
| Trichlorofluoromethane (Freon 11)                 |       | 75-69-4     | 5                                      | 2.5 U      | 2.5 U      | 2.5 U     | 2.5 U     | 1 U       |
| Vinyl chloride                                    |       | 75-01-4     | 2                                      | 0.47       | J 3.7      | 1.4       | 1.3       | 1.5       |
| 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       |
| Total VOCs                                        |       | --          | NE                                     | 8.78       | J 7.42     | J 3.94    | J 6.15    | J 3.8     |

Table 4B. Historical Groundwater PFAS Analysis Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

| Analyte                                                           | Units | CAS No.     | Sample Name<br>Sample Date<br>Parent Sample<br>NYS AWQS | MW1       |   | MW1R       |   | MW2       |   | MW2R      |   |
|-------------------------------------------------------------------|-------|-------------|---------------------------------------------------------|-----------|---|------------|---|-----------|---|-----------|---|
|                                                                   |       |             |                                                         | 2/28/2022 |   | 11/30/2023 |   | 2/28/2022 |   | 12/1/2023 |   |
| PFAS                                                              | ng/L  |             |                                                         |           |   |            |   |           |   |           |   |
| 11-Chloroeicosafuoro-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 |
| 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 |
| 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                                                      | 7.01      |   | 1.17       | J | 0.646     | J | 1.14      | J |
| Perfluorobutanoic acid (PFBA)                                     |       | 375-22-4    | NE                                                      | 15.8      |   | 10.7       |   | 1.84      | U | 4.26      |   |
| Perfluorodecanesulfonic acid (PFDS)                               |       | 335-77-3    | NE                                                      | 1.71      | U | 1.88       | U | 1.84      | U | 1.88      | U |
| Perfluorodecanoic acid (PFDA)                                     |       | 335-76-2    | NE                                                      | 1.71      | U | 1.88       | U | 0.41      | J | 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 |
| Perfluoroheptanesulfonic acid (PFHpS)                             |       | 375-92-8    | NE                                                      | 1.72      |   | 0.773      | J | 1.84      | U | 1.88      | U |
| Perfluoroheptanoic acid (PFHpA)                                   |       | 375-85-9    | NE                                                      | 18.8      |   | 3.34       |   | 0.933     | J | 3.03      |   |
| Perfluorohexanoic acid (PFHxA)                                    |       | 307-24-4    | NE                                                      | 21.4      | J | 10.2       |   | 2.26      |   | 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 |
| Perfluoropentanesulfonic Acid (Pfpes)                             |       | 2706-91-4   | NE                                                      | --        |   | --         |   | --        |   | --        |   |
| Perfluoropentanoic Acid (PFPeA)                                   |       | 2706-90-3   | NE                                                      | 44.6      | J | 12.5       |   | 2.25      |   | 6.14      |   |
| Perfluorotetradecanoic acid (PFTA/PFTeDA)                         |       | 376-06-7    | NE                                                      | 1.71      | U | 1.88       | U | 1.84      | U | 1.88      | U |
| Perfluorotridecanoic acid (PFTriA/PFTrDA)                         |       | 72629-94-8  | NE                                                      | 1.71      | U | 1.88       | U | 1.84      | U | 1.88      | U |
| Perfluoroundecanoic acid (PFUnA)                                  |       | 2058-94-8   | NE                                                      | 1.71      | U | 1.88       | U | 1.84      | 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 |
| 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 |
| Perfluorohexanesulfonic acid (PFHxS)                              |       | 355-46-4    | NE                                                      | 12.6      |   | 1.29       | J | 1.84      | U | 2.8       |   |
| Perfluorononanoic Acid (PFNA)                                     |       | 375-95-1    | NE                                                      | 2.16      |   | 2.52       |   | 0.376     | J | 1.08      | J |
| Perfluorooctanesulfonic acid (PFOS)                               |       | 1763-23-1   | 2.7                                                     | 61.8      | J | 22.4       |   | 2.21      | J | 17.9      |   |
| Perfluorooctanoic Acid (PFOA)                                     |       | 335-67-1    | 6.7                                                     | 30.7      | J | 6.32       |   | 0.886     | J | 13        |   |
| PFOA/PFOS, Total                                                  |       | N/A         | NE                                                      | 92.5      |   | 28.7       |   | 3.1       | J | 30.9      |   |

Table 4B. Historical Groundwater PFAS Analysis Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

| Analyte                                                           | Units | CAS No.     | Sample Name<br>Sample Date<br>Parent Sample<br>NYS AWQS | TW6       | DUP              | MW3S      | MW3S       | MW3S      | MW3S      | MW3S      |      |      |     |      |   |      |   |
|-------------------------------------------------------------------|-------|-------------|---------------------------------------------------------|-----------|------------------|-----------|------------|-----------|-----------|-----------|------|------|-----|------|---|------|---|
|                                                                   |       |             |                                                         | 2/27/2022 | 2/27/2022<br>TW6 | 12/1/2023 | 12/10/2024 | 3/12/2025 | 6/17/2025 | 9/24/2025 |      |      |     |      |   |      |   |
| 11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS) | ng/L  | 763051-92-9 | NE                                                      | --        | --               | --        | 6.26       | U         | 32        | U         | 32   | U    | 1.7 | U    |   |      |   |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)                      |       | 914637-49-3 | NE                                                      | --        | --               | --        | 39.1       | U         | 200       | U         | 200  | U    | 8.3 | U    |   |      |   |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA)                        |       | 812-70-4    | NE                                                      | --        | --               | --        | 39.1       | U         | 200       | U         | 200  | U    | 8.3 | U    |   |      |   |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA)                        |       | 356-02-5    | NE                                                      | --        | --               | --        | 7.83       | U         | 40        | U         | 40   | U    | 3.3 | U    |   |      |   |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA)                       |       | 919005-14-4 | NE                                                      | --        | --               | --        | 6.26       | U         | 32        | U         | 32   | U    | 1.7 | U    |   |      |   |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)   |       | 756426-58-1 | NE                                                      | --        | --               | --        | 6.26       | U         | 32        | U         | 32   | U    | 1.7 | U    |   |      |   |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)                     |       | 4151-50-2   | NE                                                      | --        | --               | --        | 1.56       | U         | 8         | U         | 8    | U    | 1.7 | U    |   |      |   |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)              |       | 1691-99-2   | NE                                                      | --        | --               | --        | 15.6       | U         | 80        | U         | 80   | U    | 8.2 | U    |   |      |   |
| N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)          |       | 2991-50-6   | NE                                                      | 1.83      | U                | 1.82      | U          | 2         | U         | 1.56      | U    | 8    | U   | 1.7  | U |      |   |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)                    |       | 31506-32-8  | NE                                                      | --        | --               | --        | 1.56       | U         | 8         | U         | 8    | U    | 1.7 | U    |   |      |   |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)             |       | 24448-09-7  | NE                                                      | --        | --               | --        | 15.6       | U         | 80        | U         | 80   | U    | 8.2 | U    |   |      |   |
| N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)         |       | 2355-31-9   | NE                                                      | 6.07      | J                | 6.14      | J          | 2         | U         | 1.27      | J    | 8    | U   | 1.7  | U |      |   |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)                        |       | 151772-58-6 | NE                                                      | --        | --               | --        | 3.13       | U         | 16        | U         | 16   | U    | 1.7 | U    |   |      |   |
| Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)                   |       | 113507-82-7 | NE                                                      | --        | --               | --        | 3.13       | U         | 16        | U         | 16   | U    | 1.7 | U    |   |      |   |
| Perfluoro(2-Propoxypropanoic) Acid                                |       | 13252-13-6  | NE                                                      | --        | --               | --        | 6.26       | U         | 32        | U         | 32   | U    | 1.7 | U    |   |      |   |
| Perfluoro-3-methoxypropanoic acid (PFMPA)                         |       | 377-73-1    | NE                                                      | --        | --               | --        | 3.13       | U         | 16        | U         | 5.64 | J    | 1.7 | U    |   |      |   |
| Perfluoro-4-methoxybutanoic acid (PFMBA)                          |       | 863090-89-5 | NE                                                      | --        | --               | --        | 3.13       | U         | 16        | U         | 16   | U    | 1.7 | U    |   |      |   |
| Perfluorobutanesulfonic acid (PFBS)                               |       | 375-73-5    | NE                                                      | 6.12      |                  | 5.77      |            | 4.58      |           | 11.8      | F    | 13.3 | F   | 6.72 | J | 4.5  |   |
| Perfluorobutanoic acid (PFBA)                                     |       | 375-22-4    | NE                                                      | 13        |                  | 13.3      |            | 14.6      |           | 6.26      | U    | 18.4 | J   | 19.2 | J | 5.1  |   |
| Perfluorodecanesulfonic acid (PFDS)                               |       | 335-77-3    | NE                                                      | 1.83      | U                | 1.82      | U          | 2         | U         | 1.56      | U    | 8    | U   | 8    | U | 1.7  | U |
| Perfluorodecanoic acid (PFDA)                                     |       | 335-76-2    | NE                                                      | 2.9       |                  | 3.2       |            | 2         | U         | 1.56      | U    | 8    | U   | 8    | U | 1.7  | U |
| Perfluorododecanesulfonic Acid (PFDoS)                            |       | 79780-39-5  | NE                                                      | --        | --               | --        | 1.56       | U         | 8         | U         | 8    | U    | 1.7 | U    |   |      |   |
| Perfluorododecanoic acid (PFDoA)                                  |       | 307-55-1    | NE                                                      | 0.539     | J                | 0.505     | J          | 2         | U         | 1.56      | U    | 8    | U   | 8    | U | 1.7  | U |
| Perfluoroheptanesulfonic acid (PFHpS)                             |       | 375-92-8    | NE                                                      | 1.95      |                  | 2.22      |            | 3.05      | J         | 0.689     | J    | 8    | U   | 8    | U | 1.7  | U |
| Perfluoroheptanoic acid (PFHpA)                                   |       | 375-85-9    | NE                                                      | 16.2      |                  | 16.2      |            | 8.5       |           | 10.3      | J    | 11   |     | 7.64 | J | 5.7  |   |
| Perfluorohexanoic acid (PFHxA)                                    |       | 307-24-4    | NE                                                      | 30.9      |                  | 30.9      |            | 13.6      |           | 14        |      | 21.1 |     | 14.2 |   | 12   |   |
| Perfluorononanesulfonic Acid (PfnS)                               |       | 68259-12-1  | NE                                                      | --        | --               | --        | 1.56       | U         | 8         | U         | 8    | U    | 1.7 | U    |   |      |   |
| Perfluorooctanesulfonamide (FOSA)                                 |       | 754-91-6    | NE                                                      | 1.24      | J                | 1.76      | J          | 2         | U         | 1.56      | U    | 8    | U   | 8    | U | 1.7  | U |
| Perfluoropentanesulfonic Acid (Pfpes)                             |       | 2706-91-4   | NE                                                      | --        | --               | --        | 2.14       |           | 2.56      | J         | 2.08 | J    | 1.7 |      |   |      |   |
| Perfluoropentanoic Acid (PFPeA)                                   |       | 2706-90-3   | NE                                                      | 49.4      |                  | 48.8      |            | 20.5      |           | 19        |      | 24   |     | 14.7 | J | 7.3  |   |
| Perfluorotetradecanoic acid (PFTA/PFTeDA)                         |       | 376-06-7    | NE                                                      | 1.83      | U                | 1.82      | U          | 2         | U         | 1.56      | U    | 8    | U   | 8    | U | 1.6  | U |
| Perfluorotridecanoic acid (PFTriA/PFTrDA)                         |       | 72629-94-8  | NE                                                      | 1.83      | U                | 1.82      | U          | 2         | U         | 1.56      | U    | 8    | U   | 8    | U | 1.6  | U |
| Perfluoroundecanoic acid (PFUnA)                                  |       | 2058-94-8   | NE                                                      | 1.04      | J                | 0.978     | J          | 2         | U         | 1.56      | U    | 8    | U   | 8    | U | 1.7  | U |
| 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   | U   | 32   | U | 3.3  | U |
| Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)                |       | 757124-72-4 | NE                                                      | --        | --               | --        | 6.26       | U         | 32        | U         | 32   | U    | 3.3 | 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   | U   | 32   | U | 3.3  | U |
| Perfluorohexanesulfonic acid (PFHxS)                              |       | 355-46-4    | NE                                                      | 10.1      |                  | 10.3      |            | 12.4      | J         | 6.48      |      | 7.08 | J   | 3.92 | J | 3.4  |   |
| Perfluorononanoic Acid (PFNA)                                     |       | 375-95-1    | NE                                                      | 4.64      |                  | 4.98      |            | 2         | U         | 0.697     | J    | 1.52 | J   | 8    | U | 1.7  | U |
| Perfluorooctanesulfonic acid (PFOS)                               |       | 1763-23-1   | 2.7                                                     | 118       |                  | 122       |            | 10.1      |           | 19.1      |      | 24.4 |     | 10.4 |   | 6.6  | I |
| Perfluorooctanoic Acid (PFOA)                                     |       | 335-67-1    | 6.7                                                     | 34.1      |                  | 35        |            | 17.2      |           | 32.2      |      | 30.4 |     | 18.3 |   | 15   |   |
| PFOA/PFOS, Total                                                  |       | N/A         | NE                                                      | 152       |                  | 157       |            | 27.3      |           | 51.3      |      | 54.8 |     | 28.7 |   | 21.6 | I |

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

| Analyte                                                           | Units | CAS No.     | Sample Name<br>Sample Date<br>Parent Sample<br>NYS AWQS | MW31          |               | MW31           |                | MW31          |           | MW31      |           | MW31      |           |
|-------------------------------------------------------------------|-------|-------------|---------------------------------------------------------|---------------|---------------|----------------|----------------|---------------|-----------|-----------|-----------|-----------|-----------|
|                                                                   |       |             |                                                         | 11/30/2023    | 12/10/2024    | 11/30/2023     | 12/10/2024     | 3/12/2025     | 6/17/2025 | 3/12/2025 | 6/17/2025 | 9/24/2025 | 9/24/2025 |
| PFAS                                                              | ng/L  |             |                                                         |               |               |                |                |               |           |           |           |           |           |
| 11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS) |       | 763051-92-9 | NE                                                      | --            | 6.53 U        | 6.24 U         | 6.5 U          | 1.6 U         |           |           |           |           |           |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)                      |       | 914637-49-3 | NE                                                      | --            | 40.8 U        | 39 U           | 40.6 U         | 7.8 U         |           |           |           |           |           |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA)                        |       | 812-70-4    | NE                                                      | --            | 40.8 U        | 39 U           | 40.6 U         | 7.8 U         |           |           |           |           |           |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA)                        |       | 356-02-5    | NE                                                      | --            | 8.16 U        | 7.8 U          | 8.13 U         | 3.1 U         |           |           |           |           |           |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA)                       |       | 919005-14-4 | NE                                                      | --            | 6.53 U        | 6.24 U         | 6.5 U          | 1.6 U         |           |           |           |           |           |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)   |       | 756426-58-1 | NE                                                      | --            | 6.53 U        | 6.24 U         | 6.5 U          | 1.6 U         |           |           |           |           |           |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)                     |       | 4151-50-2   | NE                                                      | --            | 1.63 U        | 1.56 U         | 1.62 U         | 1.6 U         |           |           |           |           |           |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)              |       | 1691-99-2   | NE                                                      | --            | 16.3 U        | 15.6 U         | 16.2 U         | 7.8 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         |           |           |           |           |           |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)                    |       | 31506-32-8  | NE                                                      | --            | 1.63 U        | 1.56 U         | 1.62 U         | 1.6 U         |           |           |           |           |           |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)             |       | 24448-09-7  | NE                                                      | --            | 16.3 U        | 15.6 U         | 16.2 U         | 7.8 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         |           |           |           |           |           |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)                        |       | 151772-58-6 | NE                                                      | --            | 3.26 U        | 3.12 U         | 3.25 U         | 1.6 U         |           |           |           |           |           |
| Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)                   |       | 113507-82-7 | NE                                                      | --            | 3.26 U        | 3.12 U         | 3.25 U         | 1.6 U         |           |           |           |           |           |
| Perfluoro(2-Propoxypropanoic) Acid                                |       | 13252-13-6  | NE                                                      | --            | 6.53 U        | 6.24 U         | 6.5 U          | 1.6 U         |           |           |           |           |           |
| Perfluoro-3-methoxypropanoic acid (PFMPA)                         |       | 377-73-1    | NE                                                      | --            | 3.26 U        | 3.12 U         | 3.25 U         | 1.6 U         |           |           |           |           |           |
| Perfluoro-4-methoxybutanoic acid (PFMBA)                          |       | 863090-89-5 | NE                                                      | --            | 3.26 U        | 3.12 U         | 3.25 U         | 1.6 U         |           |           |           |           |           |
| Perfluorobutanesulfonic acid (PFBS)                               |       | 375-73-5    | NE                                                      | 1.87 U        | 1.63 U        | 1.56 U         | 1.62 U         | 1.6 U         |           |           |           |           |           |
| Perfluorobutanoic acid (PFBA)                                     |       | 375-22-4    | NE                                                      | <b>1.59 J</b> | <b>2.23 J</b> | <b>2.28 J</b>  | 6.5 U          | <b>0.97 J</b> |           |           |           |           |           |
| Perfluorodecanesulfonic acid (PFDS)                               |       | 335-77-3    | NE                                                      | 1.87 U        | 1.63 U        | 1.56 U         | 1.62 U         | 1.6 U         |           |           |           |           |           |
| Perfluorodecanoic acid (PFDA)                                     |       | 335-76-2    | NE                                                      | 1.87 U        | 1.63 U        | 1.56 U         | 1.62 U         | 1.6 U         |           |           |           |           |           |
| Perfluorododecanesulfonic Acid (PFDoS)                            |       | 79780-39-5  | NE                                                      | --            | 1.63 U        | 1.56 U         | 1.62 U         | 1.6 U         |           |           |           |           |           |
| Perfluorododecanoic acid (PFDoA)                                  |       | 307-55-1    | NE                                                      | 1.87 U        | 1.63 U        | 1.56 U         | 1.62 U         | 1.6 U         |           |           |           |           |           |
| Perfluoroheptanesulfonic acid (PFHpS)                             |       | 375-92-8    | NE                                                      | 1.87 U        | 1.63 U        | 1.56 U         | 1.62 U         | 1.6 U         |           |           |           |           |           |
| Perfluoroheptanoic acid (PFHpA)                                   |       | 375-85-9    | NE                                                      | 1.87 U        | 1.63 U        | 1.56 U         | 1.62 U         | 1.6 U         |           |           |           |           |           |
| Perfluorohexanoic acid (PFHxA)                                    |       | 307-24-4    | NE                                                      | 1.87 U        | 1.63 U        | <b>0.39 JF</b> | 1.62 U         | 1.6 U         |           |           |           |           |           |
| Perfluorononanesulfonic Acid (PfnS)                               |       | 68259-12-1  | NE                                                      | --            | 1.63 U        | 1.56 U         | 1.62 U         | 1.6 U         |           |           |           |           |           |
| Perfluorooctanesulfonamide (FOSA)                                 |       | 754-91-6    | NE                                                      | 1.87 U        | 1.63 U        | 1.56 U         | 1.62 U         | 1.6 U         |           |           |           |           |           |
| Perfluoropentanesulfonic Acid (Pfpes)                             |       | 2706-91-4   | NE                                                      | --            | 1.63 U        | 1.56 U         | 1.62 U         | 1.6 U         |           |           |           |           |           |
| Perfluoropentanoic Acid (PFPeA)                                   |       | 2706-90-3   | NE                                                      | 1.87 U        | <b>0.53 J</b> | <b>0.764 J</b> | 3.25 U         | 1.6 U         |           |           |           |           |           |
| Perfluorotetradecanoic acid (PFTA/PFTeDA)                         |       | 376-06-7    | NE                                                      | 1.87 U        | 1.63 U        | 1.56 U         | 1.62 U         | 1.6 U         |           |           |           |           |           |
| Perfluorotridecanoic acid (PFTriA/PFTrDA)                         |       | 72629-94-8  | NE                                                      | 1.87 U        | 1.63 U        | 1.56 U         | 1.62 U         | 1.6 U         |           |           |           |           |           |
| Perfluoroundecanoic acid (PFUnA)                                  |       | 2058-94-8   | NE                                                      | 1.87 U        | 1.63 U        | 1.56 U         | 1.62 U         | 1.6 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         |           |           |           |           |           |
| 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         |           |           |           |           |           |
| Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)                |       | 27619-97-2  | NE                                                      | <b>1.48 J</b> | 6.53 U        | 6.24 U         | 6.5 U          | 3.1 U         |           |           |           |           |           |
| Perfluorohexanesulfonic acid (PFHxS)                              |       | 355-46-4    | NE                                                      | 1.87 U        | 1.63 U        | 1.56 U         | 1.62 U         | 1.6 U         |           |           |           |           |           |
| Perfluorononanoic Acid (PFNA)                                     |       | 375-95-1    | NE                                                      | 1.87 U        | 1.63 U        | 1.56 U         | 1.62 U         | 1.6 U         |           |           |           |           |           |
| Perfluorooctanesulfonic acid (PFOS)                               |       | 1763-23-1   | 2.7                                                     | 1.87 U        | 1.63 U        | <b>3.49</b>    | <b>0.626 J</b> | 1.6 U         |           |           |           |           |           |
| Perfluorooctanoic Acid (PFOA)                                     |       | 335-67-1    | 6.7                                                     | 1.87 U        | 1.63 U        | <b>0.288 J</b> | 1.62 U         | 1.6 U         |           |           |           |           |           |
| PFOA/PFOS, Total                                                  |       | N/A         | NE                                                      | 1.87 U        | 1.63 U        | <b>3.778 J</b> | <b>0.626 J</b> | 1.6 U         |           |           |           |           |           |

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

| Analyte                                                           | Units | CAS No.     | Sample Name<br>Sample Date<br>Parent Sample<br>NYS AWQS | MW4S<br>12/1/2023 |   | MW4S<br>12/10/2024 |    | MW4S<br>3/12/2025 |   | MW4S<br>6/17/2025 |    | DUP-061725<br>6/17/2025<br>MW4S |    | MW4S<br>9/24/2025 |   |
|-------------------------------------------------------------------|-------|-------------|---------------------------------------------------------|-------------------|---|--------------------|----|-------------------|---|-------------------|----|---------------------------------|----|-------------------|---|
|                                                                   |       |             |                                                         |                   |   |                    |    |                   |   |                   |    |                                 |    |                   |   |
| 11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS) | ng/L  | 763051-92-9 | NE                                                      | --                |   | 5.76               | U  | 6.02              | U | 6.03              | U  | 6.41                            | U  | 1.5               | 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 |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA)                        |       | 812-70-4    | NE                                                      | --                |   | 36                 | U  | 37.6              | U | 37.7              | U  | 40                              | U  | 7.7               | 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 |
| 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 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)   |       | 756426-58-1 | NE                                                      | --                |   | 5.76               | U  | 6.02              | U | 6.03              | U  | 6.41                            | U  | 1.5               | 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 |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)              |       | 1691-99-2   | NE                                                      | --                |   | 14.4               | U  | 15                | U | 15.1              | U  | 16                              | U  | 7.7               | 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 |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)                    |       | 31506-32-8  | NE                                                      | --                |   | 1.44               | U  | 1.5               | U | 1.51              | U  | 1.6                             | U  | 1.5               | U |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)             |       | 24448-09-7  | NE                                                      | --                |   | 14.4               | U  | 15                | U | 15.1              | U  | 16                              | U  | 7.7               | 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 |
| 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 |
| 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 |
| Perfluoro(2-Propoxypropanoic) Acid                                |       | 13252-13-6  | NE                                                      | --                |   | 5.76               | U  | 6.02              | U | 6.03              | U  | 6.41                            | U  | 1.5               | 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 |
| Perfluoro-4-methoxybutanoic acid (PFMBA)                          |       | 863090-89-5 | NE                                                      | --                |   | 2.88               | U  | 3.01              | U | 3.01              | U  | 3.2                             | U  | 1.5               | U |
| Perfluorobutanesulfonic acid (PFBS)                               |       | 375-73-5    | NE                                                      | <b>4.52</b>       |   | <b>4.43</b>        |    | <b>5.12</b>       |   | <b>2.53</b>       |    | <b>3.32</b>                     |    | <b>4.4</b>        |   |
| Perfluorobutanoic acid (PFBA)                                     |       | 375-22-4    | NE                                                      | <b>12.6</b>       |   | <b>11.3</b>        |    | <b>29.7</b>       |   | <b>8.3</b>        |    | <b>9.64</b>                     |    | <b>12</b>         |   |
| 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 |
| Perfluorodecanoic acid (PFDA)                                     |       | 335-76-2    | NE                                                      | 1.94              | U | <b>3.07</b>        |    | <b>7.81</b>       |   | <b>6.54</b>       |    | <b>6.02</b>                     |    | <b>1.5</b>        |   |
| Perfluorododecanesulfonic Acid (PFDoS)                            |       | 79780-39-5  | NE                                                      | --                |   | 1.44               | U  | 1.5               | U | 1.51              | U  | 1.6                             | U  | 1.5               | 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 |
| Perfluoroheptanesulfonic acid (PFHpS)                             |       | 375-92-8    | NE                                                      | 1.94              | U | <b>0.777</b>       | J  | <b>0.459</b>      | J | <b>1.08</b>       | J  | <b>1.05</b>                     | J  | <b>1.5</b>        | U |
| Perfluoroheptanoic acid (PFHpA)                                   |       | 375-85-9    | NE                                                      | <b>15.9</b>       |   | <b>9.42</b>        |    | <b>17.5</b>       |   | <b>8.07</b>       |    | <b>8.62</b>                     |    | <b>11</b>         |   |
| Perfluorohexanoic acid (PFHxA)                                    |       | 307-24-4    | NE                                                      | <b>24.2</b>       |   | <b>15.4</b>        |    | <b>37.3</b>       |   | <b>10.5</b>       |    | <b>11.5</b>                     |    | <b>18</b>         |   |
| Perfluorononanesulfonic Acid (PfnS)                               |       | 68259-12-1  | NE                                                      | --                |   | 1.44               | U  | 1.5               | U | 1.51              | U  | 1.6                             | U  | 1.5               | U |
| Perfluorooctanesulfonamide (FOSA)                                 |       | 754-91-6    | NE                                                      | 1.94              | U | <b>0.389</b>       | JF | <b>0.293</b>      | J | <b>0.505</b>      | JF | <b>0.521</b>                    | JF | <b>1.5</b>        | U |
| Perfluoropentanesulfonic Acid (Pfpes)                             |       | 2706-91-4   | NE                                                      | --                |   | <b>0.936</b>       | J  | <b>0.579</b>      | J | <b>0.829</b>      | J  | <b>0.913</b>                    | J  | <b>0.8</b>        | J |
| Perfluoropentanoic Acid (PFPeA)                                   |       | 2706-90-3   | NE                                                      | <b>36.4</b>       |   | <b>26.6</b>        |    | <b>67.4</b>       |   | <b>12.4</b>       |    | <b>15.4</b>                     |    | <b>25</b>         |   |
| 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 |
| Perfluorotridecanoic acid (PFTriA/PFTrDA)                         |       | 72629-94-8  | NE                                                      | 1.94              | U | 1.44               | U  | 1.5               | U | 1.51              | U  | 1.6                             | U  | 1.5               | U |
| Perfluoroundecanoic acid (PFUnA)                                  |       | 2058-94-8   | NE                                                      | 1.94              | U | 1.44               | U  | <b>0.323</b>      | J | 1.51              | U  | <b>0.216</b>                    | J  | 1.5               | 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 |
| 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 |
| 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 |
| Perfluorohexanesulfonic acid (PFHxS)                              |       | 355-46-4    | NE                                                      | <b>4.55</b>       |   | <b>4.21</b>        |    | <b>2.38</b>       |   | <b>4.26</b>       |    | <b>3.94</b>                     |    | <b>3.7</b>        |   |
| Perfluorononanoic Acid (PFNA)                                     |       | 375-95-1    | NE                                                      | <b>3.61</b>       |   | <b>6.46</b>        |    | <b>7.66</b>       |   | <b>10.4</b>       |    | <b>10.6</b>                     |    | <b>4.1</b>        |   |
| Perfluorooctanesulfonic acid (PFOS)                               |       | 1763-23-1   | 2.7                                                     | <b>12.9</b>       |   | <b>45.4</b>        |    | <b>31.2</b>       |   | <b>75</b>         |    | <b>72.1</b>                     |    | <b>17</b>         |   |
| Perfluorooctanoic Acid (PFOA)                                     |       | 335-67-1    | 6.7                                                     | <b>37.5</b>       |   | <b>30.9</b>        |    | <b>26.8</b>       |   | <b>21.2</b>       |    | <b>23.1</b>                     |    | <b>24</b>         |   |
| PFOA/PFOS, Total                                                  |       | N/A         | NE                                                      | <b>50.4</b>       |   | <b>76.3</b>        |    | <b>58</b>         |   | <b>96.2</b>       |    | <b>95.2</b>                     |    | <b>41</b>         |   |

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

| Analyte                                                           | Units | CAS No.     | Sample Name<br>Sample Date<br>Parent Sample<br>NYS AWQS | MW4I         | DUP-12.1.23       | MW4I         | DUP-1210202         | MW4I         | MW4I      | MW4I         |          |             |          |              |          |            |          |
|-------------------------------------------------------------------|-------|-------------|---------------------------------------------------------|--------------|-------------------|--------------|---------------------|--------------|-----------|--------------|----------|-------------|----------|--------------|----------|------------|----------|
|                                                                   |       |             |                                                         | 12/1/2023    | 12/1/2023<br>MW4I | 12/10/2024   | 12/10/2024<br>MW 4I | 3/12/2025    | 6/17/2025 | 9/24/2025    |          |             |          |              |          |            |          |
| 11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS) | ng/L  | 763051-92-9 | NE                                                      | --           | --                | 6.38         | U                   | 6.36         | U         | 6.32         | U        | 6.03        | U        | 1.5          | 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        | 7.6          | U        |            |          |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA)                        |       | 812-70-4    | NE                                                      | --           | --                | 39.9         | U                   | 39.8         | U         | 39.5         | U        | 37.7        | U        | 7.6          | U        |            |          |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA)                        |       | 356-02-5    | NE                                                      | --           | --                | 7.97         | U                   | 7.96         | U         | 7.9          | U        | 7.54        | U        | 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        | 1.5          | U        |            |          |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)   |       | 756426-58-1 | NE                                                      | --           | --                | 6.38         | U                   | 6.36         | U         | 6.32         | U        | 6.03        | U        | 1.5          | U        |            |          |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)                     |       | 4151-50-2   | NE                                                      | --           | --                | 1.59         | U                   | 1.59         | U         | 1.58         | U        | 1.51        | U        | 1.5          | U        |            |          |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)              |       | 1691-99-2   | NE                                                      | --           | --                | 15.9         | U                   | 15.9         | U         | 15.8         | U        | 15.1        | U        | 7.6          | 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        | 1.5        | U        |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)                    |       | 31506-32-8  | NE                                                      | --           | --                | 1.59         | U                   | 1.59         | U         | 1.58         | U        | 1.51        | U        | 1.5          | U        |            |          |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)             |       | 24448-09-7  | NE                                                      | --           | --                | 15.9         | U                   | 15.9         | U         | 15.8         | U        | 15.1        | U        | 7.6          | 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        | 1.5        | U        |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)                        |       | 151772-58-6 | NE                                                      | --           | --                | 3.19         | U                   | 3.18         | U         | 3.16         | U        | 3.02        | U        | 1.5          | U        |            |          |
| Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)                   |       | 113507-82-7 | NE                                                      | --           | --                | 3.19         | U                   | 3.18         | U         | 3.16         | U        | 3.02        | U        | 1.5          | U        |            |          |
| Perfluoro(2-Propoxypropanoic) Acid                                |       | 13252-13-6  | NE                                                      | --           | --                | 6.38         | U                   | 6.36         | U         | 6.32         | U        | 6.03        | U        | 1.5          | U        |            |          |
| Perfluoro-3-methoxypropanoic acid (PFMPA)                         |       | 377-73-1    | NE                                                      | --           | --                | 3.19         | U                   | 3.18         | U         | 3.16         | U        | 3.02        | U        | 1.5          | U        |            |          |
| Perfluoro-4-methoxybutanoic acid (PFMBA)                          |       | 863090-89-5 | NE                                                      | --           | --                | 3.19         | U                   | 3.18         | U         | 3.16         | U        | 3.02        | U        | 1.5          | 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        | 1.5        | U        |
| Perfluorobutanoic acid (PFBA)                                     |       | 375-22-4    | NE                                                      | <b>1.61</b>  | <b>J</b>          | <b>1.63</b>  | <b>J</b>            | <b>1.32</b>  | <b>J</b>  | <b>1.5</b>   | <b>J</b> | <b>1.86</b> | <b>J</b> | 6.03         | U        | <b>1.1</b> | <b>J</b> |
| 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        | 1.5        | 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        | 1.5        | U        |
| Perfluorododecanesulfonic Acid (PFDoS)                            |       | 79780-39-5  | NE                                                      | --           | --                | 1.59         | U                   | 1.59         | U         | 1.58         | U        | 1.51        | U        | 1.5          | 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        | 1.5        | 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        | 1.5        | 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        | 1.5        | U        |
| Perfluorohexanoic acid (PFHxA)                                    |       | 307-24-4    | NE                                                      | <b>0.906</b> | <b>J</b>          | <b>0.916</b> | <b>J</b>            | <b>0.542</b> | <b>J</b>  | <b>0.493</b> | <b>J</b> | <b>0.41</b> | <b>J</b> | <b>0.302</b> | <b>J</b> | 1.5        | U        |
| Perfluorononanesulfonic Acid (PfnS)                               |       | 68259-12-1  | NE                                                      | --           | --                | 1.59         | U                   | 1.59         | U         | 1.58         | U        | 1.51        | U        | 1.5          | 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        | 1.5        | U        |
| Perfluoropentanesulfonic Acid (Pfpes)                             |       | 2706-91-4   | NE                                                      | --           | --                | 1.59         | U                   | 1.59         | U         | 1.58         | U        | 1.51        | U        | 1.5          | U        |            |          |
| Perfluoropentanoic Acid (PFPeA)                                   |       | 2706-90-3   | NE                                                      | <b>3.19</b>  | <b>J</b>          | <b>3.69</b>  | <b>J</b>            | <b>0.51</b>  | <b>J</b>  | <b>0.573</b> | <b>J</b> | <b>0.41</b> | <b>J</b> | <b>0.528</b> | <b>J</b> | 1.5        | 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        | 1.5        | U        |
| Perfluorotridecanoic acid (PFTriA/PFTrDA)                         |       | 72629-94-8  | NE                                                      | 1.84         | U                 | 1.84         | U                   | 1.59         | U         | 1.59         | U        | 1.58        | U        | 1.51         | U        | 1.5        | 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        | 1.5        | 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          | 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            | U        |            |          |
| Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)                |       | 27619-97-2  | NE                                                      | <b>1.82</b>  | <b>J</b>          | <b>3.38</b>  | <b>J</b>            | 6.38         | U         | 6.36         | U        | 6.32        | U        | 6.03         | U        | 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        | 1.5        | 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        | 1.5        | U        |
| Perfluorooctanesulfonic acid (PFOS)                               |       | 1763-23-1   | 2.7                                                     | 1.84         | U                 | 1.84         | U                   | 1.59         | U         | 1.59         | U        | 1.58        | U        | <b>0.256</b> | <b>J</b> | 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        | 1.5        | U        |
| PFOA/PFOS, Total                                                  |       | N/A         | NE                                                      | 1.84         | U                 | 1.84         | U                   | 1.59         | U         | 1.59         | U        | 1.58        | U        | <b>0.256</b> | <b>J</b> | 1.5        | U        |

Table 4B. Historical Groundwater PFAS Analysis Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

| Analyte                                                           | Units | CAS No.     | Sample Name<br>Sample Date<br>Parent Sample<br>NYS AWQS | MW5S         |              | MW5S         |              | MW5S         |              | MW5S         |             | MW5S         |             | MW5I     |              | MW5I     |  |
|-------------------------------------------------------------------|-------|-------------|---------------------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|--------------|-------------|----------|--------------|----------|--|
|                                                                   |       |             |                                                         | 11/29/2023   | 12/10/2024   | 3/12/2025    | 6/17/2025    | 9/24/2025    | 11/29/2023   | 12/10/2024   | 11/29/2023  | 12/10/2024   |             |          |              |          |  |
| PFAS                                                              | ng/L  |             |                                                         |              |              |              |              |              |              |              |             |              |             |          |              |          |  |
| 11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS) |       | 763051-92-9 | NE                                                      | --           | 6.06 U       | 5.95 U       | 6.07 U       | 1.8 U        | --           |              |             |              |             |          | 6.54 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        | --           |              |             |              |             |          | 40.8 U       |          |  |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA)                        |       | 812-70-4    | NE                                                      | --           | 37.9 U       | 37.2 U       | 37.9 U       | 8.8 U        | --           |              |             |              |             |          | 40.8 U       |          |  |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA)                        |       | 356-02-5    | NE                                                      | --           | 7.58 U       | 7.44 U       | 7.58 U       | 3.5 U        | --           |              |             |              |             |          | 8.17 U       |          |  |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA)                       |       | 919005-14-4 | NE                                                      | --           | 6.06 U       | 5.95 U       | 6.07 U       | 1.8 U        | --           |              |             |              |             |          | 6.54 U       |          |  |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)   |       | 756426-58-1 | NE                                                      | --           | 6.06 U       | 5.95 U       | 6.07 U       | 1.8 U        | --           |              |             |              |             |          | 6.54 U       |          |  |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)                     |       | 4151-50-2   | NE                                                      | --           | 1.52 U       | 1.49 U       | 1.52 U       | 1.8 U        | --           |              |             |              |             |          | 1.63 U       |          |  |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)              |       | 1691-99-2   | NE                                                      | --           | 15.2 U       | 14.9 U       | 15.2 U       | 8.8 U        | --           |              |             |              |             |          | 16.3 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        | 1.89 U       |              |             |              |             |          | 1.63 U       |          |  |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)                    |       | 31506-32-8  | NE                                                      | --           | 1.52 U       | 1.49 U       | 1.52 U       | 1.8 U        | --           |              |             |              |             |          | 1.63 U       |          |  |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)             |       | 24448-09-7  | NE                                                      | --           | 15.2 U       | 14.9 U       | 15.2 U       | 8.8 U        | --           |              |             |              |             |          | 16.3 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        | 1.89 U       |              |             |              |             |          | 1.63 U       |          |  |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)                        |       | 151772-58-6 | NE                                                      | --           | 3.03 U       | 2.98 U       | 3.03 U       | 1.8 U        | --           |              |             |              |             |          | 3.27 U       |          |  |
| Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)                   |       | 113507-82-7 | NE                                                      | --           | 3.03 U       | 2.98 U       | 3.03 U       | 1.8 U        | --           |              |             |              |             |          | 3.27 U       |          |  |
| Perfluoro(2-Propoxypropanoic) Acid                                |       | 13252-13-6  | NE                                                      | --           | 6.06 U       | 5.95 U       | 6.07 U       | 1.8 U        | --           |              |             |              |             |          | 6.54 U       |          |  |
| Perfluoro-3-methoxypropanoic acid (PFMPA)                         |       | 377-73-1    | NE                                                      | --           | 3.03 U       | 2.98 U       | 6.07 U       | 1.8 U        | --           |              |             |              |             |          | 3.27 U       |          |  |
| Perfluoro-4-methoxybutanoic acid (PFMBA)                          |       | 863090-89-5 | NE                                                      | --           | 3.03 U       | 2.98 U       | 3.03 U       | 1.8 U        | --           |              |             |              |             |          | 3.27 U       |          |  |
| Perfluorobutanesulfonic acid (PFBS)                               |       | 375-73-5    | NE                                                      | <b>4.84</b>  | <b>5.82</b>  | <b>3.36</b>  | <b>2.8</b>   | <b>0.85</b>  | <b>J</b>     | 1.89 U       |             |              |             |          | 1.63 U       |          |  |
| Perfluorobutanoic acid (PFBA)                                     |       | 375-22-4    | NE                                                      | <b>18.1</b>  | <b>12</b>    | <b>9.82</b>  | <b>10.7</b>  | <b>J</b>     | <b>9.1</b>   | <b>J</b>     | <b>1.46</b> | <b>J</b>     | <b>2.01</b> | <b>J</b> |              |          |  |
| Perfluorodecanesulfonic acid (PFDS)                               |       | 335-77-3    | NE                                                      | 2.11 U       | 1.52 U       | 1.49 U       | 1.52 U       | 1.8 U        | 1.89 U       |              |             |              |             |          | 1.63 U       |          |  |
| Perfluorodecanoic acid (PFDA)                                     |       | 335-76-2    | NE                                                      | <b>0.468</b> | <b>J</b>     | <b>0.833</b> | <b>J</b>     | <b>0.439</b> | <b>J</b>     | <b>0.531</b> | <b>J</b>    | 1.8 U        | 1.89 U      | 1.63 U   |              |          |  |
| Perfluorododecanesulfonic Acid (PFDoS)                            |       | 79780-39-5  | NE                                                      | --           | 1.52 U       | 1.49 U       | 1.52 U       | 1.8 U        | --           |              |             |              |             |          | 1.63 U       |          |  |
| Perfluorododecanoic acid (PFDoA)                                  |       | 307-55-1    | NE                                                      | 2.11 U       | 1.52 U       | 1.49 U       | 1.52 U       | 1.8 U        | 1.89 U       |              |             |              |             |          | 1.63 U       |          |  |
| Perfluoroheptanesulfonic acid (PFHpS)                             |       | 375-92-8    | NE                                                      | <b>1.3</b>   | <b>J</b>     | <b>1.28</b>  | <b>J</b>     | <b>1.49</b>  | <b>J</b>     | <b>0.872</b> | <b>J</b>    | 1.8 U        | 1.89 U      | 1.63 U   |              |          |  |
| Perfluoroheptanoic acid (PFHpA)                                   |       | 375-85-9    | NE                                                      | <b>13.3</b>  | <b>7.98</b>  | <b>7.88</b>  | <b>8.73</b>  | <b>2.6</b>   |              | 1.89 U       |             |              |             |          | <b>0.31</b>  | <b>J</b> |  |
| Perfluorohexanoic acid (PFHxA)                                    |       | 307-24-4    | NE                                                      | <b>25.2</b>  | <b>12.8</b>  | <b>13.1</b>  | <b>12.2</b>  | <b>5</b>     |              | <b>0.43</b>  | <b>J</b>    | <b>0.899</b> | <b>J</b>    |          |              |          |  |
| Perfluorononanesulfonic Acid (PfnS)                               |       | 68259-12-1  | NE                                                      | --           | 1.52 U       | 1.49 U       | 1.52 U       | 1.8 U        | --           |              |             |              |             |          | 1.63 U       |          |  |
| Perfluorooctanesulfonamide (FOSA)                                 |       | 754-91-6    | NE                                                      | 2.11 U       | <b>0.788</b> | <b>JF</b>    | <b>0.566</b> | <b>J</b>     | <b>0.508</b> | <b>J</b>     | <b>0.48</b> | <b>J</b>     | 1.89 U      | 1.63 U   |              |          |  |
| Perfluoropentanesulfonic Acid (Pfpes)                             |       | 2706-91-4   | NE                                                      | --           | <b>1.1</b>   | <b>J</b>     | <b>0.618</b> | <b>J</b>     | <b>0.516</b> | <b>J</b>     | 1.8 U       | --           |             |          | 1.63 U       |          |  |
| Perfluoropentanoic Acid (PFPeA)                                   |       | 2706-90-3   | NE                                                      | <b>37.4</b>  | <b>22.2</b>  | <b>22.5</b>  | <b>17.8</b>  | <b>8.1</b>   |              | <b>0.472</b> | <b>J</b>    | <b>0.596</b> | <b>J</b>    |          |              |          |  |
| Perfluorotetradecanoic acid (PFTA/PFTeDA)                         |       | 376-06-7    | NE                                                      | 2.11 U       | 1.52 U       | 1.49 U       | 1.52 U       | 1.8 U        | 1.89 U       |              |             |              |             |          | 1.63 U       |          |  |
| Perfluorotridecanoic acid (PFTriA/PFTrDA)                         |       | 72629-94-8  | NE                                                      | 2.11 U       | 1.52 U       | 1.49 U       | 1.52 U       | 1.8 U        | 1.89 U       |              |             |              |             |          | 1.63 U       |          |  |
| Perfluoroundecanoic acid (PFUnA)                                  |       | 2058-94-8   | NE                                                      | 2.11 U       | 1.52 U       | 1.49 U       | 1.52 U       | 1.8 U        | 1.89 U       |              |             |              |             |          | 1.63 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        | 1.89 U       |              |             |              |             |          | 6.54 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        | --           |              |             |              |             |          | 6.54 U       |          |  |
| Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)                |       | 27619-97-2  | NE                                                      | <b>1.95</b>  | <b>J</b>     | 6.06 U       | 5.95 U       | 6.07 U       | 3.5 U        | <b>42.7</b>  | <b>J</b>    | <b>101</b>   |             |          |              |          |  |
| Perfluorohexanesulfonic acid (PFHxS)                              |       | 355-46-4    | NE                                                      | <b>7.38</b>  | <b>7.64</b>  | <b>6.13</b>  | <b>4.48</b>  | <b>1.4</b>   | <b>J</b>     | <b>0.483</b> | <b>J</b>    | <b>0.784</b> | <b>J</b>    |          |              |          |  |
| Perfluorononanoic Acid (PFNA)                                     |       | 375-95-1    | NE                                                      | <b>4.32</b>  | <b>2.17</b>  | <b>1.47</b>  | <b>J</b>     | <b>1.75</b>  |              | 1.8 U        | 1.89 U      | 1.63 U       |             |          |              |          |  |
| Perfluorooctanesulfonic acid (PFOS)                               |       | 1763-23-1   | 2.7                                                     | <b>32.2</b>  | <b>41.4</b>  | <b>37.9</b>  | <b>36.3</b>  | <b>20</b>    |              | 1.89 U       |             |              |             |          | <b>0.531</b> | <b>J</b> |  |
| Perfluorooctanoic Acid (PFOA)                                     |       | 335-67-1    | 6.7                                                     | <b>91.5</b>  | <b>46.4</b>  | <b>37.4</b>  | <b>38.8</b>  | <b>14</b>    |              | <b>0.257</b> | <b>J</b>    | <b>0.343</b> | <b>J</b>    |          |              |          |  |
| PFOA/PFOS, Total                                                  |       | N/A         | NE                                                      | <b>124</b>   | <b>87.8</b>  | <b>75.3</b>  | <b>75.1</b>  | <b>34</b>    |              | <b>0.257</b> | <b>J</b>    | <b>0.874</b> | <b>J</b>    |          |              |          |  |

Table 4B. Historical Groundwater PFAS Analysis Results

UniFirst Corporation

Liverpool, NY

BCP Site No. 734152

| Analyte                                                           | Units | CAS No.     | Sample Name<br>Sample Date<br>Parent Sample<br>NYS AWQS | MW5I<br>3/12/2025 |   | MW5I<br>6/17/2025 |   | MW5I<br>9/24/2025 |   | MW6<br>11/28/2023 |   | MW7<br>11/28/2023 |   | MW8<br>11/29/2023 |   | MW11<br>11/29/2023 |   | MW12S<br>11/30/2023 |   |      |   |
|-------------------------------------------------------------------|-------|-------------|---------------------------------------------------------|-------------------|---|-------------------|---|-------------------|---|-------------------|---|-------------------|---|-------------------|---|--------------------|---|---------------------|---|------|---|
|                                                                   |       |             |                                                         |                   |   |                   |   |                   |   |                   |   |                   |   |                   |   |                    |   |                     |   |      |   |
| PFAS                                                              | ng/L  |             |                                                         |                   |   |                   |   |                   |   |                   |   |                   |   |                   |   |                    |   |                     |   |      |   |
| 11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS) |       | 763051-92-9 | NE                                                      | 6.27              | U | 5.98              | U | 1.6               | U | --                |   | --                |   | --                |   | --                 |   | --                  |   | --   |   |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)                      |       | 914637-49-3 | NE                                                      | 39.2              | U | 37.4              | U | 8.2               | U | --                |   | --                |   | --                |   | --                 |   | --                  |   | --   |   |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA)                        |       | 812-70-4    | NE                                                      | 39.2              | U | 37.4              | U | 8.2               | U | --                |   | --                |   | --                |   | --                 |   | --                  |   | --   |   |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA)                        |       | 356-02-5    | NE                                                      | 7.83              | U | 7.47              | U | 3.3               | U | --                |   | --                |   | --                |   | --                 |   | --                  |   | --   |   |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA)                       |       | 919005-14-4 | NE                                                      | 6.27              | U | 5.98              | U | 1.6               | U | --                |   | --                |   | --                |   | --                 |   | --                  |   | --   |   |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)   |       | 756426-58-1 | NE                                                      | 6.27              | U | 5.98              | U | 1.6               | U | --                |   | --                |   | --                |   | --                 |   | --                  |   | --   |   |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)                     |       | 4151-50-2   | NE                                                      | 1.57              | U | 1.49              | U | 1.6               | U | --                |   | --                |   | --                |   | --                 |   | --                  |   | --   |   |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)              |       | 1691-99-2   | NE                                                      | 15.7              | U | 14.9              | U | 8.2               | U | --                |   | --                |   | --                |   | --                 |   | --                  |   | --   |   |
| N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)          |       | 2991-50-6   | NE                                                      | 1.57              | U | 1.49              | U | 1.6               | U | 1.93              | U | 1.84              | U | 1.89              | U | 1.86               | U | 1.87                | U | 1.87 | U |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)                    |       | 31506-32-8  | NE                                                      | 1.57              | U | 1.49              | U | 1.6               | U | --                |   | --                |   | --                |   | --                 |   | --                  |   | --   |   |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)             |       | 24448-09-7  | NE                                                      | 15.7              | U | 14.9              | U | 8.2               | U | --                |   | --                |   | --                |   | --                 |   | --                  |   | --   |   |
| N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)         |       | 2355-31-9   | NE                                                      | 1.57              | U | 1.49              | U | 1.6               | U | 1.93              | U | 1.84              | U | 1.89              | U | 1.86               | U | 1.87                | U | 1.87 | U |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)                        |       | 151772-58-6 | NE                                                      | 3.13              | U | 2.99              | U | 1.6               | U | --                |   | --                |   | --                |   | --                 |   | --                  |   | --   |   |
| Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)                   |       | 113507-82-7 | NE                                                      | 3.13              | U | 2.99              | U | 1.6               | U | --                |   | --                |   | --                |   | --                 |   | --                  |   | --   |   |
| Perfluoro(2-Propoxypropanoic) Acid                                |       | 13252-13-6  | NE                                                      | 6.27              | U | 5.98              | U | 1.6               | U | --                |   | --                |   | --                |   | --                 |   | --                  |   | --   |   |
| Perfluoro-3-methoxypropanoic acid (PFMPA)                         |       | 377-73-1    | NE                                                      | 3.13              | U | 2.99              | U | 1.6               | U | --                |   | --                |   | --                |   | --                 |   | --                  |   | --   |   |
| Perfluoro-4-methoxybutanoic acid (PFMBA)                          |       | 863090-89-5 | NE                                                      | 3.13              | U | 2.99              | U | 1.6               | U | --                |   | --                |   | --                |   | --                 |   | --                  |   | --   |   |
| Perfluorobutanesulfonic acid (PFBS)                               |       | 375-73-5    | NE                                                      | 1.57              | U | 1.49              | U | 1.6               | U | 1.93              | U | 1.84              | U | 2.91              |   | 1.16               | J | 2.48                |   |      |   |
| Perfluorobutanoic acid (PFBA)                                     |       | 375-22-4    | NE                                                      | 2.19              | J | 2.03              | J | 1.7               | J | 1.31              | J | 2.16              |   | 10.8              |   | 3.06               |   | 5.65                |   |      |   |
| Perfluorodecanesulfonic acid (PFDS)                               |       | 335-77-3    | NE                                                      | 1.57              | U | 1.49              | U | 1.6               | U | 1.93              | U | 1.84              | U | 1.89              | U | 1.86               | U | 1.87                | U | 1.87 | U |
| Perfluorodecanoic acid (PFDA)                                     |       | 335-76-2    | NE                                                      | 1.57              | U | 1.49              | U | 1.6               | U | 1.93              | U | 1.84              | U | 1.89              | U | 1.86               | U | 1.87                | U | 1.87 | U |
| Perfluorododecanesulfonic Acid (PFDoS)                            |       | 79780-39-5  | NE                                                      | 1.57              | U | 1.49              | U | 1.6               | U | --                |   | --                |   | --                |   | --                 |   | --                  |   | --   |   |
| Perfluorododecanoic acid (PFDoA)                                  |       | 307-55-1    | NE                                                      | 1.57              | U | 1.49              | U | 1.6               | U | 1.93              | U | 1.84              | U | 1.89              | U | 1.86               | U | 1.87                | U | 1.87 | U |
| Perfluoroheptanesulfonic acid (PFHpS)                             |       | 375-92-8    | NE                                                      | 1.57              | U | 1.49              | U | 1.6               | U | 1.93              | U | 1.84              | U | 1.89              | U | 1.86               | U | 1.87                | U | 1.87 | U |
| Perfluoroheptanoic acid (PFHpA)                                   |       | 375-85-9    | NE                                                      | 1.57              | U | 0.471             | J | 1.5               | J | 1.93              | U | 1.84              | U | 8.44              |   | 1.86               | J | 3.02                |   |      |   |
| Perfluorohexanoic acid (PFHxA)                                    |       | 307-24-4    | NE                                                      | 0.407             | J | 1.41              | J | 4.4               |   | 1.93              | U | 1                 | J | 12.7              |   | 2.69               |   | 5.11                |   |      |   |
| Perfluorononanesulfonic Acid (PfnS)                               |       | 68259-12-1  | NE                                                      | 1.57              | U | 1.49              | U | 1.6               | U | --                |   | --                |   | --                |   | --                 |   | --                  |   | --   |   |
| Perfluorooctanesulfonamide (FOSA)                                 |       | 754-91-6    | NE                                                      | 1.57              | U | 1.49              | U | 1.6               | U | 1.93              | U | 1.84              | U | 1.89              | U | 1.86               | U | 1.87                | U | 1.87 | U |
| Perfluoropentanesulfonic Acid (PFpS)                              |       | 2706-91-4   | NE                                                      | 1.57              | U | 1.49              | U | 1.6               | U | --                |   | --                |   | --                |   | --                 |   | --                  |   | --   |   |
| Perfluoropentanoic Acid (PFPeA)                                   |       | 2706-90-3   | NE                                                      | 0.47              | J | 1.33              | J | 4.9               |   | 0.717             | J | 1.73              | J | 21                |   | 3.47               |   | 6.97                |   |      |   |
| Perfluorotetradecanoic acid (PFTA/PFTeDA)                         |       | 376-06-7    | NE                                                      | 1.57              | U | 1.49              | U | 1.6               | U | 1.93              | U | 1.84              | U | 1.89              | U | 1.86               | U | 1.87                | U | 1.87 | U |
| Perfluorotridecanoic acid (PFTriA/PFTrDA)                         |       | 72629-94-8  | NE                                                      | 1.57              | U | 1.49              | U | 1.6               | U | 1.93              | U | 1.84              | U | 1.89              | U | 1.86               | U | 1.87                | U | 1.87 | U |
| Perfluoroundecanoic acid (PFUnA)                                  |       | 2058-94-8   | NE                                                      | 1.57              | U | 1.49              | U | 1.6               | U | 1.93              | U | 1.84              | U | 1.89              | U | 1.86               | U | 1.87                | U | 1.87 | U |
| Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)                |       | 39108-34-4  | NE                                                      | 6.27              | U | 5.98              | U | 3.3               | U | 1.93              | U | 1.84              | U | 1.89              | U | 1.86               | U | 1.87                | U | 1.87 | U |
| Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)                |       | 757124-72-4 | NE                                                      | 6.27              | U | 5.98              | U | 3.3               | U | --                |   | --                |   | --                |   | --                 |   | --                  |   | --   |   |
| Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)                |       | 27619-97-2  | NE                                                      | 39.2              |   | 25.8              |   | 39                |   | 1.93              | U | 1.84              | U | 1.89              | U | 1.86               | U | 1.87                | U | 1.87 | U |
| Perfluorohexanesulfonic acid (PFHxS)                              |       | 355-46-4    | NE                                                      | 0.462             | J | 0.508             | J | 1.1               | J | 1.93              | U | 1.84              | U | 1.89              | U | 0.63               | J | 0.998               | J |      |   |
| Perfluorononanoic Acid (PFNA)                                     |       | 375-95-1    | NE                                                      | 1.57              | U | 1.49              | U | 1.6               | U | 1.93              | U | 1.84              | U | 0.662             | J | 1.24               | J | 1.2                 | J |      |   |
| Perfluorooctanesulfonic acid (PFOS)                               |       | 1763-23-1   | 2.7                                                     | 0.509             | J | 0.448             | J | 1.6               | U | 1.93              | U | 1.84              | U | 1.89              | U | 9.53               |   | 10.3                |   |      |   |
| Perfluorooctanoic Acid (PFOA)                                     |       | 335-67-1    | 6.7                                                     | 1.57              | U | 0.247             | J | 1.6               | U | 1.93              | U | 1.84              | U | 8.09              |   | 3.95               |   | 5.35                | J |      |   |
| PFOA/PFOS, Total                                                  |       | N/A         | NE                                                      | 0.509             | J | 0.695             | J | 1.6               | U | 1.93              | U | 1.84              | U | 8.09              |   | 13.5               |   | 15.7                |   |      |   |

**Table 4C. Historical Groundwater Natural Attenuation Parameter Results**  
**UniFirst Corporation**  
**Liverpool, NY**  
**BCP Site No. 734152**

|                               |            |                   | MW1<br>11/22/2021 | MW1<br>2/28/2022 | MW1_G<br>2/7/2023 | MW1R<br>7/6/2023 | MW1R<br>11/30/2023 | MW1R<br>12/11/2024 | MW1R<br>3/12/2025 | MW1R<br>9/24/2025 |         |     |         |   |    |
|-------------------------------|------------|-------------------|-------------------|------------------|-------------------|------------------|--------------------|--------------------|-------------------|-------------------|---------|-----|---------|---|----|
| Analyte                       | Units      | CAS No.           |                   |                  |                   |                  |                    |                    |                   |                   |         |     |         |   |    |
| <b>Dissolved Gases</b>        | ug/L       |                   |                   |                  |                   |                  |                    |                    |                   |                   |         |     |         |   |    |
| Ethane                        |            | 74-84-0           | --                | --               | 4.38              | 3.69             | 0.89               | 5                  | J                 | 3.9               | J       | 5.2 | J       |   |    |
| Ethene                        |            | 74-85-1           | --                | --               | 0.5               | U                | 3.82               | 4.05               | 17                | U                 | 17      | U   | 7       | U |    |
| Methane                       |            | 74-82-8           | --                | --               | 76.5              |                  | 182                | 203                | 970               |                   | 400     |     | 1,800   |   |    |
| <b>General Chemistry</b>      |            |                   |                   |                  |                   |                  |                    |                    |                   |                   |         |     |         |   |    |
| 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  |     |         |   |    |
| <b>Metals</b>                 | ug/L       |                   |                   |                  |                   |                  |                    |                    |                   |                   |         |     |         |   |    |
| Iron, Dissolved               |            | 7439-89-6         | --                | --               | 21.1              | J                | 294                | J                  | 418               | 182               | 3,490   |     | 210     |   |    |
| Iron, Total                   |            | 7439-89-6         | --                | 96.5             | 70,900            |                  | 44,600             | 465                | 1,290             | 4,000             | 610     |     |         |   |    |
| Manganese                     |            | 7439-96-5         | --                | 146.2            | --                |                  | --                 | 609.9              | --                | --                | --      |     |         |   |    |
| <b>Volatile Fatty Acids</b>   | 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 | -- |

**Table 4C. Historical Groundwater Natural Attenuation Parameter Results**

UniFirst Corporation  
 Liverpool, NY  
 BCP Site No. 734152

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

**Table 4C. Historical Groundwater Natural Attenuation Parameter Results**

UniFirst Corporation  
 Liverpool, NY  
 BCP Site No. 734152

|                               |            |                   | MW3S_G<br>2/7/2023 | MW3S<br>7/6/2023 | MW3S<br>12/1/2023 | MW3S<br>12/10/2024 | MW3S<br>3/12/2025 | MW3S<br>6/17/2025 | MW3S<br>9/24/2025 |
|-------------------------------|------------|-------------------|--------------------|------------------|-------------------|--------------------|-------------------|-------------------|-------------------|
| Analyte                       | Units      | CAS No.           |                    |                  |                   |                    |                   |                   |                   |
| <b>Dissolved Gases</b>        | ug/L       |                   |                    |                  |                   |                    |                   |                   |                   |
| Ethane                        |            | 74-84-0           | 188                | 1,050            | 944               | 1,500              | 1,200             | 560               | 1,100             |
| Ethene                        |            | 74-85-1           | 497                | 3,110            | 4,250             | 18,000             | 15,000            | 14,000            | 29,000            |
| Methane                       |            | 74-82-8           | 1,820              | 4,630            | 4,510             | 6,900              | 6,300             | 3,500             | 6,800             |
| <b>General Chemistry</b>      |            |                   |                    |                  |                   |                    |                   |                   |                   |
| DO                            | mg/L       | (field parameter) | --                 | 0.46             | 0.51              | 0.00               | 0.00              | 0.35              | 0.05              |
| Oxidation Reduction Potential | millivolts | (field parameter) | --                 | -74              | -69.7             | -39                | -91               | -129              | -104              |
| pH                            | s.u.       | (field parameter) | --                 | 6.37             | 6.45              | 6.48               | 6.5               | 6.55              | 6.54              |
| Sulfate                       | ug/L       | 14808-79-8        | 109,000            | 46,000           | 2,000 J           | 1,010              | --                | 1,160             | 25,000            |
| <b>Metals</b>                 | ug/L       |                   |                    |                  |                   |                    |                   |                   |                   |
| Iron, Dissolved               |            | 7439-89-6         | 2,690              | 39,200 J         | 106,000           | 78,200             | 83,100            | 120,000           | 88,000            |
| Iron, Total                   |            | 7439-89-6         | 104,000            | 44,400           | 98,500            | 72,000             | 84,100            | 91,800            | 91,600            |
| Manganese                     |            | 7439-96-5         | --                 | --               | 3,190             | --                 | --                | --                | --                |
| <b>Volatile Fatty Acids</b>   | 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         | --                | --                |

**Table 4C. Historical Groundwater Natural Attenuation Parameter Results**

UniFirst Corporation  
 Liverpool, NY  
 BCP Site No. 734152

|                               |            |                   | MW3I_G<br>2/8/2023 | MW3I<br>7/6/2023 | MW3I<br>11/30/2023 | MW3I<br>12/10/2024 | MW3I<br>3/12/2025 | MW3I<br>6/17/2025 | MW3I<br>9/24/2025 |
|-------------------------------|------------|-------------------|--------------------|------------------|--------------------|--------------------|-------------------|-------------------|-------------------|
| Analyte                       | Units      | CAS No.           |                    |                  |                    |                    |                   |                   |                   |
| <b>Dissolved Gases</b>        |            |                   |                    |                  |                    |                    |                   |                   |                   |
| Ethane                        | ug/L       | 74-84-0           | 15.4               | 4.67             | 1.31               | 1.9 J              | 3.3 J             | 5.2               | 7.5 U             |
| Ethene                        |            | 74-85-1           | 44.1               | 9.45             | 1.11               | 10 J               | 17 U              | 6                 | 7 U               |
| Methane                       |            | 74-82-8           | 128                | 748              | 277                | 310                | 71                | 31                | 140               |
| <b>General Chemistry</b>      |            |                   |                    |                  |                    |                    |                   |                   |                   |
| DO                            | mg/L       | (field parameter) | --                 | 0.48             | 0.27               | 0.00               | 0.00              | 0.29              | 0.00              |
| Oxidation Reduction Potential | millivolts | (field parameter) | --                 | -116             | -134               | -70                | -45               | -93               | -108              |
| pH                            | s.u.       | (field parameter) | --                 | 7.11             | 7.15               | 7.2                | 7.18              | 7.24              | 7.17              |
| Sulfate                       | ug/L       | 14808-79-8        | 73,600             | 120,000          | 78,000             | 79,000             | --                | 57,800            | 79,900            |
| <b>Metals</b>                 |            |                   |                    |                  |                    |                    |                   |                   |                   |
| Iron, Dissolved               | ug/L       | 7439-89-6         | 21.5 J             | 1,910 J          | 1,170              | 1,370              | 496               | 554               | 1,000             |
| Iron, Total                   |            | 7439-89-6         | 195,000            | 2,500            | 1,230              | 1,370              | 607               | 709               | 1,100             |
| Manganese                     |            | 7439-96-5         | --                 | --               | 47.42              | --                 | --                | --                | --                |
| <b>Volatile Fatty Acids</b>   |            |                   |                    |                  |                    |                    |                   |                   |                   |
| Butyric Acid                  | ug/L       | 107-92-6          | 6,600              | 500 U            | 5,000 U            | 100,000 U          | 200,000 U         | --                | --                |
| 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         | --                | --                |

**Table 4C. Historical Groundwater Natural Attenuation Parameter Results**

UniFirst Corporation  
 Liverpool, NY  
 BCP Site No. 734152

|                               |            |                   | MW4S_G<br>2/8/2023 | DUP01_020823<br>2/8/2023<br>MW4S_G | MW4S<br>7/6/2023 | MW4S<br>12/1/2023 | MW4S<br>12/10/2024 | MW4S<br>3/12/2025 | MW4S<br>6/17/2025 | MW4S<br>9/24/2025 |
|-------------------------------|------------|-------------------|--------------------|------------------------------------|------------------|-------------------|--------------------|-------------------|-------------------|-------------------|
| Analyte                       | Units      | CAS No.           |                    |                                    |                  |                   |                    |                   |                   |                   |
| <b>Dissolved Gases</b>        | ug/L       |                   |                    |                                    |                  |                   |                    |                   |                   |                   |
| Ethane                        |            | 74-84-0           | 520                | --                                 | 578              | 638               | 330                | 42                | 60                | 390               |
| Ethene                        |            | 74-85-1           | 1,720              | --                                 | 60.4             | 65.3              | 22                 | 17 U              | 2.1               | 13                |
| Methane                       |            | 74-82-8           | 3,910              | --                                 | 5,610            | 6,100             | 3,900              | 390               | 790               | 4,600             |
| <b>General Chemistry</b>      |            |                   |                    |                                    |                  |                   |                    |                   |                   |                   |
| DO                            | mg/L       | (field parameter) | --                 | --                                 | 0.24             | 0.88              | 0.00               | 3.28              | 0.00              | 0.15              |
| Oxidation Reduction Potential | millivolts | (field parameter) | --                 | --                                 | 115              | 9.8               | 41                 | 24                | 85                | 80                |
| pH                            | s.u.       | (field parameter) | --                 | --                                 | 6.12             | 6.83              | 6.91               | 7.29              | 7.24              | 6.82              |
| Sulfate                       | ug/L       | 14808-79-8        | 313,000            | --                                 | 190,000          | 150,000           | 148,000            | --                | 143,000           | 131,000           |
| <b>Metals</b>                 | ug/L       |                   |                    |                                    |                  |                   |                    |                   |                   |                   |
| Iron, Dissolved               |            | 7439-89-6         | 2,440 J            | 25 J                               | 604 J            | 382               | 270                | 543               | 1,270             | 81                |
| Iron, Total                   |            | 7439-89-6         | 53,200 J           | 151,000 J                          | 57,100           | 9,000             | 1,900              | 2,360             | 1,340             | 1,500             |
| Manganese                     |            | 7439-96-5         | --                 | --                                 | --               | 1,203             | --                 | --                | --                | --                |
| <b>Volatile Fatty Acids</b>   | 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         | --                | --                |

**Table 4C. Historical Groundwater Natural Attenuation Parameter Results**

UniFirst Corporation  
 Liverpool, NY  
 BCP Site No. 734152

|                               |            |                   | MW4I_G<br>2/8/2023 | MW4I<br>7/6/2023 | MW4I<br>12/1/2023 | DUP-12.1.23<br>12/1/2023<br>MW4I | MW4I<br>12/10/2024 | MW4I<br>3/12/2025 | MW4I<br>6/17/2025 | MW4I<br>9/24/2025 |
|-------------------------------|------------|-------------------|--------------------|------------------|-------------------|----------------------------------|--------------------|-------------------|-------------------|-------------------|
| Analyte                       | Units      | CAS No.           |                    |                  |                   |                                  |                    |                   |                   |                   |
| <b>Dissolved Gases</b>        | ug/L       |                   |                    |                  |                   |                                  |                    |                   |                   |                   |
| Ethane                        |            | 74-84-0           | 16.4               | 44.8             | 32.1              | --                               | 24                 | 16                | 17                | 15                |
| Ethene                        |            | 74-85-1           | 59.4               | 104              | 82.5              | --                               | 70                 | 62                | 62                | 54                |
| Methane                       |            | 74-82-8           | 162                | 1,770            | 2,050             | --                               | 2,000              | 1,300             | 1,200             | 1,400             |
| <b>General Chemistry</b>      |            |                   |                    |                  |                   |                                  |                    |                   |                   |                   |
| DO                            | mg/L       | (field parameter) | --                 | 0.49             | 0.28              | --                               | 0.00               | 0.33              | 0.00              | 0.00              |
| Oxidation Reduction Potential | millivolts | (field parameter) | --                 | -90              | -110.9            | --                               | -62                | -48               | 107               | -72               |
| pH                            | s.u.       | (field parameter) | --                 | 6.78             | 7.01              | --                               | 7.15               | 6.86              | 7.38              | 8.08              |
| Sulfate                       | ug/L       | 14808-79-8        | 99,600             | 140,000          | 150,000           | --                               | 158,000            | --                | 161,000           | 128,000           |
| <b>Metals</b>                 | ug/L       |                   |                    |                  |                   |                                  |                    |                   |                   |                   |
| Iron, Dissolved               |            | 7439-89-6         | 3,690              | 1,230 J          | 1,520             | --                               | 1,670              | 949               | 23.9 J            | 1,300             |
| Iron, Total                   |            | 7439-89-6         | 547,000            | 1,500            | 1,590             | 1,600 J                          | 1,560              | 1,020             | 1,570             | 1,200             |
| Manganese                     |            | 7439-96-5         | --                 | --               | 182.6             | 176.4                            | --                 | --                | --                | --                |
| <b>Volatile Fatty Acids</b>   | ug/L       |                   |                    |                  |                   |                                  |                    |                   |                   |                   |
| Butyric Acid                  |            | 107-92-6          | 11,000             | 500 U            | 5,000 U           | --                               | 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         | --                | --                |

**Table 4. Historical 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

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**Figure 1 Site Location Map**

**Figure 2 Site Plan**

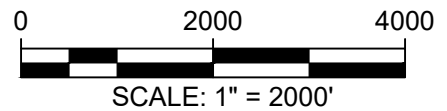
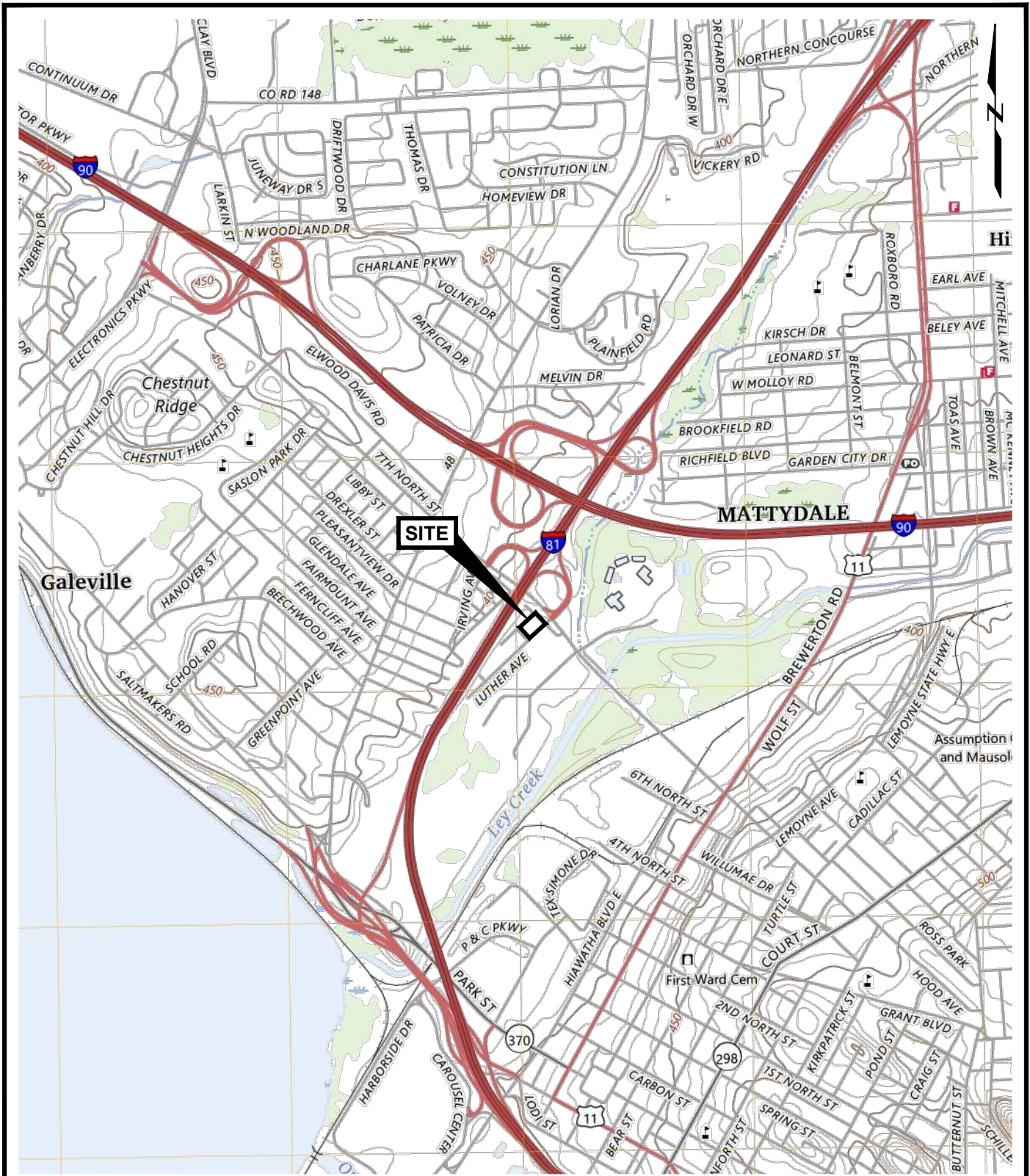
**Figure 3 Groundwater Elevation Summary 9/23/2025**

**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**



**SOURCE:**  
USGS QUADRANGLE MAP OF SYRACUSE WEST, NY 2023.

Quarterly Groundwater Monitoring Report - Q3 2025  
113 7th North Street  
Liverpool, New York

Unifirst Liverpool  
Liverpool, New York

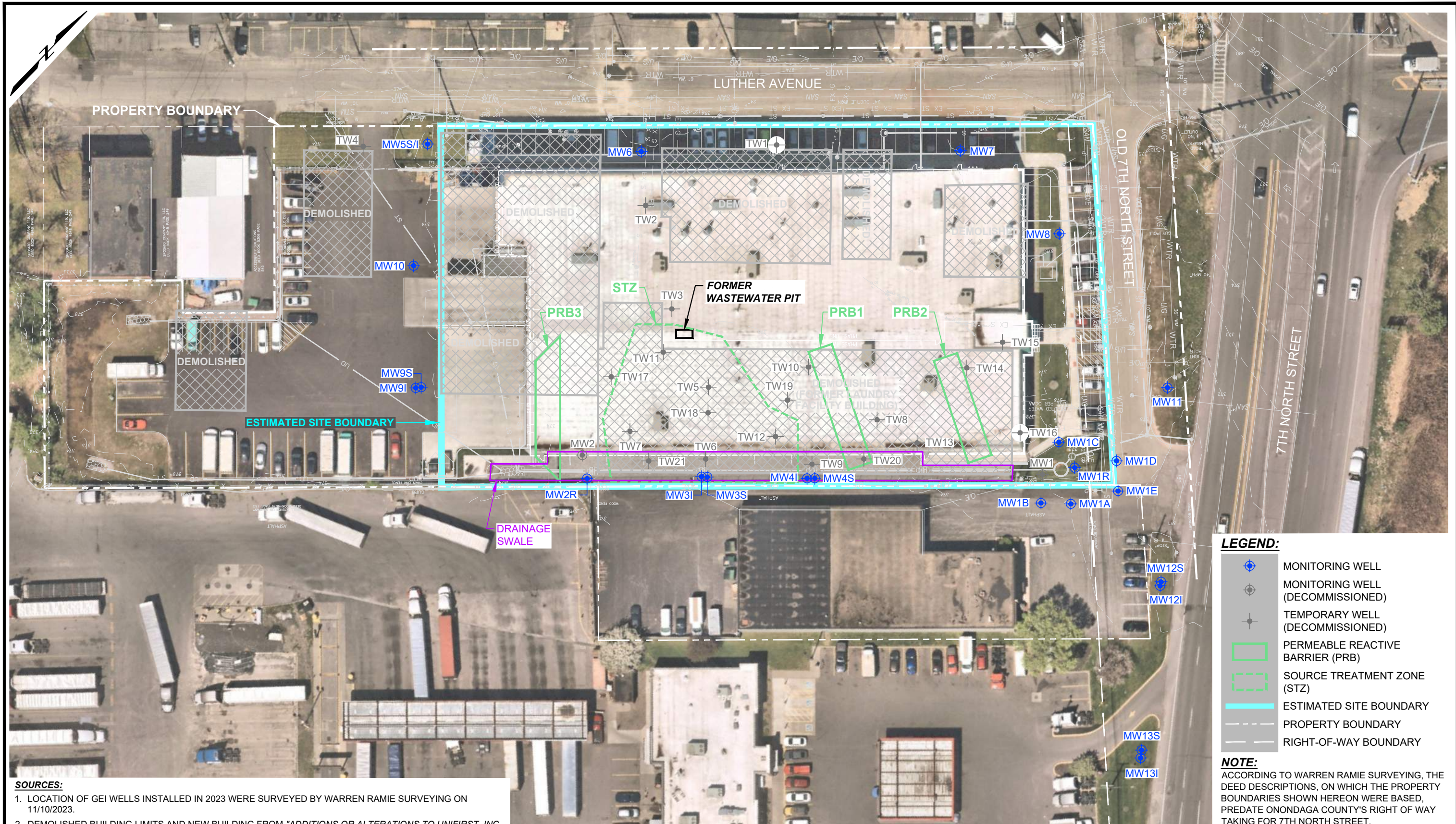


Project 2001642

SITE LOCATION MAP

February 2026

Fig. 1



**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.

**SOURCES:**

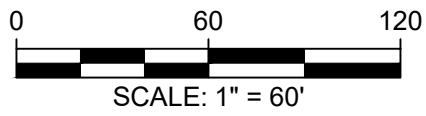
1. LOCATION OF GEI WELLS INSTALLED IN 2023 WERE SURVEYED BY WARREN RAMIE SURVEYING ON 11/10/2023.
2. DEMOLISHED BUILDING LIMITS AND NEW BUILDING FROM "ADDITIONS OR ALTERATIONS TO UNIFIRST, INC. NEW FACILITY, OLD 7th NORTH STREET LIVERPOOL, NEW YORK, SITE PHASING PLAN," SHEETS L-2 REV. 12 DATED 07.05.22. 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.



|                                                   |  |                 |               |
|---------------------------------------------------|--|-----------------|---------------|
| Quarterly Groundwater Monitoring Report - Q3 2025 |  |                 | SITE PLAN     |
| 113 7th North Street<br>Liverpool, New York       |  |                 |               |
| Unifirst Liverpool<br>Liverpool, New York         |  | Project 2001642 | February 2026 |
|                                                   |  |                 | Fig. 2        |

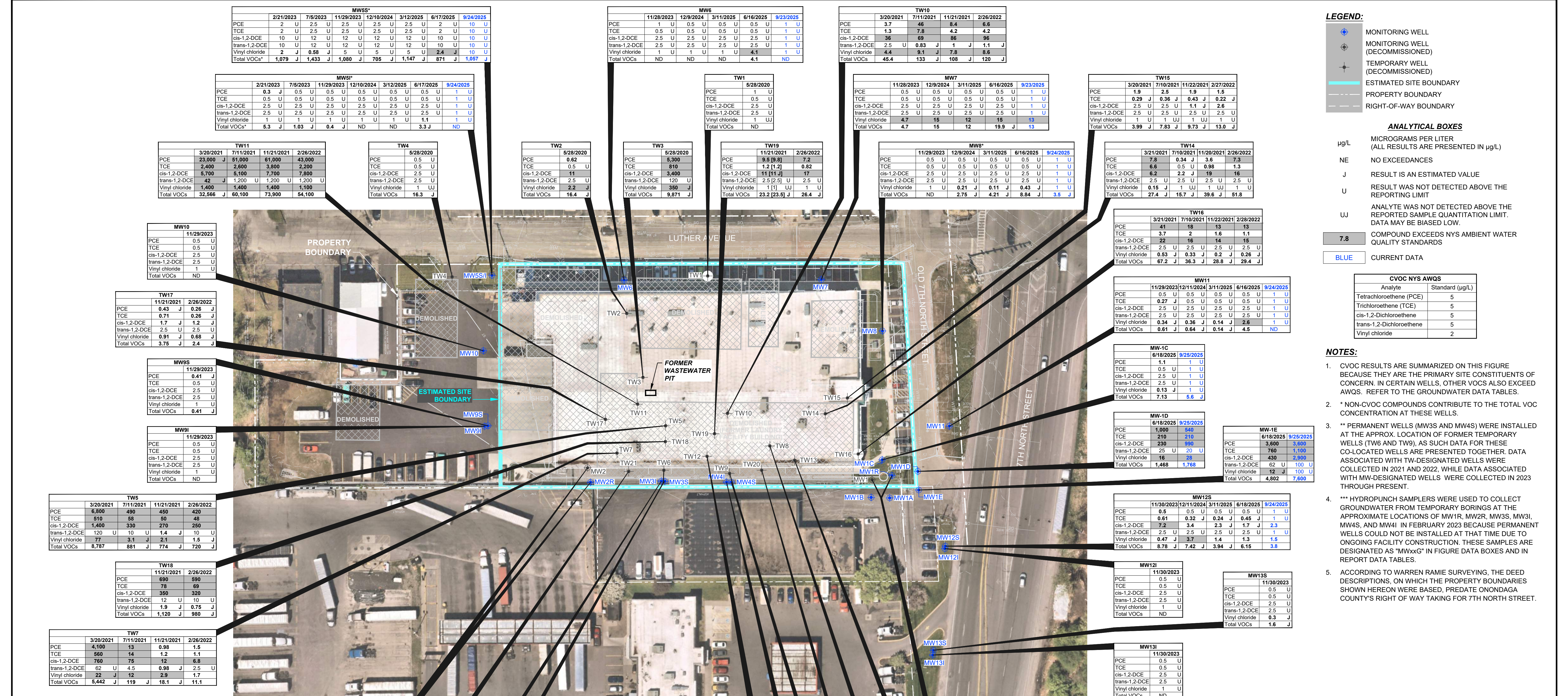


- SOURCES:**
1. LOCATION OF GEI WELLS INSTALLED IN 2023 WERE SURVEYED BY WARREN RAMIE SURVEYING ON 11/10/2023.
  2. DEMOLISHED BUILDING LIMITS AND NEW BUILDING FROM "ADDITIONS OR ALTERATIONS TO UNIFIRST, INC. NEW FACILITY, OLD 7th NORTH STREET LIVERPOOL, NEW YORK, SITE PHASING PLAN," SHEETS L-2 REV.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



- LEGEND:**
- 370 GROUNDWATER CONTOUR DASHED WHERE INFERRED (FEET AMSL) - 9/23/2025
  - 367.01 GROUNDWATER ELEVATION (FEET AMSL) - 9/23/2025
  - 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 - Q3 2025<br>113 7th North Street<br>Liverpool, New York |  |  | GROUNDWATER ELEVATION SUMMARY<br>9/23/2025 |               |
| Unifirst Liverpool<br>Liverpool, New York                                                        |  |  | Project 2001642                            | February 2026 |
|                                                                                                  |  |  | Fig. 3                                     |               |



**LEGEND:**

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

**ANALYTICAL BOXES**

µg/L MICROGRAMS PER LITER (ALL RESULTS ARE PRESENTED IN µg/L)

NE NO EXCEEDANCES

J RESULT IS AN ESTIMATED VALUE

U RESULT WAS NOT DETECTED ABOVE THE REPORTING LIMIT

UJ ANALYTE WAS NOT DETECTED ABOVE THE REPORTED SAMPLE QUANTITATION LIMIT. DATA MAY BE BIASED LOW.

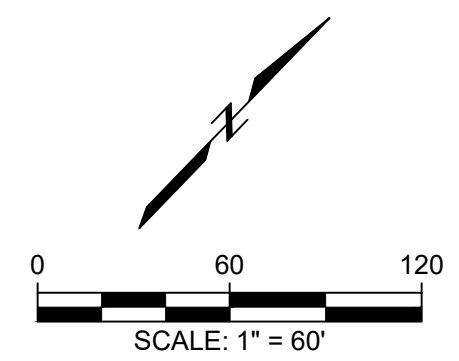
7.8 COMPOUND EXCEEDS NYS AMBIENT WATER QUALITY STANDARDS

BLUE CURRENT DATA

**CVOC NYS AWQS**

| Analyte                  | Standard (µg/L) |
|--------------------------|-----------------|
| Tetrachloroethene (PCE)  | 5               |
| Trichloroethene (TCE)    | 5               |
| cis-1,2-Dichloroethene   | 5               |
| trans-1,2-Dichloroethene | 5               |
| Vinyl chloride           | 2               |

- NOTES:**
- CVOC RESULTS ARE SUMMARIZED ON THIS FIGURE BECAUSE THEY ARE THE PRIMARY SITE CONSTITUENTS OF CONCERN. IN CERTAIN WELLS, OTHER VOCs ALSO EXCEEDED AWQS. REFER TO THE GROUNDWATER DATA TABLES.
  - \* NON-CVOC COMPOUNDS CONTRIBUTE TO THE TOTAL VOC CONCENTRATION AT THESE WELLS.
  - \*\* PERMANENT WELLS (MW3S AND MW4S) WERE INSTALLED AT THE APPROX. LOCATION OF FORMER TEMPORARY WELLS (TW6 AND TW9), AS SUCH DATA FOR THESE CO-LOCATED WELLS ARE PRESENTED TOGETHER. DATA ASSOCIATED WITH TW-DESIGNATED WELLS WERE COLLECTED IN 2021 AND 2022, WHILE DATA ASSOCIATED WITH MW-DESIGNATED WELLS WERE COLLECTED IN 2023 THROUGH PRESENT.
  - \*\*\* HYDROPUNCH SAMPLERS WERE USED TO COLLECT GROUNDWATER FROM TEMPORARY BORINGS AT THE APPROXIMATE LOCATIONS OF MW1R, MW2R, MW3S, MW4S, AND MW4I IN FEBRUARY 2023 BECAUSE PERMANENT WELLS COULD NOT BE INSTALLED AT THAT TIME DUE TO ONGOING FACILITY CONSTRUCTION. THESE SAMPLES ARE DESIGNATED AS "MWxxG" IN FIGURE DATA BOXES AND IN REPORT DATA TABLES.
  - 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.



**MW2/MW2G/MW2R**

|                | 5/28/2020 | 3/20/2021     | 7/11/2021 | 11/21/2021 | 2/26/2022 |
|----------------|-----------|---------------|-----------|------------|-----------|
| PCE            | 4         | 64 [61]       | 0.76      | 2.1        | 0.43 J    |
| TCE            | 0.91      | 7.1 [6.7]     | 0.34 J    | 0.35 J     | 0.5 U     |
| cis-1,2-DCE    | 3.4       | 8.5 [7.8]     | 0.92 J    | 2.5 U      | 2.5 U     |
| trans-1,2-DCE  | 2.5 U     | 2.5 [2.5]     | 2.5 U     | 2.5 U      | 2.5 U     |
| Vinyl chloride | 0.44 J    | 0.66 [0.64] J | 1 U       | 0.09 J     | 1 U       |
| Total VOCs     | 31.9 J    | 134 [130] J   | 31.2 J    | 11.8 J     | 12.1 J    |

**MW4/MW4I**

|                | 2/8/2023 | 7/6/2023 | 11/30/2023 | 12/10/2024 | 3/12/2025 | 6/17/2025 | 9/24/2025 |
|----------------|----------|----------|------------|------------|-----------|-----------|-----------|
| PCE            | 13,000   | 19       | 2.3        | 0.64       | 1.1       | 0.41 J    | 1 U       |
| TCE            | 890      | 18       | 1.4        | 0.6        | 1.6       | 0.75      | 0.53 J    |
| cis-1,2-DCE    | 4,000    | 970      | 140        | 42         | 56        | 5         | 2.9       |
| trans-1,2-DCE  | 250 U    | 25 U     | 2.5 U      | 2.5 U      | 2.5 U     | 2.5 U     | 1 U       |
| Vinyl chloride | 120      | 8.6 J    | 7.3        | 39         | 24        | 6.1       | 8.4       |
| Total VOCs     | 17,960 J | 1,042 J  | 153        | 83         | 83.1 J    | 12.3 J    | 11.8 J    |

**MW1/MW1G/MW1R\***

|                | 5/28/2020 | 3/21/2021 | 7/10/2021 | 11/22/2021 | 2/28/2022 | 7/6/2023 | 11/30/2023 | 12/11/2024 | 3/12/2025 | 9/24/2025 |
|----------------|-----------|-----------|-----------|------------|-----------|----------|------------|------------|-----------|-----------|
| PCE            | 1,400     | 29        | 8.7       | 22         | 25        | 52       | 91         | 0.5 U      | 0.5 U     | 1.5 J     |
| TCE            | 100       | 3.8       | 1.9       | 3.7        | 4 J       | 8.7      | 27         | 0.29 J     | 0.5 U     | 2.5 U     |
| cis-1,2-DCE    | 80        | 17        | 20        | 29         | 24 J      | 37       | 130        | 14         | 0.78 J    | 12 U      |
| trans-1,2-DCE  | 25 U      | 2.5 U     | 2.5 U     | 2.5 U      | 2.5 U     | 2.5 U    | 2.5 U      | 2.5 U      | 2.5 U     | 10 U      |
| Vinyl chloride | 3.7 J     | 0.73 J    | 1.4 J     | 2 J        | 2         | 54       | 14         | 0.57 J     | 0.61 J    | 10 U      |
| Total VOCs     | 1,620 J   | 50.5 J    | 32 J      | 66.7 J     | 55 J      | 99.9 J   | 303 J      | 48.6 J     | 72 J      | 22 J      |

**SOURCES:**

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- SURVEY OF PROPERTIES SOUTH OF SITE BY WARREN RAMIE, PROVIDED IN A FILE NAMED "WRS 7th North Street Boundary 08.15.23.dwg".
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- NEARMAP AERIAL ©2024 NEARMAP, IMAGERY DATED 05/07/2024, ACCESSED ON 08/15/2024.

**MW6/MW3S/MW3S\*\***

|                | 3/21/2021 | 7/11/2021 | 11/21/2021 | 2/27/2022       | 7/6/2023  | 12/10/2024 | 3/12/2025 | 6/17/2025 | 9/24/2025 |
|----------------|-----------|-----------|------------|-----------------|-----------|------------|-----------|-----------|-----------|
| PCE            | 40,000 J  | 21,000    | 20,000     | 34,000 [24,000] | 63,000    | 41,000     | 1,800     | 500 U     | 2,000 U   |
| TCE            | 6,500     | 5,100     | 4,300      | 8,100 [4,900]   | 5,000     | 30,000     | 650       | 500 U     | 2,000 U   |
| cis-1,2-DCE    | 16,000    | 11,000    | 8,400      | 14,000 [10,000] | 100 J     | 90,000     | 190,000   | 92,000    | 100,000   |
| trans-1,2-DCE  | 110       | 170 J     | 500 U      | 620 [620] U     | 57,000    | 1,200 U    | 2,500 U   | 2,500 U   | 2,500 U   |
| Vinyl chloride | 2,200     | 2,400 J   | 970        | 2,100 [1,500]   | 2,800     | 12,000     | 38,000    | 99,000    | 66,000    |
| Total VOCs     | 64,850 J  | 40,670 J  | 33,670     | 58,200 [40,400] | 127,900 J | 173,200 J  | 230,270 J | 191,000   | 166,000   |

**MW13I**

|                | 3/21/2021 | 7/10/2021      | 11/21/2021 | 2/27/2022 |
|----------------|-----------|----------------|------------|-----------|
| PCE            | 40        | 72 [59]        | 70         | 97        |
| TCE            | 7         | 13 [11]        | 14         | 10        |
| cis-1,2-DCE    | 110       | 180 [180]      | 220        | 140       |
| trans-1,2-DCE  | 2.5 U     | 0.82 J [2.5 U] | 5 U        | 2.5 U     |
| Vinyl chloride | 4.6       | 2.2 [2.3] J    | 1.3 J      | 1.1       |
| Total VOCs     | 162       | 268 [252] J    | 305 J      | 210 J     |

Quarterly Groundwater Monitoring Report - Q3 2025  
 113 7th North Street  
 Liverpool, New York

Unifirst Liverpool  
 Liverpool, New York

GEI Consultants  
 Project 2001642 February 2026 Fig. 4a

SUMMARIZED GROUNDWATER ANALYTICAL RESULTS - CVOCs

| MW5S       |            |            |           |           |           |
|------------|------------|------------|-----------|-----------|-----------|
|            | 11/29/2023 | 12/10/2024 | 3/12/2025 | 6/17/2025 | 9/24/2025 |
| PFOS       | 32.2       | 41.4       | 37.9      | 36.3      | 20        |
| PFOA       | 91.5       | 46.4       | 37.4      | 38.8      | 14        |
| Total PFAS | 238 J      | 162 J      | 142 J     | 125.3 J   | 41.5 J    |

| MW5I       |            |            |           |           |           |
|------------|------------|------------|-----------|-----------|-----------|
|            | 11/29/2023 | 12/10/2024 | 3/12/2025 | 6/17/2025 | 9/24/2025 |
| PFOS       | 1.89 U     | 0.531 J    | 0.509 J   | 0.448 J   | 1.6 U     |
| PFOA       | 0.257 J    | 0.343 J    | 1.57 U    | 0.247 J   | 1.6 U     |
| Total PFAS | 46 J       | 106 J      | 43.2 J    | 32.2 J    | 52.6 J    |

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

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

| MW6        |            |
|------------|------------|
|            | 11/28/2023 |
| PFOS       | 1.93 U     |
| PFOA       | 1.93 U     |
| Total PFAS | 2.03 J     |

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

| 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 J  |  |

| MW7        |            |
|------------|------------|
|            | 11/28/2023 |
| PFOS       | 1.84 U     |
| PFOA       | 1.84 U     |
| Total PFAS | 4.89 J     |

| MW8        |            |
|------------|------------|
|            | 11/29/2023 |
| PFOS       | 1.89 U     |
| PFOA       | 8.09       |
| Total PFAS | 64.6 J     |

| TW15       |           |           |
|------------|-----------|-----------|
|            | 3/20/2021 | 2/27/2022 |
| PFOS       | 42.2      | 11.3      |
| PFOA       | 20.8      | 3.8       |
| Total PFAS | 154.52 J  | 217.5 J   |

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

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

| MW1/MW1G/MW1R*** |           |            |
|------------------|-----------|------------|
|                  | 2/28/2022 | 11/30/2023 |
| PFOS             | 61.8 J    | 22.4       |
| PFOA             | 30.7 J    | 6.32       |
| Total PFAS       | 216.59 J  | 71.21 J    |

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

| MW12I      |            |
|------------|------------|
|            | 11/30/2023 |
| PFOS       | 1.9 U      |
| PFOA       | 1.9 U      |
| Total PFAS | 0.913 J    |

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

| MW9I       |            |
|------------|------------|
|            | 11/29/2023 |
| PFOS       | 1.94 U     |
| PFOA       | 1.94 U     |
| Total PFAS | 3.43 J     |

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

| 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 J   |  |

| MW4S       |           |            |           |           |           |
|------------|-----------|------------|-----------|-----------|-----------|
|            | 12/1/2023 | 12/10/2024 | 3/12/2025 | 6/17/2025 | 9/24/2025 |
| PFOS       | 12.9      | 45.4       | 31.2      | 75.0      | 17        |
| PFOA       | 37.5      | 30.9       | 26.8      | 21.2      | 24        |
| Total PFAS | 152       | 159 J      | 235 J     | 161.6 J   | 105 J     |

| MW13I      |            |
|------------|------------|
|            | 11/30/2023 |
| PFOS       | 1.89 U     |
| PFOA       | 1.89 U     |
| Total PFAS | 1.02 J     |

| MW3I/MW3I  |            |            |           |           |           |
|------------|------------|------------|-----------|-----------|-----------|
|            | 11/30/2023 | 12/10/2024 | 3/12/2025 | 6/17/2025 | 9/24/2025 |
| PFOS       | 1.87 U     | 1.63 U     | 3.49      | 0.626 J   | 1.6 U     |
| PFOA       | 1.87 U     | 1.63 U     | 0.288 J   | 1.62 U    | 1.6 U     |
| Total PFAS | 3.1 J      | 2.8 J      | 7.21 J    | 0.626 J   | 0.97 J    |

| MW4I       |               |               |           |           |           |
|------------|---------------|---------------|-----------|-----------|-----------|
|            | 12/1/2023     | 12/10/2024    | 3/12/2025 | 6/17/2025 | 9/24/2025 |
| PFOS       | 1.84 [1.84] U | 1.59 [1.59] U | 1.58 U    | 0.256 J   | 1.5 U     |
| PFOA       | 1.84 [1.84] U | 1.59 [1.59] U | 1.58 U    | 1.51 U    | 1.5 U     |
| Total PFAS | 7.5 [9.6] J   | 2.4 [2.6] J   | 2.68 J    | 1.1 J     | 1.1 J     |

| TW6/MW3SG/MW3S** |           |           |            |           |           |           |
|------------------|-----------|-----------|------------|-----------|-----------|-----------|
|                  | 2/27/2022 | 12/1/2023 | 12/10/2024 | 3/12/2025 | 6/17/2025 | 9/24/2025 |
| PFOS             | 118 [122] | 10.1      | 19.1       | 24.4      | 10.4      | 6.6       |
| PFOA             | 34.1 [35] | 17.2      | 32.2       | 30.4      | 18.3      | 15        |
| Total PFAS       | 296 [302] | 106 J     | 118 J      | 141 J     | 102.8 J   | 54.7      |

**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

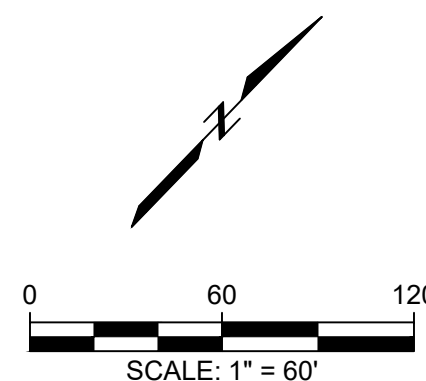
| PFAS NYS AWQS |                 |
|---------------|-----------------|
| Analyte       | Standard (ng/L) |
| PFOS          | 2.7*            |
| PFOA          | 6.7*            |

**NOTES:**

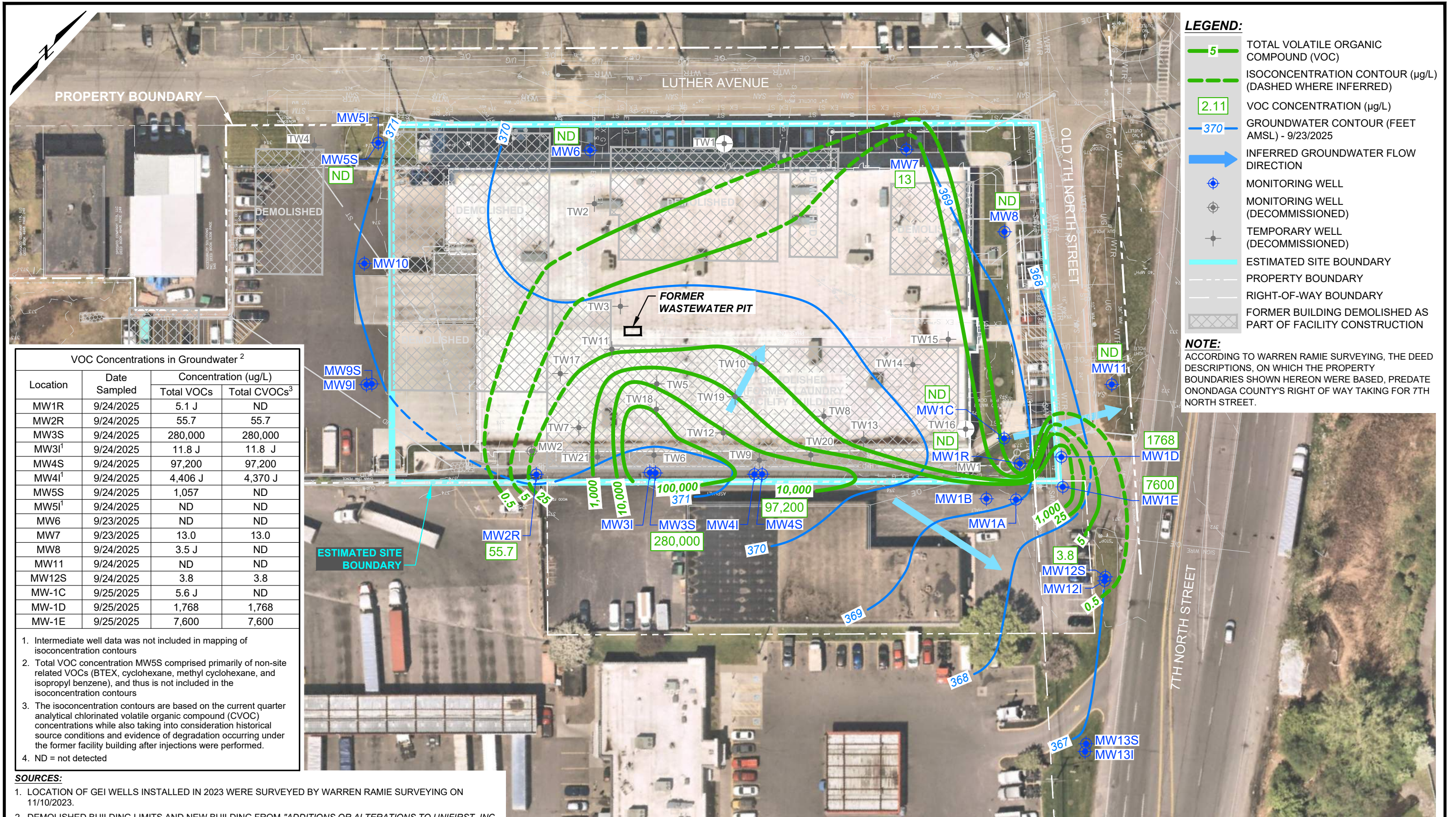
- \* INDICATES THE VALUE IS A GUIDANCE VALUE NOT A STANDARD.
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- ACCORDING TO WARREN RAMIE SURVEYING, THE DEED DESCRIPTIONS, ON WHICH THE PROPERTY BOUNDARIES SHOWN HEREON WERE BASED, PREDATE ONONDAGA COUNTY'S RIGHT OF WAY TAKING FOR 7TH NORTH STREET.

**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 - Q3 2025<br>113 7th North Street<br>Liverpool, New York |  |  | SUMMARIZED GROUNDWATER ANALYTICAL RESULTS - PFAS |               |
| Unifirst Liverpool<br>Liverpool, New York                                                        |  |  | Project 2001642                                  | February 2026 |



**LEGEND:**

- 5 TOTAL VOLATILE ORGANIC COMPOUND (VOC)
- ISOCONCENTRATION CONTOUR (µg/L) (DASHED WHERE INFERRED)
- 2.11 VOC CONCENTRATION (µg/L)
- 370 GROUNDWATER CONTOUR (FEET AMSL) - 9/23/2025
- INFERRED GROUNDWATER FLOW DIRECTION
- ⊕ MONITORING WELL
- ⊕ MONITORING WELL (DECOMMISSIONED)
- ⊕ TEMPORARY WELL (DECOMMISSIONED)
- ESTIMATED SITE BOUNDARY
- PROPERTY BOUNDARY
- RIGHT-OF-WAY BOUNDARY
- FORMER BUILDING DEMOLISHED AS PART OF FACILITY CONSTRUCTION

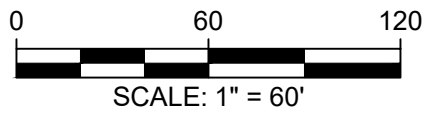
**NOTE:** ACCORDING TO WARREN RAMIE SURVEYING, THE DEED DESCRIPTIONS, ON WHICH THE PROPERTY BOUNDARIES SHOWN HEREON WERE BASED, PREDATE ONONDAGA COUNTY'S RIGHT OF WAY TAKING FOR 7TH NORTH STREET.


VOC Concentrations in Groundwater <sup>2</sup>

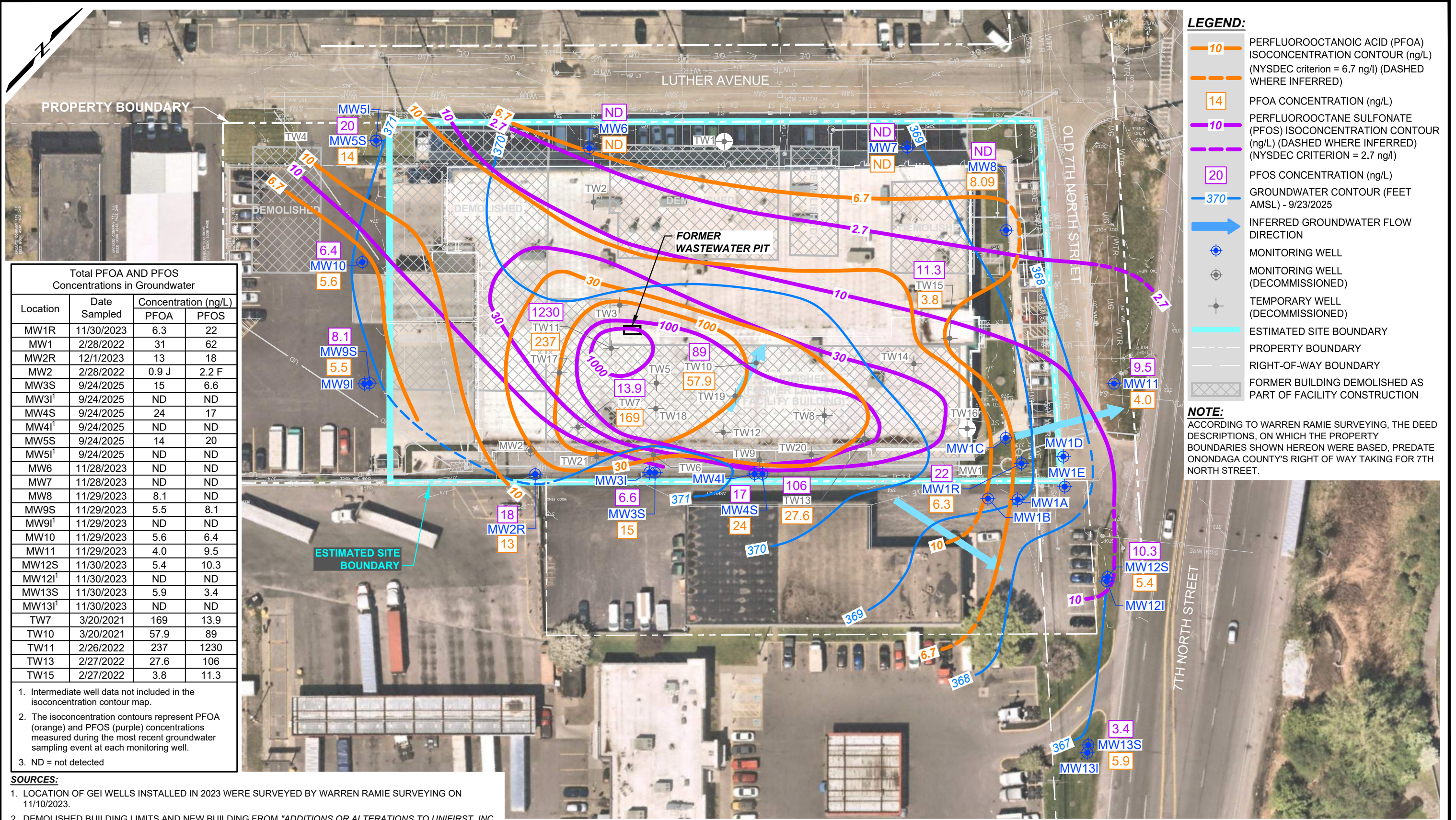
| Location          | Date Sampled | Concentration (µg/L) |                          |
|-------------------|--------------|----------------------|--------------------------|
|                   |              | Total VOCs           | Total CVOCs <sup>3</sup> |
| MW1R              | 9/24/2025    | 5.1 J                | ND                       |
| MW2R              | 9/24/2025    | 55.7                 | 55.7                     |
| MW3S              | 9/24/2025    | 280,000              | 280,000                  |
| MW3I <sup>1</sup> | 9/24/2025    | 11.8 J               | 11.8 J                   |
| MW4S              | 9/24/2025    | 97,200               | 97,200                   |
| MW4I <sup>1</sup> | 9/24/2025    | 4,406 J              | 4,370 J                  |
| MW5S              | 9/24/2025    | 1,057                | ND                       |
| MW5I <sup>1</sup> | 9/24/2025    | ND                   | ND                       |
| MW6               | 9/23/2025    | ND                   | ND                       |
| MW7               | 9/23/2025    | 13.0                 | 13.0                     |
| MW8               | 9/24/2025    | 3.5 J                | ND                       |
| MW11              | 9/24/2025    | ND                   | ND                       |
| MW12S             | 9/24/2025    | 3.8                  | 3.8                      |
| MW-1C             | 9/25/2025    | 5.6 J                | ND                       |
| MW-1D             | 9/25/2025    | 1,768                | 1,768                    |
| MW-1E             | 9/25/2025    | 7,600                | 7,600                    |

1. Intermediate well data was not included in mapping of isoconcentration contours
2. Total VOC concentration MW5S comprised primarily of non-site related VOCs (BTEX, cyclohexane, methyl cyclohexane, and isopropyl benzene), and thus is not included in the isoconcentration contours
3. The isoconcentration contours are based on the current quarter analytical chlorinated volatile organic compound (CVOC) concentrations while also taking into consideration historical source conditions and evidence of degradation occurring under the former facility building after injections were performed.
4. ND = not detected

- 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.



|                                                                                                                                               |                                                                                                                 |                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------|
| Quarterly Groundwater Monitoring Report - Q3 2025<br>113 7th North Street<br>Liverpool, New York<br>Unifirst Liverpool<br>Liverpool, New York | <br><b>GEI</b> Consultants | CVOC ISOCONCENTRATION<br>MAP |
| Project 2001642                                                                                                                               | February 2026                                                                                                   | Fig. 5a                      |



**LEGEND:**

- 10 — PERFLUOROOCCTANOIC ACID (PFOA) ISOCONCENTRATION CONTOUR (ng/L) (NYSDEC criterion = 6.7 ng/l) (DASHED WHERE INFERRED)
- 10 — PFOS ISOCONCENTRATION CONTOUR (ng/L) (DASHED WHERE INFERRED) (NYSDEC CRITERION = 2.7 ng/l)
- 14 PFOA CONCENTRATION (ng/L)
- 10 PFOS CONCENTRATION (ng/L)
- 20 PFOS CONCENTRATION (ng/L)
- 370 — GROUNDWATER CONTOUR (FEET AMSL) - 9/23/2025
- INFERRED GROUNDWATER FLOW DIRECTION
- MONITORING WELL
- MONITORING WELL (DECOMMISSIONED)
- TEMPORARY WELL (DECOMMISSIONED)
- ESTIMATED SITE BOUNDARY
- PROPERTY BOUNDARY
- RIGHT-OF-WAY BOUNDARY
- FORMER BUILDING DEMOLISHED AS PART OF FACILITY CONSTRUCTION

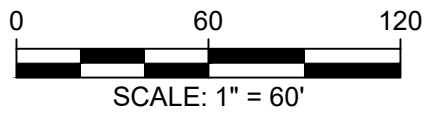
**NOTE:**  
 ACCORDING TO WARREN RAMIE SURVEYING, THE DEED DESCRIPTIONS, ON WHICH THE PROPERTY BOUNDARIES SHOWN HEREON WERE BASED, PREDATE ONONDAGA COUNTY'S RIGHT OF WAY TAKING FOR 7TH NORTH STREET.

**Total PFOA AND PFOS Concentrations in Groundwater**

| Location           | Date Sampled | Concentration (ng/L) |       |
|--------------------|--------------|----------------------|-------|
|                    |              | PFOA                 | PFOS  |
| MW1R               | 11/30/2023   | 6.3                  | 22    |
| MW1                | 2/28/2022    | 31                   | 62    |
| MW2R               | 12/1/2023    | 13                   | 18    |
| MW2                | 2/28/2022    | 0.9 J                | 2.2 F |
| MW3S               | 9/24/2025    | 15                   | 6.6   |
| MW31 <sup>1</sup>  | 9/24/2025    | ND                   | ND    |
| MW4S               | 9/24/2025    | 24                   | 17    |
| MW41 <sup>1</sup>  | 9/24/2025    | ND                   | ND    |
| MW5S               | 9/24/2025    | 14                   | 20    |
| MW51 <sup>1</sup>  | 9/24/2025    | ND                   | ND    |
| MW6                | 11/28/2023   | ND                   | ND    |
| MW7                | 11/28/2023   | ND                   | ND    |
| MW8                | 11/29/2023   | 8.1                  | ND    |
| MW9S               | 11/29/2023   | 5.5                  | 8.1   |
| MW91 <sup>1</sup>  | 11/29/2023   | ND                   | ND    |
| MW10               | 11/29/2023   | 5.6                  | 6.4   |
| MW11               | 11/29/2023   | 4.0                  | 9.5   |
| MW12S              | 11/30/2023   | 5.4                  | 10.3  |
| MW121 <sup>1</sup> | 11/30/2023   | ND                   | ND    |
| MW13S              | 11/30/2023   | 5.9                  | 3.4   |
| MW131 <sup>1</sup> | 11/30/2023   | ND                   | ND    |
| TW7                | 3/20/2021    | 169                  | 13.9  |
| TW10               | 3/20/2021    | 57.9                 | 89    |
| TW11               | 2/26/2022    | 237                  | 1230  |
| TW13               | 2/27/2022    | 27.6                 | 106   |
| TW15               | 2/27/2022    | 3.8                  | 11.3  |

1. Intermediate well data not included in the isoconcentration contour map.
2. The isoconcentration contours represent PFOA (orange) and PFOS (purple) concentrations measured during the most recent groundwater sampling event at each monitoring well.
3. ND = not detected

- 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".
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  5. NEARMAP AERIAL ©2024 NEARMAP, IMAGERY DATED 05/07/2024, ACCESSED ON 08/15/2024.



Quarterly Groundwater Monitoring Report - Q3 2025  
 113 7th North Street  
 Liverpool, New York  
 Unifirst Liverpool  
 Liverpool, New York



PFOA AND PFOS  
 ISOCONCENTRATION MAP  
 Project 2001642 December 2025 Fig. 5b

## **Appendix A Waste Disposal Documentation**

---

|                                         |                                           |                   |                                               |                                                     |
|-----------------------------------------|-------------------------------------------|-------------------|-----------------------------------------------|-----------------------------------------------------|
| <b>UNIFORM HAZARDOUS WASTE MANIFEST</b> | 1. Generator ID Number<br>NYR 000 250 514 | 2. Page 1 of<br>1 | 3. Emergency Response Phone<br>(800) 862-4672 | 4. Manifest Tracking Number<br><b>003465649 GBF</b> |
|-----------------------------------------|-------------------------------------------|-------------------|-----------------------------------------------|-----------------------------------------------------|

|                                                                                                              |                                                                                                       |
|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| 5. Generator's Name and Mailing Address<br>UNIFIRST LIVERPOOL<br>113 7TH NORTH STREET<br>LIVERPOOL, NY 13088 | Generator's Site Address (if different than mailing address)<br>103 LUTHER AVE<br>LIVERPOOL, NY 13088 |
| Generator's Phone: 13391 221-3521                                                                            |                                                                                                       |

|                                                                  |                                     |
|------------------------------------------------------------------|-------------------------------------|
| 6. Transporter 1 Company Name<br>ACV ENVIRONMENTAL SERVICES INC. | U.S. EPA ID Number<br>NJ003 812 047 |
|------------------------------------------------------------------|-------------------------------------|

|                                                                         |                                     |
|-------------------------------------------------------------------------|-------------------------------------|
| 7. Transporter 2 Company Name<br>Environmental Services Group Inc. (NY) | U.S. EPA ID Number<br>NY09867039021 |
|-------------------------------------------------------------------------|-------------------------------------|

|                                                                                                                        |                                    |
|------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| 8. Designated Facility Name and Site Address<br>CHEMICAL SOLVENTS, INC.<br>1010 OLD DENISON AVE<br>CLEVELAND, OH 44109 | U.S. EPA ID Number<br>OH0980897658 |
| Facility's Phone:                                                                                                      |                                    |

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers |      | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |      |      |
|--------|----------------------------------------------------------------------------------------------------------------|----------------|------|--------------------|-------------------|-----------------|------|------|
|        |                                                                                                                | No.            | Type |                    |                   |                 |      |      |
|        | RCRA 113.002, Hazardous waste, liquid, n.o.s. (Trichloroethylene, Vinyl Chloride), 9, PGIII, ERG #171          | 003            | DRM  | 01200              | P                 | U040            | D043 | U050 |
| 2.     |                                                                                                                |                |      |                    |                   |                 |      |      |
| 3.     |                                                                                                                |                |      |                    |                   |                 |      |      |
| 4.     |                                                                                                                |                |      |                    |                   |                 |      |      |

14. Special Handling Instructions and Additional Information  
 51157 TRANSPOUR PHS 7088 / PO 7213 15503 (W:63.03.284100)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

|                                                              |                        |       |     |      |
|--------------------------------------------------------------|------------------------|-------|-----|------|
| Generator's/Offeror's Printed/Typed Name<br>Catherine M. ... | Signature<br>C. M. ... | Month | Day | Year |
|--------------------------------------------------------------|------------------------|-------|-----|------|

16. International Shipments  Import to U.S.  Export from U.S. Port of entry/exit: \_\_\_\_\_ Date leaving U.S.: \_\_\_\_\_

17. Transporter Acknowledgment of Receipt of Materials

|                                  |           |       |     |      |
|----------------------------------|-----------|-------|-----|------|
| Transporter 1 Printed/Typed Name | Signature | Month | Day | Year |
| Transporter 2 Printed/Typed Name | Signature | Month | Day | Year |

18. Discrepancy

18a. Discrepancy Indication Space  Quantity  Type  Residue  Partial Rejection  Full Rejection

18b. Alternate Facility (or Generator) Manifest Reference Number: \_\_\_\_\_ U.S. EPA ID Number \_\_\_\_\_

Facility's Phone: \_\_\_\_\_

18c. Signature of Alternate Facility (or Generator) \_\_\_\_\_ Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

|    |    |    |    |
|----|----|----|----|
| 1. | 2. | 3. | 4. |
|----|----|----|----|

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 19a

|                    |           |       |     |      |
|--------------------|-----------|-------|-----|------|
| Printed/Typed Name | Signature | Month | Day | Year |
|--------------------|-----------|-------|-----|------|

## Appendix B Laboratory Report

---



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Ms. Abigail Jock  
GEI Consultants Inc  
950 Danby Road  
Suite 201-F  
Ithaca, New York 14850  
Generated 10/20/2025 5:52:41 PM

## JOB DESCRIPTION

Unifirst – Liverpool, NY

## JOB NUMBER

480-232963-1

# 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



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Authorized for release by  
Kavya Boyina, Project Manager  
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Designee for  
John Schove, Project Manager II  
[John.Schove@et.eurofinsus.com](mailto:John.Schove@et.eurofinsus.com)  
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# Definitions/Glossary

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

Job ID: 480-232963-1

## Qualifiers

### GC/MS VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| 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. |
| S1+       | Surrogate recovery exceeds control limits, high biased.                                                        |

### 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                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| *-        | LCS and/or LCSD is outside acceptance limits, low biased.                                                      |
| *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. |

## 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                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

# Case Narrative

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

Job ID: 480-232963-1

**Job ID: 480-232963-1**

**Eurofins Buffalo**

## Job Narrative 480-232963-1

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 9/26/2025 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.9°C and 3.2°C.

### GC/MS VOA

Method 8260C: The following sample was diluted due to the nature of the sample matrix: MW1R (480-232963-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW3S (480-232963-3), MW4S (480-232963-5), MW4I (480-232963-6), MW5S (480-232963-7), MW1D (480-232963-15), MW1E (480-232963-16), (480-232963-F-6 MS) and (480-232963-F-6 MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: Surrogate recovery for the following sample was outside control limits: MW5S (480-232963-7). Evidence of matrix interference is present; therefore, re-analysis was not performed.

Method 8260C: The continuing calibration verification (CCV) associated with batch 758407 recovered above the upper control limit for Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are: MW1R (480-232963-1), MW2R (480-232963-2), MW3S (480-232963-3), MW4S (480-232963-5), MW4I (480-232963-6), MW5S (480-232963-7), MW5I (480-232963-8), MW6 (480-232963-9), MW7 (480-232963-10), MW8 (480-232963-11), MW11 (480-232963-12), MW12S (480-232963-13), MW1C (480-232963-14), MW1D (480-232963-15), MW1E (480-232963-16) and TB (480-232963-17).

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-758407 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

### GC VOA

Method RSK\_175: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW1R (480-232963-1), MW2R (480-232963-2), MW3S (480-232963-3), MW4S (480-232963-5) and MW4I (480-232963-6). Elevated reporting limits (RLs) are provided.

Method RSK\_175: The %RPD between the primary and confirmation detector exceeded 40% for Ethene for the following sample: MW4S (480-232963-5). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

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

### PFAS

Method 1633A: Analyte Perfluoroheptanesulfonic acid (PFHpS) and Perfluorononanoic acid (PFNA) was marked as non-detect for sample MW5S (480-232963-7) due to a detection below RL and failing ion ratio.

Method 1633A: The labeled isotopes 13C2 4:2 FTS are outside QC acceptance limits. Since the recovery in sample MW5S (480-232963-7) is less than 350%, the data is reported.

Eurofins Buffalo

## Case Narrative

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

Job ID: 480-232963-1

**Job ID: 480-232963-1 (Continued)**

**Eurofins Buffalo**

Method 1633A: The transition mass ratio for Perfluorooctanesulfonic acid (PFOS) in sample MW3S (480-232963-3) in analytical batch 410-710552 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 labeled isotopes  $^{13}\text{C}_2$  4:2 FTS are outside QC acceptance limits. Since the recovery in sample MW3S (480-232963-3) is less than 350%, the data is reported.

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 (480-232963-1), MW2R (480-232963-2), MW3S (480-232963-3) and MW3I (480-232963-4). Elevated reporting limits (RLs) are provided.

Method 300.0\_28D: The following samples were diluted due to the nature of the sample matrix: MW4S (480-232963-5) and MW4I (480-232963-6). 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: 480-232963-1

## Client Sample ID: MW1R

## Lab Sample ID: 480-232963-1

| Analyte         | Result | Qualifier | RL    | MDL   | Unit | Dil Fac | D | Method  | Prep Type |
|-----------------|--------|-----------|-------|-------|------|---------|---|---------|-----------|
| Xylenes, Total  | 5.1    | J         | 10    | 3.3   | ug/L | 5       |   | 8260C   | Total/NA  |
| Ethane          | 5.2    | J         | 7.5   | 1.5   | ug/L | 1       |   | RSK-175 | Total/NA  |
| Methane - DL    | 1800   |           | 88    | 22    | ug/L | 22      |   | RSK-175 | Total/NA  |
| Iron            | 0.61   |           | 0.050 | 0.019 | mg/L | 1       |   | 6010D   | Total/NA  |
| Iron, Dissolved | 0.21   |           | 0.050 | 0.019 | mg/L | 1       |   | 6010D   | Dissolved |
| Sulfate         | 30.6   |           | 10.0  | 1.7   | mg/L | 5       |   | 300.0   | Total/NA  |

## Client Sample ID: MW2R

## Lab Sample ID: 480-232963-2

| Analyte                  | Result | Qualifier | RL    | MDL   | Unit | Dil Fac | D | Method  | Prep Type |
|--------------------------|--------|-----------|-------|-------|------|---------|---|---------|-----------|
| cis-1,2-Dichloroethene   | 39     |           | 1.0   | 0.81  | ug/L | 1       |   | 8260C   | Total/NA  |
| Tetrachloroethene        | 6.7    |           | 1.0   | 0.36  | ug/L | 1       |   | 8260C   | Total/NA  |
| trans-1,2-Dichloroethene | 1.7    |           | 1.0   | 0.90  | ug/L | 1       |   | 8260C   | Total/NA  |
| Trichloroethene          | 4.4    |           | 1.0   | 0.46  | ug/L | 1       |   | 8260C   | Total/NA  |
| Vinyl chloride           | 3.9    |           | 1.0   | 0.90  | ug/L | 1       |   | 8260C   | Total/NA  |
| Methane - DL             | 890    |           | 88    | 22    | ug/L | 22      |   | RSK-175 | Total/NA  |
| Iron                     | 1.0    |           | 0.050 | 0.019 | mg/L | 1       |   | 6010D   | Total/NA  |
| Iron, Dissolved          | 1.2    |           | 0.050 | 0.019 | mg/L | 1       |   | 6010D   | Dissolved |
| Sulfate                  | 27.1   |           | 10.0  | 1.7   | mg/L | 5       |   | 300.0   | Total/NA  |

## Client Sample ID: MW3S

## Lab Sample ID: 480-232963-3

| Analyte                               | Result | Qualifier | RL    | MDL   | Unit | Dil Fac | D | Method  | Prep Type |
|---------------------------------------|--------|-----------|-------|-------|------|---------|---|---------|-----------|
| cis-1,2-Dichloroethene                | 160000 |           | 2000  | 1600  | ug/L | 2000    |   | 8260C   | Total/NA  |
| Vinyl chloride                        | 120000 |           | 2000  | 1800  | ug/L | 2000    |   | 8260C   | Total/NA  |
| Methane                               | 6800   |           | 440   | 110   | ug/L | 110     |   | RSK-175 | Total/NA  |
| Ethane                                | 1100   |           | 830   | 170   | ug/L | 110     |   | RSK-175 | Total/NA  |
| Ethene                                | 29000  |           | 770   | 170   | ug/L | 110     |   | RSK-175 | Total/NA  |
| Perfluorobutanesulfonic acid (PFBS)   | 4.5    |           | 1.7   | 0.41  | ng/L | 1       |   | 1633A   | Total/NA  |
| Perfluorobutanoic acid (PFBA)         | 5.1    |           | 3.3   | 0.91  | ng/L | 1       |   | 1633A   | Total/NA  |
| Perfluoroheptanoic acid (PFHpA)       | 5.7    |           | 1.7   | 0.66  | ng/L | 1       |   | 1633A   | Total/NA  |
| Perfluorohexanesulfonic acid (PFHxS)  | 3.4    |           | 1.7   | 0.66  | ng/L | 1       |   | 1633A   | Total/NA  |
| Perfluorohexanoic acid (PFHxA)        | 12     |           | 1.7   | 0.41  | ng/L | 1       |   | 1633A   | Total/NA  |
| Perfluorooctanesulfonic acid (PFOS)   | 6.6    | I         | 1.7   | 1.1   | ng/L | 1       |   | 1633A   | Total/NA  |
| Perfluorooctanoic acid (PFOA)         | 15     |           | 1.7   | 0.74  | ng/L | 1       |   | 1633A   | Total/NA  |
| Perfluoropentanesulfonic acid (PFPeS) | 1.7    |           | 1.7   | 0.41  | ng/L | 1       |   | 1633A   | Total/NA  |
| Perfluoropentanoic acid (PFPeA)       | 7.3    |           | 1.7   | 0.50  | ng/L | 1       |   | 1633A   | Total/NA  |
| Iron                                  | 91.6   |           | 0.050 | 0.019 | mg/L | 1       |   | 6010D   | Total/NA  |
| Iron, Dissolved                       | 88.0   |           | 0.050 | 0.019 | mg/L | 1       |   | 6010D   | Dissolved |
| Sulfate                               | 25.0   |           | 20.0  | 3.5   | mg/L | 10      |   | 300.0   | Total/NA  |

## Client Sample ID: MW3I

## Lab Sample ID: 480-232963-4

| Analyte                       | Result | Qualifier | RL    | MDL   | Unit | Dil Fac | D | Method  | Prep Type |
|-------------------------------|--------|-----------|-------|-------|------|---------|---|---------|-----------|
| cis-1,2-Dichloroethene        | 2.9    |           | 1.0   | 0.81  | ug/L | 1       |   | 8260C   | Total/NA  |
| Trichloroethene               | 0.53   | J         | 1.0   | 0.46  | ug/L | 1       |   | 8260C   | Total/NA  |
| Vinyl chloride                | 8.4    |           | 1.0   | 0.90  | ug/L | 1       |   | 8260C   | Total/NA  |
| Methane                       | 140    |           | 4.0   | 1.0   | ug/L | 1       |   | RSK-175 | Total/NA  |
| Perfluorobutanoic acid (PFBA) | 0.97   | J         | 3.1   | 0.85  | ng/L | 1       |   | 1633A   | Total/NA  |
| Iron                          | 1.1    |           | 0.050 | 0.019 | mg/L | 1       |   | 6010D   | Total/NA  |
| Iron, Dissolved               | 1.0    |           | 0.050 | 0.019 | mg/L | 1       |   | 6010D   | Dissolved |
| Sulfate                       | 79.9   |           | 10.0  | 1.7   | mg/L | 5       |   | 300.0   | Total/NA  |

This Detection Summary does not include radiochemical test results.

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# Detection Summary

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

Job ID: 480-232963-1

## Client Sample ID: MW4S

## Lab Sample ID: 480-232963-5

| Analyte                               | Result | Qualifier | RL    | MDL   | Unit | Dil Fac | D  | Method  | Prep Type |
|---------------------------------------|--------|-----------|-------|-------|------|---------|----|---------|-----------|
| cis-1,2-Dichloroethene                | 8100   |           | 2000  | 1600  | ug/L | 2000    |    | 8260C   | Total/NA  |
| Tetrachloroethene                     | 85000  |           | 2000  | 720   | ug/L | 2000    |    | 8260C   | Total/NA  |
| Trichloroethene                       | 4100   |           | 2000  | 920   | ug/L | 2000    |    | 8260C   | Total/NA  |
| Ethane                                | 390    |           | 7.5   | 1.5   | ug/L |         | 1  | RSK-175 | Total/NA  |
| Ethene                                | 13     |           | 7.0   | 1.5   | ug/L |         | 1  | RSK-175 | Total/NA  |
| Methane - DL                          | 4600   |           | 180   | 44    | ug/L |         | 44 | RSK-175 | Total/NA  |
| Perfluorobutanesulfonic acid (PFBS)   | 4.4    |           | 1.5   | 0.39  | ng/L |         | 1  | 1633A   | Total/NA  |
| Perfluorobutanoic acid (PFBA)         | 12     |           | 3.1   | 0.85  | ng/L |         | 1  | 1633A   | Total/NA  |
| Perfluorodecanoic acid (PFDA)         | 1.5    |           | 1.5   | 0.39  | ng/L |         | 1  | 1633A   | Total/NA  |
| Perfluoroheptanoic acid (PFHpA)       | 11     |           | 1.5   | 0.62  | ng/L |         | 1  | 1633A   | Total/NA  |
| Perfluorohexanesulfonic acid (PFHxS)  | 3.7    |           | 1.5   | 0.62  | ng/L |         | 1  | 1633A   | Total/NA  |
| Perfluorohexanoic acid (PFHxA)        | 18     |           | 1.5   | 0.39  | ng/L |         | 1  | 1633A   | Total/NA  |
| Perfluorononanoic acid (PFNA)         | 4.1    |           | 1.5   | 0.39  | ng/L |         | 1  | 1633A   | Total/NA  |
| Perfluorooctanesulfonic acid (PFOS)   | 17     |           | 1.5   | 1.0   | ng/L |         | 1  | 1633A   | Total/NA  |
| Perfluorooctanoic acid (PFOA)         | 24     |           | 1.5   | 0.69  | ng/L |         | 1  | 1633A   | Total/NA  |
| Perfluoropentanesulfonic acid (PFPeS) | 0.80   | J         | 1.5   | 0.39  | ng/L |         | 1  | 1633A   | Total/NA  |
| Perfluoropentanoic acid (PFPeA)       | 25     |           | 1.5   | 0.46  | ng/L |         | 1  | 1633A   | Total/NA  |
| Iron                                  | 1.5    |           | 0.050 | 0.019 | mg/L |         | 1  | 6010D   | Total/NA  |
| Iron, Dissolved                       | 0.081  |           | 0.050 | 0.019 | mg/L |         | 1  | 6010D   | Dissolved |
| Sulfate                               | 131    |           | 40.0  | 7.0   | mg/L |         | 20 | 300.0   | Total/NA  |

## Client Sample ID: MW4I

## Lab Sample ID: 480-232963-6

| Analyte                       | Result | Qualifier | RL    | MDL   | Unit | Dil Fac | D  | Method  | Prep Type |
|-------------------------------|--------|-----------|-------|-------|------|---------|----|---------|-----------|
| 1,1-Dichloroethene            | 36     | J         | 40    | 12    | ug/L | 40      |    | 8260C   | Total/NA  |
| cis-1,2-Dichloroethene        | 3800   | F1        | 40    | 32    | ug/L | 40      |    | 8260C   | Total/NA  |
| Tetrachloroethene             | 20     | J         | 40    | 14    | ug/L | 40      |    | 8260C   | Total/NA  |
| Vinyl chloride                | 550    |           | 40    | 36    | ug/L | 40      |    | 8260C   | Total/NA  |
| Ethane                        | 15     |           | 7.5   | 1.5   | ug/L |         | 1  | RSK-175 | Total/NA  |
| Ethene                        | 54     |           | 7.0   | 1.5   | ug/L |         | 1  | RSK-175 | Total/NA  |
| Methane - DL                  | 1400   |           | 88    | 22    | ug/L |         | 22 | RSK-175 | Total/NA  |
| Perfluorobutanoic acid (PFBA) | 1.1    | J         | 3.0   | 0.83  | ng/L |         | 1  | 1633A   | Total/NA  |
| Iron                          | 1.2    |           | 0.050 | 0.019 | mg/L |         | 1  | 6010D   | Total/NA  |
| Iron, Dissolved               | 1.3    |           | 0.050 | 0.019 | mg/L |         | 1  | 6010D   | Dissolved |
| Sulfate                       | 128    |           | 10.0  | 1.7   | mg/L |         | 5  | 300.0   | Total/NA  |

## Client Sample ID: MW5S

## Lab Sample ID: 480-232963-7

| Analyte                             | Result | Qualifier | RL  | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| 2-Butanone (MEK)                    | 34     | J         | 100 | 13   | ug/L | 10      |   | 8260C  | Total/NA  |
| Acetone                             | 86     | J         | 100 | 30   | ug/L | 10      |   | 8260C  | Total/NA  |
| Benzene                             | 18     |           | 10  | 4.1  | ug/L | 10      |   | 8260C  | Total/NA  |
| Cyclohexane                         | 370    |           | 10  | 1.8  | ug/L | 10      |   | 8260C  | Total/NA  |
| Ethylbenzene                        | 260    |           | 10  | 7.4  | ug/L | 10      |   | 8260C  | Total/NA  |
| Isopropylbenzene                    | 110    |           | 10  | 7.9  | ug/L | 10      |   | 8260C  | Total/NA  |
| Methylcyclohexane                   | 150    |           | 10  | 1.6  | ug/L | 10      |   | 8260C  | Total/NA  |
| Toluene                             | 6.4    | J         | 10  | 5.1  | ug/L | 10      |   | 8260C  | Total/NA  |
| Xylenes, Total                      | 23     |           | 20  | 6.6  | ug/L | 10      |   | 8260C  | Total/NA  |
| Perfluorobutanesulfonic acid (PFBS) | 0.85   | J         | 1.8 | 0.44 | ng/L |         | 1 | 1633A  | Total/NA  |
| Perfluorobutanoic acid (PFBA)       | 9.1    |           | 3.5 | 0.97 | ng/L |         | 1 | 1633A  | Total/NA  |
| Perfluoroheptanoic acid (PFHpA)     | 2.6    |           | 1.8 | 0.70 | ng/L |         | 1 | 1633A  | Total/NA  |

This Detection Summary does not include radiochemical test results.

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# Detection Summary

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

Job ID: 480-232963-1

## Client Sample ID: MW5S (Continued)

Lab Sample ID: 480-232963-7

| Analyte                              | Result | Qualifier | RL  | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|--------------------------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| Perfluorohexanesulfonic acid (PFHxS) | 1.4    | J         | 1.8 | 0.70 | ng/L | 1       |   | 1633A  | Total/NA  |
| Perfluorohexanoic acid (PFHxA)       | 5.0    |           | 1.8 | 0.44 | ng/L | 1       |   | 1633A  | Total/NA  |
| Perfluorooctanesulfonamide (PFOSA)   | 0.48   | J         | 1.8 | 0.44 | ng/L | 1       |   | 1633A  | Total/NA  |
| Perfluorooctanesulfonic acid (PFOS)  | 20     |           | 1.8 | 1.1  | ng/L | 1       |   | 1633A  | Total/NA  |
| Perfluorooctanoic acid (PFOA)        | 14     |           | 1.8 | 0.79 | ng/L | 1       |   | 1633A  | Total/NA  |
| Perfluoropentanoic acid (PFPeA)      | 8.1    |           | 1.8 | 0.53 | ng/L | 1       |   | 1633A  | Total/NA  |

## Client Sample ID: MW5I

Lab Sample ID: 480-232963-8

| Analyte                                             | Result | Qualifier | RL  | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------------------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS) | 39     |           | 3.3 | 0.82 | ng/L | 1       |   | 1633A  | Total/NA  |
| Perfluorobutanoic acid (PFBA)                       | 1.7    | J         | 3.3 | 0.90 | ng/L | 1       |   | 1633A  | Total/NA  |
| Perfluoroheptanoic acid (PFHpA)                     | 1.5    | J         | 1.6 | 0.66 | ng/L | 1       |   | 1633A  | Total/NA  |
| Perfluorohexanesulfonic acid (PFHxS)                | 1.1    | J         | 1.6 | 0.66 | ng/L | 1       |   | 1633A  | Total/NA  |
| Perfluorohexanoic acid (PFHxA)                      | 4.4    |           | 1.6 | 0.41 | ng/L | 1       |   | 1633A  | Total/NA  |
| Perfluoropentanoic acid (PFPeA)                     | 4.9    |           | 1.6 | 0.49 | ng/L | 1       |   | 1633A  | Total/NA  |

## Client Sample ID: MW6

Lab Sample ID: 480-232963-9

No Detections.

## Client Sample ID: MW7

Lab Sample ID: 480-232963-10

| Analyte        | Result | Qualifier | RL  | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|----------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| Vinyl chloride | 13     |           | 1.0 | 0.90 | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW8

Lab Sample ID: 480-232963-11

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|----|-----|------|---------|---|--------|-----------|
| Acetone | 3.5    | J         | 10 | 3.0 | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW11

Lab Sample ID: 480-232963-12

No Detections.

## Client Sample ID: MW12S

Lab Sample ID: 480-232963-13

| Analyte                | Result | Qualifier | RL  | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 2.3    |           | 1.0 | 0.81 | ug/L | 1       |   | 8260C  | Total/NA  |
| Vinyl chloride         | 1.5    |           | 1.0 | 0.90 | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW1C

Lab Sample ID: 480-232963-14

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|----|-----|------|---------|---|--------|-----------|
| Acetone | 5.6    | J         | 10 | 3.0 | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW1D

Lab Sample ID: 480-232963-15

| 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      | 540    |           | 20 | 7.2 | ug/L | 20      |   | 8260C  | Total/NA  |
| Trichloroethene        | 210    |           | 20 | 9.2 | ug/L | 20      |   | 8260C  | Total/NA  |
| Vinyl chloride         | 28     |           | 20 | 18  | ug/L | 20      |   | 8260C  | 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: 480-232963-1

## Client Sample ID: MW1E

## Lab Sample ID: 480-232963-16

| Analyte                | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 2900   |           | 100 | 81  | ug/L | 100     |   | 8260C  | Total/NA  |
| Tetrachloroethene      | 3600   |           | 100 | 36  | ug/L | 100     |   | 8260C  | Total/NA  |
| Trichloroethene        | 1100   |           | 100 | 46  | ug/L | 100     |   | 8260C  | Total/NA  |

## Client Sample ID: TB

## Lab Sample ID: 480-232963-17

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: 480-232963-1

**Client Sample ID: MW1R**

**Lab Sample ID: 480-232963-1**

**Date Collected: 09/24/25 14:30**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

**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 |   |          | 10/01/25 01:19 | 5       |
| 1,1,2,2-Tetrachloroethane             | ND         |           | 5.0 | 1.1  | ug/L |   |          | 10/01/25 01:19 | 5       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND         |           | 5.0 | 1.6  | ug/L |   |          | 10/01/25 01:19 | 5       |
| 1,1,2-Trichloroethane                 | ND         |           | 5.0 | 1.2  | ug/L |   |          | 10/01/25 01:19 | 5       |
| 1,1-Dichloroethane                    | ND         |           | 5.0 | 1.9  | ug/L |   |          | 10/01/25 01:19 | 5       |
| 1,1-Dichloroethene                    | ND         |           | 5.0 | 1.5  | ug/L |   |          | 10/01/25 01:19 | 5       |
| 1,2,4-Trichlorobenzene                | ND         |           | 5.0 | 2.1  | ug/L |   |          | 10/01/25 01:19 | 5       |
| 1,2-Dibromo-3-Chloropropane           | ND         |           | 5.0 | 2.0  | ug/L |   |          | 10/01/25 01:19 | 5       |
| 1,2-Dibromoethane                     | ND         |           | 5.0 | 3.7  | ug/L |   |          | 10/01/25 01:19 | 5       |
| 1,2-Dichlorobenzene                   | ND         |           | 5.0 | 4.0  | ug/L |   |          | 10/01/25 01:19 | 5       |
| 1,2-Dichloroethane                    | ND         |           | 5.0 | 1.1  | ug/L |   |          | 10/01/25 01:19 | 5       |
| 1,2-Dichloropropane                   | ND         |           | 5.0 | 3.6  | ug/L |   |          | 10/01/25 01:19 | 5       |
| 1,3-Dichlorobenzene                   | ND         |           | 5.0 | 3.9  | ug/L |   |          | 10/01/25 01:19 | 5       |
| 1,4-Dichlorobenzene                   | ND         |           | 5.0 | 4.2  | ug/L |   |          | 10/01/25 01:19 | 5       |
| 2-Butanone (MEK)                      | ND         |           | 50  | 6.6  | ug/L |   |          | 10/01/25 01:19 | 5       |
| 2-Hexanone                            | ND         |           | 25  | 6.2  | ug/L |   |          | 10/01/25 01:19 | 5       |
| 4-Methyl-2-pentanone (MIBK)           | ND         |           | 25  | 11   | ug/L |   |          | 10/01/25 01:19 | 5       |
| Acetone                               | ND         |           | 50  | 15   | ug/L |   |          | 10/01/25 01:19 | 5       |
| Benzene                               | ND         |           | 5.0 | 2.1  | ug/L |   |          | 10/01/25 01:19 | 5       |
| Bromodichloromethane                  | ND         |           | 5.0 | 2.0  | ug/L |   |          | 10/01/25 01:19 | 5       |
| Bromoform                             | ND         |           | 5.0 | 1.3  | ug/L |   |          | 10/01/25 01:19 | 5       |
| Bromomethane                          | ND         |           | 5.0 | 3.5  | ug/L |   |          | 10/01/25 01:19 | 5       |
| Carbon disulfide                      | ND         |           | 5.0 | 0.95 | ug/L |   |          | 10/01/25 01:19 | 5       |
| Carbon tetrachloride                  | ND         |           | 5.0 | 1.4  | ug/L |   |          | 10/01/25 01:19 | 5       |
| Chlorobenzene                         | ND         |           | 5.0 | 3.8  | ug/L |   |          | 10/01/25 01:19 | 5       |
| Chloroethane                          | ND         |           | 5.0 | 1.6  | ug/L |   |          | 10/01/25 01:19 | 5       |
| Chloroform                            | ND         |           | 5.0 | 1.7  | ug/L |   |          | 10/01/25 01:19 | 5       |
| Chloromethane                         | ND         |           | 5.0 | 1.8  | ug/L |   |          | 10/01/25 01:19 | 5       |
| cis-1,2-Dichloroethene                | ND         |           | 5.0 | 4.1  | ug/L |   |          | 10/01/25 01:19 | 5       |
| cis-1,3-Dichloropropene               | ND         |           | 5.0 | 1.8  | ug/L |   |          | 10/01/25 01:19 | 5       |
| Cyclohexane                           | ND         |           | 5.0 | 0.90 | ug/L |   |          | 10/01/25 01:19 | 5       |
| Dibromochloromethane                  | ND         |           | 5.0 | 1.6  | ug/L |   |          | 10/01/25 01:19 | 5       |
| Dichlorodifluoromethane               | ND         |           | 5.0 | 3.4  | ug/L |   |          | 10/01/25 01:19 | 5       |
| Ethylbenzene                          | ND         |           | 5.0 | 3.7  | ug/L |   |          | 10/01/25 01:19 | 5       |
| Isopropylbenzene                      | ND         |           | 5.0 | 4.0  | ug/L |   |          | 10/01/25 01:19 | 5       |
| Methyl acetate                        | ND         |           | 13  | 6.5  | ug/L |   |          | 10/01/25 01:19 | 5       |
| Methyl tert-butyl ether               | ND         |           | 5.0 | 0.80 | ug/L |   |          | 10/01/25 01:19 | 5       |
| Methylcyclohexane                     | ND         |           | 5.0 | 0.80 | ug/L |   |          | 10/01/25 01:19 | 5       |
| Methylene Chloride                    | ND         |           | 5.0 | 2.2  | ug/L |   |          | 10/01/25 01:19 | 5       |
| Styrene                               | ND         |           | 5.0 | 3.7  | ug/L |   |          | 10/01/25 01:19 | 5       |
| Tetrachloroethene                     | ND         |           | 5.0 | 1.8  | ug/L |   |          | 10/01/25 01:19 | 5       |
| Toluene                               | ND         |           | 5.0 | 2.6  | ug/L |   |          | 10/01/25 01:19 | 5       |
| trans-1,2-Dichloroethene              | ND         |           | 5.0 | 4.5  | ug/L |   |          | 10/01/25 01:19 | 5       |
| trans-1,3-Dichloropropene             | ND         |           | 5.0 | 1.9  | ug/L |   |          | 10/01/25 01:19 | 5       |
| Trichloroethene                       | ND         |           | 5.0 | 2.3  | ug/L |   |          | 10/01/25 01:19 | 5       |
| Trichlorofluoromethane                | ND         |           | 5.0 | 4.4  | ug/L |   |          | 10/01/25 01:19 | 5       |
| Vinyl chloride                        | ND         |           | 5.0 | 4.5  | ug/L |   |          | 10/01/25 01:19 | 5       |
| <b>Xylenes, Total</b>                 | <b>5.1</b> | <b>J</b>  | 10  | 3.3  | ug/L |   |          | 10/01/25 01:19 | 5       |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW1R**

**Lab Sample ID: 480-232963-1**

**Date Collected: 09/24/25 14:30**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 107       |           | 77 - 120 |          | 10/01/25 01:19 | 5       |
| 4-Bromofluorobenzene (Surr)  | 107       |           | 73 - 120 |          | 10/01/25 01:19 | 5       |
| Dibromofluoromethane (Surr)  | 107       |           | 75 - 123 |          | 10/01/25 01:19 | 5       |
| Toluene-d8 (Surr)            | 101       |           | 80 - 120 |          | 10/01/25 01:19 | 5       |

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

| Analyte | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Ethane  | 5.2    | J         | 7.5 | 1.5 | ug/L |   |          | 10/01/25 10:47 | 1       |
| Ethene  | ND     |           | 7.0 | 1.5 | ug/L |   |          | 10/01/25 10:47 | 1       |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Methane | 1800   |           | 88 | 22  | ug/L |   |          | 10/01/25 12:40 | 22      |

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

| Analyte | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Iron    | 0.61   |           | 0.050 | 0.019 | mg/L |   | 09/29/25 08:35 | 09/29/25 15:41 | 1       |

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

| Analyte         | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Iron, Dissolved | 0.21   |           | 0.050 | 0.019 | mg/L |   | 09/29/25 08:34 | 09/29/25 23:58 | 1       |

**General Chemistry**

| Analyte             | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Sulfate (EPA 300.0) | 30.6   |           | 10.0 | 1.7 | mg/L |   |          | 09/30/25 01:42 | 5       |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW2R**

**Lab Sample ID: 480-232963-2**

**Date Collected: 09/24/25 12:30**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

**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 |   |          | 10/01/25 01:42 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND         |           | 1.0 | 0.21 | ug/L |   |          | 10/01/25 01:42 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND         |           | 1.0 | 0.31 | ug/L |   |          | 10/01/25 01:42 | 1       |
| 1,1,2-Trichloroethane                 | ND         |           | 1.0 | 0.23 | ug/L |   |          | 10/01/25 01:42 | 1       |
| 1,1-Dichloroethane                    | ND         |           | 1.0 | 0.38 | ug/L |   |          | 10/01/25 01:42 | 1       |
| 1,1-Dichloroethene                    | ND         |           | 1.0 | 0.29 | ug/L |   |          | 10/01/25 01:42 | 1       |
| 1,2,4-Trichlorobenzene                | ND         |           | 1.0 | 0.41 | ug/L |   |          | 10/01/25 01:42 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND         |           | 1.0 | 0.39 | ug/L |   |          | 10/01/25 01:42 | 1       |
| 1,2-Dibromoethane                     | ND         |           | 1.0 | 0.73 | ug/L |   |          | 10/01/25 01:42 | 1       |
| 1,2-Dichlorobenzene                   | ND         |           | 1.0 | 0.79 | ug/L |   |          | 10/01/25 01:42 | 1       |
| 1,2-Dichloroethane                    | ND         |           | 1.0 | 0.21 | ug/L |   |          | 10/01/25 01:42 | 1       |
| 1,2-Dichloropropane                   | ND         |           | 1.0 | 0.72 | ug/L |   |          | 10/01/25 01:42 | 1       |
| 1,3-Dichlorobenzene                   | ND         |           | 1.0 | 0.78 | ug/L |   |          | 10/01/25 01:42 | 1       |
| 1,4-Dichlorobenzene                   | ND         |           | 1.0 | 0.84 | ug/L |   |          | 10/01/25 01:42 | 1       |
| 2-Butanone (MEK)                      | ND         |           | 10  | 1.3  | ug/L |   |          | 10/01/25 01:42 | 1       |
| 2-Hexanone                            | ND         |           | 5.0 | 1.2  | ug/L |   |          | 10/01/25 01:42 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND         |           | 5.0 | 2.1  | ug/L |   |          | 10/01/25 01:42 | 1       |
| Acetone                               | ND         |           | 10  | 3.0  | ug/L |   |          | 10/01/25 01:42 | 1       |
| Benzene                               | ND         |           | 1.0 | 0.41 | ug/L |   |          | 10/01/25 01:42 | 1       |
| Bromodichloromethane                  | ND         |           | 1.0 | 0.39 | ug/L |   |          | 10/01/25 01:42 | 1       |
| Bromoform                             | ND         |           | 1.0 | 0.26 | ug/L |   |          | 10/01/25 01:42 | 1       |
| Bromomethane                          | ND         |           | 1.0 | 0.69 | ug/L |   |          | 10/01/25 01:42 | 1       |
| Carbon disulfide                      | ND         |           | 1.0 | 0.19 | ug/L |   |          | 10/01/25 01:42 | 1       |
| Carbon tetrachloride                  | ND         |           | 1.0 | 0.27 | ug/L |   |          | 10/01/25 01:42 | 1       |
| Chlorobenzene                         | ND         |           | 1.0 | 0.75 | ug/L |   |          | 10/01/25 01:42 | 1       |
| Chloroethane                          | ND         |           | 1.0 | 0.32 | ug/L |   |          | 10/01/25 01:42 | 1       |
| Chloroform                            | ND         |           | 1.0 | 0.34 | ug/L |   |          | 10/01/25 01:42 | 1       |
| Chloromethane                         | ND         |           | 1.0 | 0.35 | ug/L |   |          | 10/01/25 01:42 | 1       |
| <b>cis-1,2-Dichloroethene</b>         | <b>39</b>  |           | 1.0 | 0.81 | ug/L |   |          | 10/01/25 01:42 | 1       |
| cis-1,3-Dichloropropene               | ND         |           | 1.0 | 0.36 | ug/L |   |          | 10/01/25 01:42 | 1       |
| Cyclohexane                           | ND         |           | 1.0 | 0.18 | ug/L |   |          | 10/01/25 01:42 | 1       |
| Dibromochloromethane                  | ND         |           | 1.0 | 0.32 | ug/L |   |          | 10/01/25 01:42 | 1       |
| Dichlorodifluoromethane               | ND         |           | 1.0 | 0.68 | ug/L |   |          | 10/01/25 01:42 | 1       |
| Ethylbenzene                          | ND         |           | 1.0 | 0.74 | ug/L |   |          | 10/01/25 01:42 | 1       |
| Isopropylbenzene                      | ND         |           | 1.0 | 0.79 | ug/L |   |          | 10/01/25 01:42 | 1       |
| Methyl acetate                        | ND         |           | 2.5 | 1.3  | ug/L |   |          | 10/01/25 01:42 | 1       |
| Methyl tert-butyl ether               | ND         |           | 1.0 | 0.16 | ug/L |   |          | 10/01/25 01:42 | 1       |
| Methylcyclohexane                     | ND         |           | 1.0 | 0.16 | ug/L |   |          | 10/01/25 01:42 | 1       |
| Methylene Chloride                    | ND         |           | 1.0 | 0.44 | ug/L |   |          | 10/01/25 01:42 | 1       |
| Styrene                               | ND         |           | 1.0 | 0.73 | ug/L |   |          | 10/01/25 01:42 | 1       |
| <b>Tetrachloroethene</b>              | <b>6.7</b> |           | 1.0 | 0.36 | ug/L |   |          | 10/01/25 01:42 | 1       |
| Toluene                               | ND         |           | 1.0 | 0.51 | ug/L |   |          | 10/01/25 01:42 | 1       |
| <b>trans-1,2-Dichloroethene</b>       | <b>1.7</b> |           | 1.0 | 0.90 | ug/L |   |          | 10/01/25 01:42 | 1       |
| trans-1,3-Dichloropropene             | ND         |           | 1.0 | 0.37 | ug/L |   |          | 10/01/25 01:42 | 1       |
| <b>Trichloroethene</b>                | <b>4.4</b> |           | 1.0 | 0.46 | ug/L |   |          | 10/01/25 01:42 | 1       |
| Trichlorofluoromethane                | ND         |           | 1.0 | 0.88 | ug/L |   |          | 10/01/25 01:42 | 1       |
| <b>Vinyl chloride</b>                 | <b>3.9</b> |           | 1.0 | 0.90 | ug/L |   |          | 10/01/25 01:42 | 1       |
| Xylenes, Total                        | ND         |           | 2.0 | 0.66 | ug/L |   |          | 10/01/25 01:42 | 1       |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW2R**

**Lab Sample ID: 480-232963-2**

**Date Collected: 09/24/25 12:30**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 106       |           | 77 - 120 |          | 10/01/25 01:42 | 1       |
| 4-Bromofluorobenzene (Surr)  | 106       |           | 73 - 120 |          | 10/01/25 01:42 | 1       |
| Dibromofluoromethane (Surr)  | 109       |           | 75 - 123 |          | 10/01/25 01:42 | 1       |
| Toluene-d8 (Surr)            | 104       |           | 80 - 120 |          | 10/01/25 01:42 | 1       |

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

| Analyte | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Ethane  | ND     |           | 7.5 | 1.5 | ug/L |   |          | 10/01/25 11:06 | 1       |
| Ethene  | ND     |           | 7.0 | 1.5 | ug/L |   |          | 10/01/25 11:06 | 1       |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Methane | 890    |           | 88 | 22  | ug/L |   |          | 10/01/25 12:59 | 22      |

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

| Analyte | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Iron    | 1.0    |           | 0.050 | 0.019 | mg/L |   | 09/29/25 08:35 | 09/29/25 15:43 | 1       |

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

| Analyte         | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Iron, Dissolved | 1.2    |           | 0.050 | 0.019 | mg/L |   | 09/29/25 08:34 | 09/30/25 00:15 | 1       |

**General Chemistry**

| Analyte             | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Sulfate (EPA 300.0) | 27.1   |           | 10.0 | 1.7 | mg/L |   |          | 09/30/25 01:56 | 5       |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW3S**

**Lab Sample ID: 480-232963-3**

**Date Collected: 09/24/25 14:15**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

**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 |   |          | 10/01/25 02:05 | 2000    |
| 1,1,2,2-Tetrachloroethane             | ND            |           | 2000  | 420  | ug/L |   |          | 10/01/25 02:05 | 2000    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |           | 2000  | 620  | ug/L |   |          | 10/01/25 02:05 | 2000    |
| 1,1,2-Trichloroethane                 | ND            |           | 2000  | 460  | ug/L |   |          | 10/01/25 02:05 | 2000    |
| 1,1-Dichloroethane                    | ND            |           | 2000  | 760  | ug/L |   |          | 10/01/25 02:05 | 2000    |
| 1,1-Dichloroethene                    | ND            |           | 2000  | 580  | ug/L |   |          | 10/01/25 02:05 | 2000    |
| 1,2,4-Trichlorobenzene                | ND            |           | 2000  | 820  | ug/L |   |          | 10/01/25 02:05 | 2000    |
| 1,2-Dibromo-3-Chloropropane           | ND            |           | 2000  | 780  | ug/L |   |          | 10/01/25 02:05 | 2000    |
| 1,2-Dibromoethane                     | ND            |           | 2000  | 1500 | ug/L |   |          | 10/01/25 02:05 | 2000    |
| 1,2-Dichlorobenzene                   | ND            |           | 2000  | 1600 | ug/L |   |          | 10/01/25 02:05 | 2000    |
| 1,2-Dichloroethane                    | ND            |           | 2000  | 420  | ug/L |   |          | 10/01/25 02:05 | 2000    |
| 1,2-Dichloropropane                   | ND            |           | 2000  | 1400 | ug/L |   |          | 10/01/25 02:05 | 2000    |
| 1,3-Dichlorobenzene                   | ND            |           | 2000  | 1600 | ug/L |   |          | 10/01/25 02:05 | 2000    |
| 1,4-Dichlorobenzene                   | ND            |           | 2000  | 1700 | ug/L |   |          | 10/01/25 02:05 | 2000    |
| 2-Butanone (MEK)                      | ND            |           | 20000 | 2600 | ug/L |   |          | 10/01/25 02:05 | 2000    |
| 2-Hexanone                            | ND            |           | 10000 | 2500 | ug/L |   |          | 10/01/25 02:05 | 2000    |
| 4-Methyl-2-pentanone (MIBK)           | ND            |           | 10000 | 4200 | ug/L |   |          | 10/01/25 02:05 | 2000    |
| Acetone                               | ND            |           | 20000 | 6000 | ug/L |   |          | 10/01/25 02:05 | 2000    |
| Benzene                               | ND            |           | 2000  | 820  | ug/L |   |          | 10/01/25 02:05 | 2000    |
| Bromodichloromethane                  | ND            |           | 2000  | 780  | ug/L |   |          | 10/01/25 02:05 | 2000    |
| Bromoform                             | ND            |           | 2000  | 520  | ug/L |   |          | 10/01/25 02:05 | 2000    |
| Bromomethane                          | ND            |           | 2000  | 1400 | ug/L |   |          | 10/01/25 02:05 | 2000    |
| Carbon disulfide                      | ND            |           | 2000  | 380  | ug/L |   |          | 10/01/25 02:05 | 2000    |
| Carbon tetrachloride                  | ND            |           | 2000  | 540  | ug/L |   |          | 10/01/25 02:05 | 2000    |
| Chlorobenzene                         | ND            |           | 2000  | 1500 | ug/L |   |          | 10/01/25 02:05 | 2000    |
| Chloroethane                          | ND            |           | 2000  | 640  | ug/L |   |          | 10/01/25 02:05 | 2000    |
| Chloroform                            | ND            |           | 2000  | 680  | ug/L |   |          | 10/01/25 02:05 | 2000    |
| Chloromethane                         | ND            |           | 2000  | 700  | ug/L |   |          | 10/01/25 02:05 | 2000    |
| <b>cis-1,2-Dichloroethene</b>         | <b>160000</b> |           | 2000  | 1600 | ug/L |   |          | 10/01/25 02:05 | 2000    |
| cis-1,3-Dichloropropene               | ND            |           | 2000  | 720  | ug/L |   |          | 10/01/25 02:05 | 2000    |
| Cyclohexane                           | ND            |           | 2000  | 360  | ug/L |   |          | 10/01/25 02:05 | 2000    |
| Dibromochloromethane                  | ND            |           | 2000  | 640  | ug/L |   |          | 10/01/25 02:05 | 2000    |
| Dichlorodifluoromethane               | ND            |           | 2000  | 1400 | ug/L |   |          | 10/01/25 02:05 | 2000    |
| Ethylbenzene                          | ND            |           | 2000  | 1500 | ug/L |   |          | 10/01/25 02:05 | 2000    |
| Isopropylbenzene                      | ND            |           | 2000  | 1600 | ug/L |   |          | 10/01/25 02:05 | 2000    |
| Methyl acetate                        | ND            |           | 5000  | 2600 | ug/L |   |          | 10/01/25 02:05 | 2000    |
| Methyl tert-butyl ether               | ND            |           | 2000  | 320  | ug/L |   |          | 10/01/25 02:05 | 2000    |
| Methylcyclohexane                     | ND            |           | 2000  | 320  | ug/L |   |          | 10/01/25 02:05 | 2000    |
| Methylene Chloride                    | ND            |           | 2000  | 880  | ug/L |   |          | 10/01/25 02:05 | 2000    |
| Styrene                               | ND            |           | 2000  | 1500 | ug/L |   |          | 10/01/25 02:05 | 2000    |
| Tetrachloroethene                     | ND            |           | 2000  | 720  | ug/L |   |          | 10/01/25 02:05 | 2000    |
| Toluene                               | ND            |           | 2000  | 1000 | ug/L |   |          | 10/01/25 02:05 | 2000    |
| trans-1,2-Dichloroethene              | ND            |           | 2000  | 1800 | ug/L |   |          | 10/01/25 02:05 | 2000    |
| trans-1,3-Dichloropropene             | ND            |           | 2000  | 740  | ug/L |   |          | 10/01/25 02:05 | 2000    |
| Trichloroethene                       | ND            |           | 2000  | 920  | ug/L |   |          | 10/01/25 02:05 | 2000    |
| Trichlorofluoromethane                | ND            |           | 2000  | 1800 | ug/L |   |          | 10/01/25 02:05 | 2000    |
| <b>Vinyl chloride</b>                 | <b>120000</b> |           | 2000  | 1800 | ug/L |   |          | 10/01/25 02:05 | 2000    |
| Xylenes, Total                        | ND            |           | 4000  | 1300 | ug/L |   |          | 10/01/25 02:05 | 2000    |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW3S**

**Lab Sample ID: 480-232963-3**

**Date Collected: 09/24/25 14:15**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 109       |           | 77 - 120 |          | 10/01/25 02:05 | 2000    |
| 4-Bromofluorobenzene (Surr)  | 105       |           | 73 - 120 |          | 10/01/25 02:05 | 2000    |
| Dibromofluoromethane (Surr)  | 107       |           | 75 - 123 |          | 10/01/25 02:05 | 2000    |
| Toluene-d8 (Surr)            | 101       |           | 80 - 120 |          | 10/01/25 02:05 | 2000    |

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

| Analyte | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Methane | 6800   |           | 440 | 110 | ug/L |   |          | 10/01/25 11:25 | 110     |
| Ethane  | 1100   |           | 830 | 170 | ug/L |   |          | 10/01/25 11:25 | 110     |
| Ethene  | 29000  |           | 770 | 170 | ug/L |   |          | 10/01/25 11:25 | 110     |

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

| Analyte                                                               | Result     | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------------------------------------------|------------|-----------|-----|------|------|---|----------------|----------------|---------|
| 11-Chloroeicosafuoro-3-oxaundecan<br>e-1-sulfonic acid (11Cl-PF3OUdS) | ND         |           | 1.7 | 0.41 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| 1H,1H,2H,2H-Perfluorodecane<br>sulfonic acid (8:2 FTS)                | ND         |           | 3.3 | 0.83 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| 1H,1H,2H,2H-Perfluorohexane<br>sulfonic acid (4:2 FTS)                | ND         |           | 3.3 | 0.83 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| 1H,1H,2H,2H-Perfluorooctane sulfonic<br>acid (6:2 FTS)                | ND         |           | 3.3 | 0.83 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| 3-Perfluoroheptylpropanoic acid (7:3<br>FTCA)                         | ND         |           | 8.3 | 2.1  | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| 3-Perfluoropentylpropanoic acid (5:3<br>FTCA)                         | ND         |           | 8.3 | 2.3  | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| 3-Perfluoropropylpropanoic acid (3:3<br>FTCA)                         | ND         |           | 3.3 | 0.83 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| 4,8-Dioxa-3H-perfluorononanoic acid<br>(ADONA)                        | ND         |           | 1.7 | 0.41 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| 9-Chlorohexadecafluoro-3-oxanonan<br>e-1-sulfonic acid (9Cl-PF3ONS)   | ND         |           | 1.7 | 0.41 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| Hexafluoropropylene Oxide Dimer<br>Acid (HFPO-DA)                     | ND         |           | 1.7 | 1.2  | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| N-ethylperfluorooctane sulfonamide<br>(NEtFOSA)                       | ND         |           | 1.7 | 0.41 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| N-ethylperfluorooctanesulfonamidoac<br>etic acid (NEtFOSAA)           | ND         |           | 1.7 | 0.41 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| N-methylperfluorooctane sulfonamide<br>(NMeFOSA)                      | ND         |           | 1.7 | 0.41 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| N-methylperfluorooctanesulfonamidoa<br>cetic acid (NMeFOSAA)          | ND         |           | 1.7 | 0.41 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| Nonafluoro-3,6-dioxaheptanoic acid<br>(NFDHA)                         | ND         |           | 1.7 | 0.41 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| Perfluoro (2-ethoxyethane) sulfonic<br>acid (PFEESA)                  | ND         |           | 1.7 | 0.41 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| Perfluoro-3-methoxypropanoic acid<br>(PFMPA)                          | ND         |           | 1.7 | 0.41 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| Perfluoro-4-methoxybutanoic acid<br>(PFMBA)                           | ND         |           | 1.7 | 0.41 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| <b>Perfluorobutanesulfonic acid<br/>(PFBS)</b>                        | <b>4.5</b> |           | 1.7 | 0.41 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| <b>Perfluorobutanoic acid (PFBA)</b>                                  | <b>5.1</b> |           | 3.3 | 0.91 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| Perfluorodecanesulfonic acid (PFDS)                                   | ND         |           | 1.7 | 0.41 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| Perfluorodecanoic acid (PFDA)                                         | ND         |           | 1.7 | 0.41 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |

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# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW3S**

**Lab Sample ID: 480-232963-3**

Date Collected: 09/24/25 14:15

Matrix: Water

Date Received: 09/26/25 10:00

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

| Analyte                                      | Result       | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------------------------|--------------|-----------|-----|------|------|---|----------------|----------------|---------|
| Perfluorododecanesulfonic acid (PFDoS)       | ND           |           | 1.7 | 0.50 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| Perfluorododecanoic acid (PFDoA)             | ND           |           | 1.7 | 0.41 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| Perfluoroheptanesulfonic acid (PFHpS)        | ND           |           | 1.7 | 0.41 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| <b>Perfluoroheptanoic acid (PFHpA)</b>       | <b>5.7</b>   |           | 1.7 | 0.66 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| <b>Perfluorohexanesulfonic acid (PFHxS)</b>  | <b>3.4</b>   |           | 1.7 | 0.66 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| <b>Perfluorohexanoic acid (PFHxA)</b>        | <b>12</b>    |           | 1.7 | 0.41 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| Perfluorononanesulfonic acid (PFNS)          | ND           |           | 1.7 | 0.41 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| Perfluorononanoic acid (PFNA)                | ND           |           | 1.7 | 0.41 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| Perfluorooctanesulfonamide (PFOSA)           | ND           |           | 1.7 | 0.41 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| <b>Perfluorooctanesulfonic acid (PFOS)</b>   | <b>6.6 I</b> |           | 1.7 | 1.1  | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| <b>Perfluorooctanoic acid (PFOA)</b>         | <b>15</b>    |           | 1.7 | 0.74 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| <b>Perfluoropentanesulfonic acid (PFPeS)</b> | <b>1.7</b>   |           | 1.7 | 0.41 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| <b>Perfluoropentanoic acid (PFPeA)</b>       | <b>7.3</b>   |           | 1.7 | 0.50 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| Perfluoroundecanoic acid (PFUnA)             | ND           |           | 1.7 | 0.41 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:28 | 1       |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 13C2 4:2 FTS     | 228       | *5+       | 40 - 200 | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| 13C2 6:2 FTS     | 113       |           | 40 - 200 | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| 13C2 8:2 FTS     | 92.4      |           | 40 - 300 | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| 13C2 PFDoA       | 22.2      |           | 10 - 130 | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| 13C3 HFPO-DA     | 84.7      |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| 13C3 PFBS        | 108       |           | 40 - 135 | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| 13C3 PFHxS       | 92.9      |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| 13C4 PFBA        | 76.7      |           | 5 - 130  | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| 13C4 PFHpA       | 94.9      |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| 13C5 PFHxA       | 97.3      |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| 13C5 PFPeA       | 65.6      |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| 13C6 PFDA        | 84.8      |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| 13C7 PFUnA       | 64.1      |           | 30 - 130 | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| 13C8 FOSA        | 79.3      |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| 13C8 PFOA        | 96.2      |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| 13C8 PFOS        | 90.1      |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| 13C9 PFNA        | 97.7      |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| d3-NMeFOSAA      | 58.0      |           | 40 - 170 | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| d3-NMePFOSA      | 59.0      |           | 10 - 130 | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| d5-NEtFOSAA      | 33.1      |           | 25 - 135 | 10/08/25 08:36 | 10/09/25 03:28 | 1       |
| d5-NEtPFOSA      | 26.5      |           | 10 - 130 | 10/08/25 08:36 | 10/09/25 03:28 | 1       |

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

| Analyte                                              | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)  | ND     |           | 8.2 | 3.3  | ng/L |   | 10/01/25 08:35 | 10/02/25 03:58 | 1       |
| N-methylperfluorooctane sulfonamidoethanol (NMeFOSE) | ND     |           | 8.2 | 2.1  | ng/L |   | 10/01/25 08:35 | 10/02/25 03:58 | 1       |
| Perfluorotetradecanoic acid (PFTeDA)                 | ND     |           | 1.6 | 0.41 | ng/L |   | 10/01/25 08:35 | 10/02/25 03:58 | 1       |
| Perfluorotridecanoic acid (PFTrDA)                   | ND     |           | 1.6 | 0.41 | ng/L |   | 10/01/25 08:35 | 10/02/25 03:58 | 1       |

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# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW3S**  
**Date Collected: 09/24/25 14:15**  
**Date Received: 09/26/25 10:00**

**Lab Sample ID: 480-232963-3**  
**Matrix: Water**

| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
|-------------------------|------------------|------------------|---------------|-----------------|-----------------|----------------|
| 13C2 PFD <sub>o</sub> A | 89.1             |                  | 10 - 130      | 10/01/25 08:35  | 10/02/25 03:58  | 1              |
| 13C2 PFTeDA             | 80.9             |                  | 10 - 130      | 10/01/25 08:35  | 10/02/25 03:58  | 1              |
| d7-N-MeFOSE-M           | 85.0             |                  | 10 - 130      | 10/01/25 08:35  | 10/02/25 03:58  | 1              |
| d9-N-EtFOSE-M           | 56.5             |                  | 10 - 130      | 10/01/25 08:35  | 10/02/25 03:58  | 1              |

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

| Analyte | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Iron    | 91.6   |           | 0.050 | 0.019 | mg/L |   | 09/29/25 08:35 | 09/29/25 15:45 | 1       |

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

| Analyte         | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Iron, Dissolved | 88.0   |           | 0.050 | 0.019 | mg/L |   | 09/29/25 08:34 | 09/30/25 00:17 | 1       |

**General Chemistry**

| Analyte             | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Sulfate (EPA 300.0) | 25.0   |           | 20.0 | 3.5 | mg/L |   |          | 09/30/25 02:11 | 10      |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW3I**

**Lab Sample ID: 480-232963-4**

**Date Collected: 09/24/25 11:50**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

**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 |   |          | 10/01/25 16:02 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND            |           | 1.0 | 0.21 | ug/L |   |          | 10/01/25 16:02 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |           | 1.0 | 0.31 | ug/L |   |          | 10/01/25 16:02 | 1       |
| 1,1,2-Trichloroethane                 | ND            |           | 1.0 | 0.23 | ug/L |   |          | 10/01/25 16:02 | 1       |
| 1,1-Dichloroethane                    | ND            |           | 1.0 | 0.38 | ug/L |   |          | 10/01/25 16:02 | 1       |
| 1,1-Dichloroethene                    | ND            |           | 1.0 | 0.29 | ug/L |   |          | 10/01/25 16:02 | 1       |
| 1,2,4-Trichlorobenzene                | ND            |           | 1.0 | 0.41 | ug/L |   |          | 10/01/25 16:02 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND            |           | 1.0 | 0.39 | ug/L |   |          | 10/01/25 16:02 | 1       |
| 1,2-Dibromoethane                     | ND            |           | 1.0 | 0.73 | ug/L |   |          | 10/01/25 16:02 | 1       |
| 1,2-Dichlorobenzene                   | ND            |           | 1.0 | 0.79 | ug/L |   |          | 10/01/25 16:02 | 1       |
| 1,2-Dichloroethane                    | ND            |           | 1.0 | 0.21 | ug/L |   |          | 10/01/25 16:02 | 1       |
| 1,2-Dichloropropane                   | ND            |           | 1.0 | 0.72 | ug/L |   |          | 10/01/25 16:02 | 1       |
| 1,3-Dichlorobenzene                   | ND            |           | 1.0 | 0.78 | ug/L |   |          | 10/01/25 16:02 | 1       |
| 1,4-Dichlorobenzene                   | ND            |           | 1.0 | 0.84 | ug/L |   |          | 10/01/25 16:02 | 1       |
| 2-Butanone (MEK)                      | ND            |           | 10  | 1.3  | ug/L |   |          | 10/01/25 16:02 | 1       |
| 2-Hexanone                            | ND            |           | 5.0 | 1.2  | ug/L |   |          | 10/01/25 16:02 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND            |           | 5.0 | 2.1  | ug/L |   |          | 10/01/25 16:02 | 1       |
| Acetone                               | ND            |           | 10  | 3.0  | ug/L |   |          | 10/01/25 16:02 | 1       |
| Benzene                               | ND            |           | 1.0 | 0.41 | ug/L |   |          | 10/01/25 16:02 | 1       |
| Bromodichloromethane                  | ND            |           | 1.0 | 0.39 | ug/L |   |          | 10/01/25 16:02 | 1       |
| Bromoform                             | ND            |           | 1.0 | 0.26 | ug/L |   |          | 10/01/25 16:02 | 1       |
| Bromomethane                          | ND            |           | 1.0 | 0.69 | ug/L |   |          | 10/01/25 16:02 | 1       |
| Carbon disulfide                      | ND            |           | 1.0 | 0.19 | ug/L |   |          | 10/01/25 16:02 | 1       |
| Carbon tetrachloride                  | ND            |           | 1.0 | 0.27 | ug/L |   |          | 10/01/25 16:02 | 1       |
| Chlorobenzene                         | ND            |           | 1.0 | 0.75 | ug/L |   |          | 10/01/25 16:02 | 1       |
| Chloroethane                          | ND            |           | 1.0 | 0.32 | ug/L |   |          | 10/01/25 16:02 | 1       |
| Chloroform                            | ND            |           | 1.0 | 0.34 | ug/L |   |          | 10/01/25 16:02 | 1       |
| Chloromethane                         | ND            |           | 1.0 | 0.35 | ug/L |   |          | 10/01/25 16:02 | 1       |
| <b>cis-1,2-Dichloroethene</b>         | <b>2.9</b>    |           | 1.0 | 0.81 | ug/L |   |          | 10/01/25 16:02 | 1       |
| cis-1,3-Dichloropropene               | ND            |           | 1.0 | 0.36 | ug/L |   |          | 10/01/25 16:02 | 1       |
| Cyclohexane                           | ND            |           | 1.0 | 0.18 | ug/L |   |          | 10/01/25 16:02 | 1       |
| Dibromochloromethane                  | ND            |           | 1.0 | 0.32 | ug/L |   |          | 10/01/25 16:02 | 1       |
| Dichlorodifluoromethane               | ND            |           | 1.0 | 0.68 | ug/L |   |          | 10/01/25 16:02 | 1       |
| Ethylbenzene                          | ND            |           | 1.0 | 0.74 | ug/L |   |          | 10/01/25 16:02 | 1       |
| Isopropylbenzene                      | ND            |           | 1.0 | 0.79 | ug/L |   |          | 10/01/25 16:02 | 1       |
| Methyl acetate                        | ND            |           | 2.5 | 1.3  | ug/L |   |          | 10/01/25 16:02 | 1       |
| Methyl tert-butyl ether               | ND            |           | 1.0 | 0.16 | ug/L |   |          | 10/01/25 16:02 | 1       |
| Methylcyclohexane                     | ND            |           | 1.0 | 0.16 | ug/L |   |          | 10/01/25 16:02 | 1       |
| Methylene Chloride                    | ND            |           | 1.0 | 0.44 | ug/L |   |          | 10/01/25 16:02 | 1       |
| Styrene                               | ND            |           | 1.0 | 0.73 | ug/L |   |          | 10/01/25 16:02 | 1       |
| Tetrachloroethene                     | ND            |           | 1.0 | 0.36 | ug/L |   |          | 10/01/25 16:02 | 1       |
| Toluene                               | ND            |           | 1.0 | 0.51 | ug/L |   |          | 10/01/25 16:02 | 1       |
| trans-1,2-Dichloroethene              | ND            |           | 1.0 | 0.90 | ug/L |   |          | 10/01/25 16:02 | 1       |
| trans-1,3-Dichloropropene             | ND            |           | 1.0 | 0.37 | ug/L |   |          | 10/01/25 16:02 | 1       |
| <b>Trichloroethene</b>                | <b>0.53 J</b> |           | 1.0 | 0.46 | ug/L |   |          | 10/01/25 16:02 | 1       |
| Trichlorofluoromethane                | ND            |           | 1.0 | 0.88 | ug/L |   |          | 10/01/25 16:02 | 1       |
| <b>Vinyl chloride</b>                 | <b>8.4</b>    |           | 1.0 | 0.90 | ug/L |   |          | 10/01/25 16:02 | 1       |
| Xylenes, Total                        | ND            |           | 2.0 | 0.66 | ug/L |   |          | 10/01/25 16:02 | 1       |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW3I**  
**Date Collected: 09/24/25 11:50**  
**Date Received: 09/26/25 10:00**

**Lab Sample ID: 480-232963-4**  
**Matrix: Water**

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 105       |           | 77 - 120 |          | 10/01/25 16:02 | 1       |
| 4-Bromofluorobenzene (Surr)  | 104       |           | 73 - 120 |          | 10/01/25 16:02 | 1       |
| Dibromofluoromethane (Surr)  | 104       |           | 75 - 123 |          | 10/01/25 16:02 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 10/01/25 16:02 | 1       |

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

| Analyte | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Methane | 140    |           | 4.0 | 1.0 | ug/L |   |          | 10/01/25 11:44 | 1       |
| Ethane  | ND     |           | 7.5 | 1.5 | ug/L |   |          | 10/01/25 11:44 | 1       |
| Ethene  | ND     |           | 7.0 | 1.5 | ug/L |   |          | 10/01/25 11:44 | 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-Chloroeicosafuoro-3-oxaundecan<br>e-1-sulfonic acid (11Cl-PF3OUdS) | ND          |           | 1.6 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| 1H,1H,2H,2H-Perfluorodecane<br>sulfonic acid (8:2 FTS)                | ND          |           | 3.1 | 0.78 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| 1H,1H,2H,2H-Perfluorohexane<br>sulfonic acid (4:2 FTS)                | ND          |           | 3.1 | 0.78 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| 1H,1H,2H,2H-Perfluorooctane sulfonic<br>acid (6:2 FTS)                | ND          |           | 3.1 | 0.78 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| 3-Perfluoroheptylpropanoic acid (7:3<br>FTCA)                         | ND          |           | 7.8 | 1.9  | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| 3-Perfluoropentylpropanoic acid (5:3<br>FTCA)                         | ND          |           | 7.8 | 2.2  | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| 3-Perfluoropropylpropanoic acid (3:3<br>FTCA)                         | ND          |           | 3.1 | 0.78 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| 4,8-Dioxa-3H-perfluorononanoic acid<br>(ADONA)                        | ND          |           | 1.6 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| 9-Chlorohexadecafluoro-3-oxanonan<br>e-1-sulfonic acid (9Cl-PF3ONS)   | ND          |           | 1.6 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| Hexafluoropropylene Oxide Dimer<br>Acid (HFPO-DA)                     | ND          |           | 1.6 | 1.1  | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| N-ethylperfluorooctane sulfonamide<br>(NEtFOSA)                       | ND          |           | 1.6 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| N-ethylperfluorooctane<br>sulfonamidoethanol (NEtFOSE)                | ND          |           | 7.8 | 3.1  | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| N-ethylperfluorooctanesulfonamidoac<br>etic acid (NEtFOSAA)           | ND          |           | 1.6 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| N-methylperfluorooctane sulfonamide<br>(NMeFOSA)                      | ND          |           | 1.6 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| N-methylperfluorooctane<br>sulfonamidoethanol (NMeFOSE)               | ND          |           | 7.8 | 1.9  | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| N-methylperfluorooctanesulfonamidoa<br>cetic acid (NMeFOSAA)          | ND          |           | 1.6 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| Nonafluoro-3,6-dioxaheptanoic acid<br>(NFDHA)                         | ND          |           | 1.6 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| Perfluoro (2-ethoxyethane) sulfonic<br>acid (PFEESA)                  | ND          |           | 1.6 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| Perfluoro-3-methoxypropanoic acid<br>(PFMPA)                          | ND          |           | 1.6 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| Perfluoro-4-methoxybutanoic acid<br>(PFMBA)                           | ND          |           | 1.6 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| Perfluorobutanesulfonic acid (PFBS)                                   | ND          |           | 1.6 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| <b>Perfluorobutanoic acid (PFBA)</b>                                  | <b>0.97</b> | <b>J</b>  | 3.1 | 0.85 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |

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# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW3I**  
**Date Collected: 09/24/25 11:50**  
**Date Received: 09/26/25 10:00**

**Lab Sample ID: 480-232963-4**  
**Matrix: Water**

**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 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| Perfluorodecanoic acid (PFDA)          | ND     |           | 1.6 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| Perfluorododecanesulfonic acid (PFDoS) | ND     |           | 1.6 | 0.47 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| Perfluorododecanoic acid (PFDoA)       | ND     |           | 1.6 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| Perfluoroheptanesulfonic acid (PFHpS)  | ND     |           | 1.6 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| Perfluoroheptanoic acid (PFHpA)        | ND     |           | 1.6 | 0.62 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| Perfluorohexanesulfonic acid (PFHxS)   | ND     |           | 1.6 | 0.62 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| Perfluorohexanoic acid (PFHxA)         | ND     |           | 1.6 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| Perfluorononanesulfonic acid (PFNS)    | ND     |           | 1.6 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| Perfluorononanoic acid (PFNA)          | ND     |           | 1.6 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| Perfluorooctanesulfonamide (PFOSA)     | ND     |           | 1.6 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| Perfluorooctanesulfonic acid (PFOS)    | ND     |           | 1.6 | 1.0  | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| Perfluorooctanoic acid (PFOA)          | ND     |           | 1.6 | 0.70 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| Perfluoropentanesulfonic acid (PFPeS)  | ND     |           | 1.6 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| Perfluoropentanoic acid (PFPeA)        | ND     |           | 1.6 | 0.47 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| Perfluorotetradecanoic acid (PFTeDA)   | ND     |           | 1.6 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| Perfluorotridecanoic acid (PFTrDA)     | ND     |           | 1.6 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| Perfluoroundecanoic acid (PFUnA)       | ND     |           | 1.6 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:41 | 1       |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 13C2 4:2 FTS     | 108       |           | 40 - 200 | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| 13C2 6:2 FTS     | 99.2      |           | 40 - 200 | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| 13C2 8:2 FTS     | 94.6      |           | 40 - 300 | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| 13C2 PFDoA       | 57.2      |           | 10 - 130 | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| 13C2 PFTeDA      | 38.1      |           | 10 - 130 | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| 13C3 HFPO-DA     | 91.0      |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| 13C3 PFBS        | 116       |           | 40 - 135 | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| 13C3 PFHxS       | 96.3      |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| 13C4 PFBA        | 105       |           | 5 - 130  | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| 13C4 PFHpA       | 94.7      |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| 13C5 PFHxA       | 106       |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| 13C5 PFPeA       | 108       |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| 13C6 PFDA        | 88.2      |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| 13C7 PFUnA       | 73.1      |           | 30 - 130 | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| 13C8 FOSA        | 84.1      |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| 13C8 PFOA        | 99.1      |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| 13C8 PFOS        | 92.5      |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| 13C9 PFNA        | 100       |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| d3-NMeFOSAA      | 68.6      |           | 40 - 170 | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| d3-NMePFOSA      | 62.2      |           | 10 - 130 | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| d5-NEtFOSAA      | 54.2      |           | 25 - 135 | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| d5-NEtPFOSA      | 52.7      |           | 10 - 130 | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| d7-N-MeFOSE-M    | 23.0      |           | 10 - 130 | 10/08/25 08:36 | 10/09/25 03:41 | 1       |
| d9-N-EtFOSE-M    | 15.4      |           | 10 - 130 | 10/08/25 08:36 | 10/09/25 03:41 | 1       |

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

| Analyte | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Iron    | 1.1    |           | 0.050 | 0.019 | mg/L |   | 09/29/25 08:35 | 09/29/25 15:47 | 1       |

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# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW3I**

**Lab Sample ID: 480-232963-4**

Date Collected: 09/24/25 11:50

Matrix: Water

Date Received: 09/26/25 10:00

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

| Analyte         | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Iron, Dissolved | 1.0    |           | 0.050 | 0.019 | mg/L |   | 09/29/25 08:34 | 09/30/25 00:19 | 1       |

## General Chemistry

| Analyte             | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Sulfate (EPA 300.0) | 79.9   |           | 10.0 | 1.7 | mg/L |   |          | 09/30/25 02:26 | 5       |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW4S**

**Lab Sample ID: 480-232963-5**

**Date Collected: 09/24/25 15:00**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

**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 |   |          | 10/01/25 02:51 | 2000    |
| 1,1,2,2-Tetrachloroethane             | ND           |           | 2000  | 420  | ug/L |   |          | 10/01/25 02:51 | 2000    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND           |           | 2000  | 620  | ug/L |   |          | 10/01/25 02:51 | 2000    |
| 1,1,2-Trichloroethane                 | ND           |           | 2000  | 460  | ug/L |   |          | 10/01/25 02:51 | 2000    |
| 1,1-Dichloroethane                    | ND           |           | 2000  | 760  | ug/L |   |          | 10/01/25 02:51 | 2000    |
| 1,1-Dichloroethene                    | ND           |           | 2000  | 580  | ug/L |   |          | 10/01/25 02:51 | 2000    |
| 1,2,4-Trichlorobenzene                | ND           |           | 2000  | 820  | ug/L |   |          | 10/01/25 02:51 | 2000    |
| 1,2-Dibromo-3-Chloropropane           | ND           |           | 2000  | 780  | ug/L |   |          | 10/01/25 02:51 | 2000    |
| 1,2-Dibromoethane                     | ND           |           | 2000  | 1500 | ug/L |   |          | 10/01/25 02:51 | 2000    |
| 1,2-Dichlorobenzene                   | ND           |           | 2000  | 1600 | ug/L |   |          | 10/01/25 02:51 | 2000    |
| 1,2-Dichloroethane                    | ND           |           | 2000  | 420  | ug/L |   |          | 10/01/25 02:51 | 2000    |
| 1,2-Dichloropropane                   | ND           |           | 2000  | 1400 | ug/L |   |          | 10/01/25 02:51 | 2000    |
| 1,3-Dichlorobenzene                   | ND           |           | 2000  | 1600 | ug/L |   |          | 10/01/25 02:51 | 2000    |
| 1,4-Dichlorobenzene                   | ND           |           | 2000  | 1700 | ug/L |   |          | 10/01/25 02:51 | 2000    |
| 2-Butanone (MEK)                      | ND           |           | 20000 | 2600 | ug/L |   |          | 10/01/25 02:51 | 2000    |
| 2-Hexanone                            | ND           |           | 10000 | 2500 | ug/L |   |          | 10/01/25 02:51 | 2000    |
| 4-Methyl-2-pentanone (MIBK)           | ND           |           | 10000 | 4200 | ug/L |   |          | 10/01/25 02:51 | 2000    |
| Acetone                               | ND           |           | 20000 | 6000 | ug/L |   |          | 10/01/25 02:51 | 2000    |
| Benzene                               | ND           |           | 2000  | 820  | ug/L |   |          | 10/01/25 02:51 | 2000    |
| Bromodichloromethane                  | ND           |           | 2000  | 780  | ug/L |   |          | 10/01/25 02:51 | 2000    |
| Bromoform                             | ND           |           | 2000  | 520  | ug/L |   |          | 10/01/25 02:51 | 2000    |
| Bromomethane                          | ND           |           | 2000  | 1400 | ug/L |   |          | 10/01/25 02:51 | 2000    |
| Carbon disulfide                      | ND           |           | 2000  | 380  | ug/L |   |          | 10/01/25 02:51 | 2000    |
| Carbon tetrachloride                  | ND           |           | 2000  | 540  | ug/L |   |          | 10/01/25 02:51 | 2000    |
| Chlorobenzene                         | ND           |           | 2000  | 1500 | ug/L |   |          | 10/01/25 02:51 | 2000    |
| Chloroethane                          | ND           |           | 2000  | 640  | ug/L |   |          | 10/01/25 02:51 | 2000    |
| Chloroform                            | ND           |           | 2000  | 680  | ug/L |   |          | 10/01/25 02:51 | 2000    |
| Chloromethane                         | ND           |           | 2000  | 700  | ug/L |   |          | 10/01/25 02:51 | 2000    |
| <b>cis-1,2-Dichloroethene</b>         | <b>8100</b>  |           | 2000  | 1600 | ug/L |   |          | 10/01/25 02:51 | 2000    |
| cis-1,3-Dichloropropene               | ND           |           | 2000  | 720  | ug/L |   |          | 10/01/25 02:51 | 2000    |
| Cyclohexane                           | ND           |           | 2000  | 360  | ug/L |   |          | 10/01/25 02:51 | 2000    |
| Dibromochloromethane                  | ND           |           | 2000  | 640  | ug/L |   |          | 10/01/25 02:51 | 2000    |
| Dichlorodifluoromethane               | ND           |           | 2000  | 1400 | ug/L |   |          | 10/01/25 02:51 | 2000    |
| Ethylbenzene                          | ND           |           | 2000  | 1500 | ug/L |   |          | 10/01/25 02:51 | 2000    |
| Isopropylbenzene                      | ND           |           | 2000  | 1600 | ug/L |   |          | 10/01/25 02:51 | 2000    |
| Methyl acetate                        | ND           |           | 5000  | 2600 | ug/L |   |          | 10/01/25 02:51 | 2000    |
| Methyl tert-butyl ether               | ND           |           | 2000  | 320  | ug/L |   |          | 10/01/25 02:51 | 2000    |
| Methylcyclohexane                     | ND           |           | 2000  | 320  | ug/L |   |          | 10/01/25 02:51 | 2000    |
| Methylene Chloride                    | ND           |           | 2000  | 880  | ug/L |   |          | 10/01/25 02:51 | 2000    |
| Styrene                               | ND           |           | 2000  | 1500 | ug/L |   |          | 10/01/25 02:51 | 2000    |
| <b>Tetrachloroethene</b>              | <b>85000</b> |           | 2000  | 720  | ug/L |   |          | 10/01/25 02:51 | 2000    |
| Toluene                               | ND           |           | 2000  | 1000 | ug/L |   |          | 10/01/25 02:51 | 2000    |
| trans-1,2-Dichloroethene              | ND           |           | 2000  | 1800 | ug/L |   |          | 10/01/25 02:51 | 2000    |
| trans-1,3-Dichloropropene             | ND           |           | 2000  | 740  | ug/L |   |          | 10/01/25 02:51 | 2000    |
| <b>Trichloroethene</b>                | <b>4100</b>  |           | 2000  | 920  | ug/L |   |          | 10/01/25 02:51 | 2000    |
| Trichlorofluoromethane                | ND           |           | 2000  | 1800 | ug/L |   |          | 10/01/25 02:51 | 2000    |
| Vinyl chloride                        | ND           |           | 2000  | 1800 | ug/L |   |          | 10/01/25 02:51 | 2000    |
| Xylenes, Total                        | ND           |           | 4000  | 1300 | ug/L |   |          | 10/01/25 02:51 | 2000    |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW4S**

**Lab Sample ID: 480-232963-5**

**Date Collected: 09/24/25 15:00**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 109       |           | 77 - 120 |          | 10/01/25 02:51 | 2000    |
| 4-Bromofluorobenzene (Surr)  | 108       |           | 73 - 120 |          | 10/01/25 02:51 | 2000    |
| Dibromofluoromethane (Surr)  | 108       |           | 75 - 123 |          | 10/01/25 02:51 | 2000    |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 10/01/25 02:51 | 2000    |

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

| Analyte | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Ethane  | 390    |           | 7.5 | 1.5 | ug/L |   |          | 10/01/25 12:03 | 1       |
| Ethene  | 13     |           | 7.0 | 1.5 | ug/L |   |          | 10/01/25 12:03 | 1       |

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

| Analyte | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Methane | 4600   |           | 180 | 44  | ug/L |   |          | 10/01/25 13:18 | 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<br>e-1-sulfonic acid (11Cl-PF3OUdS) | ND     |           | 1.5 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| 1H,1H,2H,2H-Perfluorodecane<br>sulfonic acid (8:2 FTS)                 | ND     |           | 3.1 | 0.77 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| 1H,1H,2H,2H-Perfluorohexane<br>sulfonic acid (4:2 FTS)                 | ND     |           | 3.1 | 0.77 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| 1H,1H,2H,2H-Perfluorooctane sulfonic<br>acid (6:2 FTS)                 | ND     |           | 3.1 | 0.77 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| 3-Perfluoroheptylpropanoic acid (7:3<br>FTCA)                          | ND     |           | 7.7 | 1.9  | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| 3-Perfluoropentylpropanoic acid (5:3<br>FTCA)                          | ND     |           | 7.7 | 2.2  | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| 3-Perfluoropropylpropanoic acid (3:3<br>FTCA)                          | ND     |           | 3.1 | 0.77 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| 4,8-Dioxa-3H-perfluorononanoic acid<br>(ADONA)                         | ND     |           | 1.5 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| 9-Chlorohexadecafluoro-3-oxanonan<br>e-1-sulfonic acid (9Cl-PF3ONS)    | ND     |           | 1.5 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| Hexafluoropropylene Oxide Dimer<br>Acid (HFPO-DA)                      | ND     |           | 1.5 | 1.1  | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| N-ethylperfluorooctane sulfonamide<br>(NEtFOSA)                        | ND     |           | 1.5 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| N-ethylperfluorooctane<br>sulfonamidoethanol (NEtFOSE)                 | ND     |           | 7.7 | 3.1  | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| N-ethylperfluorooctanesulfonamidoac<br>etic acid (NEtFOSAA)            | ND     |           | 1.5 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| N-methylperfluorooctane sulfonamide<br>(NMeFOSA)                       | ND     |           | 1.5 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| N-methylperfluorooctane<br>sulfonamidoethanol (NMeFOSE)                | ND     |           | 7.7 | 1.9  | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| N-methylperfluorooctanesulfonamidoa<br>cetic acid (NMeFOSAA)           | ND     |           | 1.5 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| Nonafluoro-3,6-dioxaheptanoic acid<br>(NFDHA)                          | ND     |           | 1.5 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| Perfluoro (2-ethoxyethane) sulfonic<br>acid (PFEESA)                   | ND     |           | 1.5 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| Perfluoro-3-methoxypropanoic acid<br>(PFMPA)                           | ND     |           | 1.5 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| Perfluoro-4-methoxybutanoic acid<br>(PFMBA)                            | ND     |           | 1.5 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |

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# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW4S**

**Lab Sample ID: 480-232963-5**

Date Collected: 09/24/25 15:00

Matrix: Water

Date Received: 09/26/25 10:00

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

| Analyte                                      | Result        | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------------------------|---------------|-----------|-----|------|------|---|----------------|----------------|---------|
| <b>Perfluorobutanesulfonic acid (PFBS)</b>   | <b>4.4</b>    |           | 1.5 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| <b>Perfluorobutanoic acid (PFBA)</b>         | <b>12</b>     |           | 3.1 | 0.85 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| Perfluorodecanesulfonic acid (PFDS)          | ND            |           | 1.5 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| <b>Perfluorodecanoic acid (PFDA)</b>         | <b>1.5</b>    |           | 1.5 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| Perfluorododecanesulfonic acid (PFDoS)       | ND            |           | 1.5 | 0.46 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| Perfluorododecanoic acid (PFDoA)             | ND            |           | 1.5 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| Perfluoroheptanesulfonic acid (PFHpS)        | ND            |           | 1.5 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| <b>Perfluoroheptanoic acid (PFHpA)</b>       | <b>11</b>     |           | 1.5 | 0.62 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| <b>Perfluorohexanesulfonic acid (PFHxS)</b>  | <b>3.7</b>    |           | 1.5 | 0.62 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| <b>Perfluorohexanoic acid (PFHxA)</b>        | <b>18</b>     |           | 1.5 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| Perfluorononanesulfonic acid (PFNS)          | ND            |           | 1.5 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| <b>Perfluorononanoic acid (PFNA)</b>         | <b>4.1</b>    |           | 1.5 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| Perfluorooctanesulfonamide (PFOSA)           | ND            |           | 1.5 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| <b>Perfluorooctanesulfonic acid (PFOS)</b>   | <b>17</b>     |           | 1.5 | 1.0  | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| <b>Perfluorooctanoic acid (PFOA)</b>         | <b>24</b>     |           | 1.5 | 0.69 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| <b>Perfluoropentanesulfonic acid (PFPeS)</b> | <b>0.80 J</b> |           | 1.5 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| <b>Perfluoropentanoic acid (PFPeA)</b>       | <b>25</b>     |           | 1.5 | 0.46 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| Perfluorotetradecanoic acid (PFTeDA)         | ND            |           | 1.5 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| Perfluorotridecanoic acid (PFTrDA)           | ND            |           | 1.5 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| Perfluoroundecanoic acid (PFUnA)             | ND            |           | 1.5 | 0.39 | ng/L |   | 10/08/25 08:36 | 10/09/25 03:55 | 1       |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 13C2 4:2 FTS     | 191       |           | 40 - 200 | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| 13C2 6:2 FTS     | 139       |           | 40 - 200 | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| 13C2 8:2 FTS     | 143       |           | 40 - 300 | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| 13C2 PFDoA       | 81.8      |           | 10 - 130 | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| 13C2 PFTeDA      | 61.9      |           | 10 - 130 | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| 13C3 HFPO-DA     | 82.9      |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| 13C3 PFBS        | 117       |           | 40 - 135 | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| 13C3 PFHxS       | 99.9      |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| 13C4 PFBA        | 109       |           | 5 - 130  | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| 13C4 PFHpA       | 91.1      |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| 13C5 PFHxA       | 97.5      |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| 13C5 PFPeA       | 99.2      |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| 13C6 PFDA        | 96.6      |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| 13C7 PFUnA       | 85.7      |           | 30 - 130 | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| 13C8 FOSA        | 94.4      |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| 13C8 PFOA        | 102       |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| 13C8 PFOS        | 104       |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| 13C9 PFNA        | 100       |           | 40 - 130 | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| d3-NMeFOSAA      | 112       |           | 40 - 170 | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| d3-NMePFOSA      | 81.1      |           | 10 - 130 | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| d5-NEtFOSAA      | 87.5      |           | 25 - 135 | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| d5-NEtPFOSA      | 71.7      |           | 10 - 130 | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| d7-N-MeFOSE-M    | 57.3      |           | 10 - 130 | 10/08/25 08:36 | 10/09/25 03:55 | 1       |
| d9-N-EtFOSE-M    | 44.0      |           | 10 - 130 | 10/08/25 08:36 | 10/09/25 03:55 | 1       |

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# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW4S**

**Lab Sample ID: 480-232963-5**

Date Collected: 09/24/25 15:00

Matrix: Water

Date Received: 09/26/25 10:00

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

| Analyte | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Iron    | 1.5    |           | 0.050 | 0.019 | mg/L |   | 09/29/25 08:35 | 09/29/25 15:49 | 1       |

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

| Analyte         | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Iron, Dissolved | 0.081  |           | 0.050 | 0.019 | mg/L |   | 09/29/25 08:34 | 09/30/25 00:24 | 1       |

**General Chemistry**

| Analyte             | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Sulfate (EPA 300.0) | 131    |           | 40.0 | 7.0 | mg/L |   |          | 09/30/25 16:37 | 20      |



# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW4I**

**Lab Sample ID: 480-232963-6**

**Date Collected: 09/24/25 14:00**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

**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 |   |          | 10/01/25 03:14 | 40      |
| 1,1,2,2-Tetrachloroethane             | ND          |           | 40  | 8.4 | ug/L |   |          | 10/01/25 03:14 | 40      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND          |           | 40  | 12  | ug/L |   |          | 10/01/25 03:14 | 40      |
| 1,1,2-Trichloroethane                 | ND          |           | 40  | 9.2 | ug/L |   |          | 10/01/25 03:14 | 40      |
| 1,1-Dichloroethane                    | ND          |           | 40  | 15  | ug/L |   |          | 10/01/25 03:14 | 40      |
| <b>1,1-Dichloroethene</b>             | <b>36</b>   | <b>J</b>  | 40  | 12  | ug/L |   |          | 10/01/25 03:14 | 40      |
| 1,2,4-Trichlorobenzene                | ND          |           | 40  | 16  | ug/L |   |          | 10/01/25 03:14 | 40      |
| 1,2-Dibromo-3-Chloropropane           | ND          |           | 40  | 16  | ug/L |   |          | 10/01/25 03:14 | 40      |
| 1,2-Dibromoethane                     | ND          |           | 40  | 29  | ug/L |   |          | 10/01/25 03:14 | 40      |
| 1,2-Dichlorobenzene                   | ND          |           | 40  | 32  | ug/L |   |          | 10/01/25 03:14 | 40      |
| 1,2-Dichloroethane                    | ND          |           | 40  | 8.4 | ug/L |   |          | 10/01/25 03:14 | 40      |
| 1,2-Dichloropropane                   | ND          |           | 40  | 29  | ug/L |   |          | 10/01/25 03:14 | 40      |
| 1,3-Dichlorobenzene                   | ND          |           | 40  | 31  | ug/L |   |          | 10/01/25 03:14 | 40      |
| 1,4-Dichlorobenzene                   | ND          |           | 40  | 34  | ug/L |   |          | 10/01/25 03:14 | 40      |
| 2-Butanone (MEK)                      | ND          |           | 400 | 53  | ug/L |   |          | 10/01/25 03:14 | 40      |
| 2-Hexanone                            | ND          |           | 200 | 50  | ug/L |   |          | 10/01/25 03:14 | 40      |
| 4-Methyl-2-pentanone (MIBK)           | ND          |           | 200 | 84  | ug/L |   |          | 10/01/25 03:14 | 40      |
| Acetone                               | ND          |           | 400 | 120 | ug/L |   |          | 10/01/25 03:14 | 40      |
| Benzene                               | ND          |           | 40  | 16  | ug/L |   |          | 10/01/25 03:14 | 40      |
| Bromodichloromethane                  | ND          |           | 40  | 16  | ug/L |   |          | 10/01/25 03:14 | 40      |
| Bromoform                             | ND          |           | 40  | 10  | ug/L |   |          | 10/01/25 03:14 | 40      |
| Bromomethane                          | ND          |           | 40  | 28  | ug/L |   |          | 10/01/25 03:14 | 40      |
| Carbon disulfide                      | ND          |           | 40  | 7.6 | ug/L |   |          | 10/01/25 03:14 | 40      |
| Carbon tetrachloride                  | ND          |           | 40  | 11  | ug/L |   |          | 10/01/25 03:14 | 40      |
| Chlorobenzene                         | ND          |           | 40  | 30  | ug/L |   |          | 10/01/25 03:14 | 40      |
| Chloroethane                          | ND          |           | 40  | 13  | ug/L |   |          | 10/01/25 03:14 | 40      |
| Chloroform                            | ND          |           | 40  | 14  | ug/L |   |          | 10/01/25 03:14 | 40      |
| Chloromethane                         | ND          |           | 40  | 14  | ug/L |   |          | 10/01/25 03:14 | 40      |
| <b>cis-1,2-Dichloroethene</b>         | <b>3800</b> | <b>F1</b> | 40  | 32  | ug/L |   |          | 10/01/25 03:14 | 40      |
| cis-1,3-Dichloropropene               | ND          |           | 40  | 14  | ug/L |   |          | 10/01/25 03:14 | 40      |
| Cyclohexane                           | ND          |           | 40  | 7.2 | ug/L |   |          | 10/01/25 03:14 | 40      |
| Dibromochloromethane                  | ND          |           | 40  | 13  | ug/L |   |          | 10/01/25 03:14 | 40      |
| Dichlorodifluoromethane               | ND          |           | 40  | 27  | ug/L |   |          | 10/01/25 03:14 | 40      |
| Ethylbenzene                          | ND          |           | 40  | 30  | ug/L |   |          | 10/01/25 03:14 | 40      |
| Isopropylbenzene                      | ND          |           | 40  | 32  | ug/L |   |          | 10/01/25 03:14 | 40      |
| Methyl acetate                        | ND          |           | 100 | 52  | ug/L |   |          | 10/01/25 03:14 | 40      |
| Methyl tert-butyl ether               | ND          |           | 40  | 6.4 | ug/L |   |          | 10/01/25 03:14 | 40      |
| Methylcyclohexane                     | ND          |           | 40  | 6.4 | ug/L |   |          | 10/01/25 03:14 | 40      |
| Methylene Chloride                    | ND          |           | 40  | 18  | ug/L |   |          | 10/01/25 03:14 | 40      |
| Styrene                               | ND          |           | 40  | 29  | ug/L |   |          | 10/01/25 03:14 | 40      |
| <b>Tetrachloroethene</b>              | <b>20</b>   | <b>J</b>  | 40  | 14  | ug/L |   |          | 10/01/25 03:14 | 40      |
| Toluene                               | ND          |           | 40  | 20  | ug/L |   |          | 10/01/25 03:14 | 40      |
| trans-1,2-Dichloroethene              | ND          |           | 40  | 36  | ug/L |   |          | 10/01/25 03:14 | 40      |
| trans-1,3-Dichloropropene             | ND          |           | 40  | 15  | ug/L |   |          | 10/01/25 03:14 | 40      |
| Trichloroethene                       | ND          |           | 40  | 18  | ug/L |   |          | 10/01/25 03:14 | 40      |
| Trichlorofluoromethane                | ND          |           | 40  | 35  | ug/L |   |          | 10/01/25 03:14 | 40      |
| <b>Vinyl chloride</b>                 | <b>550</b>  |           | 40  | 36  | ug/L |   |          | 10/01/25 03:14 | 40      |
| Xylenes, Total                        | ND          |           | 80  | 26  | ug/L |   |          | 10/01/25 03:14 | 40      |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW4I**  
**Date Collected: 09/24/25 14:00**  
**Date Received: 09/26/25 10:00**

**Lab Sample ID: 480-232963-6**  
**Matrix: Water**

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 119       |           | 77 - 120 |          | 10/01/25 03:14 | 40      |
| 4-Bromofluorobenzene (Surr)  | 114       |           | 73 - 120 |          | 10/01/25 03:14 | 40      |
| Dibromofluoromethane (Surr)  | 117       |           | 75 - 123 |          | 10/01/25 03:14 | 40      |
| Toluene-d8 (Surr)            | 108       |           | 80 - 120 |          | 10/01/25 03:14 | 40      |

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

| Analyte | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Ethane  | 15     |           | 7.5 | 1.5 | ug/L |   |          | 10/01/25 12:21 | 1       |
| Ethene  | 54     |           | 7.0 | 1.5 | ug/L |   |          | 10/01/25 12:21 | 1       |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Methane | 1400   |           | 88 | 22  | ug/L |   |          | 10/01/25 13:56 | 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<br>e-1-sulfonic acid (11Cl-PF3OUdS) | ND     |           | 1.5 | 0.38 | ng/L |   | 10/08/25 08:36 | 10/09/25 04:08 | 1       |
| 1H,1H,2H,2H-Perfluorodecane<br>sulfonic acid (8:2 FTS)                 | ND     |           | 3.0 | 0.76 | ng/L |   | 10/08/25 08:36 | 10/09/25 04:08 | 1       |
| 1H,1H,2H,2H-Perfluorohexane<br>sulfonic acid (4:2 FTS)                 | ND     |           | 3.0 | 0.76 | ng/L |   | 10/08/25 08:36 | 10/09/25 04:08 | 1       |
| 1H,1H,2H,2H-Perfluorooctane sulfonic<br>acid (6:2 FTS)                 | ND     |           | 3.0 | 0.76 | ng/L |   | 10/08/25 08:36 | 10/09/25 04:08 | 1       |
| 3-Perfluoroheptylpropanoic acid (7:3<br>FTCA)                          | ND     |           | 7.6 | 1.9  | ng/L |   | 10/08/25 08:36 | 10/09/25 04:08 | 1       |
| 3-Perfluoropentylpropanoic acid (5:3<br>FTCA)                          | ND     |           | 7.6 | 2.1  | ng/L |   | 10/08/25 08:36 | 10/09/25 04:08 | 1       |
| 3-Perfluoropropylpropanoic acid (3:3<br>FTCA)                          | ND     |           | 3.0 | 0.76 | ng/L |   | 10/08/25 08:36 | 10/09/25 04:08 | 1       |
| 4,8-Dioxa-3H-perfluorononanoic acid<br>(ADONA)                         | ND     |           | 1.5 | 0.38 | ng/L |   | 10/08/25 08:36 | 10/09/25 04:08 | 1       |
| 9-Chlorohexadecafluoro-3-oxanonan<br>e-1-sulfonic acid (9Cl-PF3ONS)    | ND     |           | 1.5 | 0.38 | ng/L |   | 10/08/25 08:36 | 10/09/25 04:08 | 1       |
| Hexafluoropropylene Oxide Dimer<br>Acid (HFPO-DA)                      | ND     |           | 1.5 | 1.1  | ng/L |   | 10/08/25 08:36 | 10/09/25 04:08 | 1       |
| N-ethylperfluorooctane sulfonamide<br>(NEtFOSA)                        | ND     |           | 1.5 | 0.38 | ng/L |   | 10/08/25 08:36 | 10/09/25 04:08 | 1       |
| N-ethylperfluorooctane<br>sulfonamidoethanol (NEtFOSE)                 | ND     |           | 7.6 | 3.0  | ng/L |   | 10/08/25 08:36 | 10/09/25 04:08 | 1       |
| N-ethylperfluorooctanesulfonamidoac<br>etic acid (NEtFOSAA)            | ND     |           | 1.5 | 0.38 | ng/L |   | 10/08/25 08:36 | 10/09/25 04:08 | 1       |
| N-methylperfluorooctane sulfonamide<br>(NMeFOSA)                       | ND     |           | 1.5 | 0.38 | ng/L |   | 10/08/25 08:36 | 10/09/25 04:08 | 1       |
| N-methylperfluorooctane<br>sulfonamidoethanol (NMeFOSE)                | ND     |           | 7.6 | 1.9  | ng/L |   | 10/08/25 08:36 | 10/09/25 04:08 | 1       |
| N-methylperfluorooctanesulfonamidoa<br>cetic acid (NMeFOSAA)           | ND     |           | 1.5 | 0.38 | ng/L |   | 10/08/25 08:36 | 10/09/25 04:08 | 1       |
| Nonafluoro-3,6-dioxaheptanoic acid<br>(NFDHA)                          | ND     |           | 1.5 | 0.38 | ng/L |   | 10/08/25 08:36 | 10/09/25 04:08 | 1       |
| Perfluoro (2-ethoxyethane) sulfonic<br>acid (PFEESA)                   | ND     |           | 1.5 | 0.38 | ng/L |   | 10/08/25 08:36 | 10/09/25 04:08 | 1       |
| Perfluoro-3-methoxypropanoic acid<br>(PFMPA)                           | ND     |           | 1.5 | 0.38 | ng/L |   | 10/08/25 08:36 | 10/09/25 04:08 | 1       |
| Perfluoro-4-methoxybutanoic acid<br>(PFMBA)                            | ND     |           | 1.5 | 0.38 | ng/L |   | 10/08/25 08:36 | 10/09/25 04:08 | 1       |

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# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW4I**

**Lab Sample ID: 480-232963-6**

**Date Collected: 09/24/25 14:00**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

**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)    | ND               |                  | 1.5           | 0.38 | ng/L |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| <b>Perfluorobutanoic acid (PFBA)</b>   | <b>1.1</b>       | <b>J</b>         | 3.0           | 0.83 | ng/L |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| Perfluorodecanesulfonic acid (PFDS)    | ND               |                  | 1.5           | 0.38 | ng/L |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| Perfluorodecanoic acid (PFDA)          | ND               |                  | 1.5           | 0.38 | ng/L |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| Perfluorododecanesulfonic acid (PFDoS) | ND               |                  | 1.5           | 0.45 | ng/L |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| Perfluorododecanoic acid (PFDoA)       | ND               |                  | 1.5           | 0.38 | ng/L |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| Perfluoroheptanesulfonic acid (PFHpS)  | ND               |                  | 1.5           | 0.38 | ng/L |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| Perfluoroheptanoic acid (PFHpA)        | ND               |                  | 1.5           | 0.61 | ng/L |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| Perfluorohexanesulfonic acid (PFHxS)   | ND               |                  | 1.5           | 0.61 | ng/L |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| Perfluorohexanoic acid (PFHxA)         | ND               |                  | 1.5           | 0.38 | ng/L |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| Perfluorononanesulfonic acid (PFNS)    | ND               |                  | 1.5           | 0.38 | ng/L |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| Perfluorononanoic acid (PFNA)          | ND               |                  | 1.5           | 0.38 | ng/L |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| Perfluorooctanesulfonamide (PFOSA)     | ND               |                  | 1.5           | 0.38 | ng/L |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| Perfluorooctanesulfonic acid (PFOS)    | ND               |                  | 1.5           | 0.99 | ng/L |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| Perfluorooctanoic acid (PFOA)          | ND               |                  | 1.5           | 0.68 | ng/L |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| Perfluoropentanesulfonic acid (PFPeS)  | ND               |                  | 1.5           | 0.38 | ng/L |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| Perfluoropentanoic acid (PFPeA)        | ND               |                  | 1.5           | 0.45 | ng/L |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| Perfluorotetradecanoic acid (PFTeDA)   | ND               |                  | 1.5           | 0.38 | ng/L |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| Perfluorotridecanoic acid (PFTrDA)     | ND               |                  | 1.5           | 0.38 | ng/L |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| Perfluoroundecanoic acid (PFUnA)       | ND               |                  | 1.5           | 0.38 | ng/L |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| <b>Isotope Dilution</b>                | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |      |      |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 13C2 4:2 FTS                           | 113              |                  | 40 - 200      |      |      |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| 13C2 6:2 FTS                           | 92.9             |                  | 40 - 200      |      |      |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| 13C2 8:2 FTS                           | 97.7             |                  | 40 - 300      |      |      |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| 13C2 PFDoA                             | 80.5             |                  | 10 - 130      |      |      |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| 13C2 PFTeDA                            | 66.6             |                  | 10 - 130      |      |      |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| 13C3 HFPO-DA                           | 85.9             |                  | 40 - 130      |      |      |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| 13C3 PFBS                              | 110              |                  | 40 - 135      |      |      |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| 13C3 PFHxS                             | 92.8             |                  | 40 - 130      |      |      |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| 13C4 PFBA                              | 99.7             |                  | 5 - 130       |      |      |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| 13C4 PFHpA                             | 86.4             |                  | 40 - 130      |      |      |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| 13C5 PFHxA                             | 99.5             |                  | 40 - 130      |      |      |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| 13C5 PFPeA                             | 102              |                  | 40 - 130      |      |      |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| 13C6 PFDA                              | 84.0             |                  | 40 - 130      |      |      |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| 13C7 PFUnA                             | 78.0             |                  | 30 - 130      |      |      |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| 13C8 FOSA                              | 80.0             |                  | 40 - 130      |      |      |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| 13C8 PFOA                              | 88.8             |                  | 40 - 130      |      |      |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| 13C8 PFOS                              | 88.8             |                  | 40 - 130      |      |      |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| 13C9 PFNA                              | 93.4             |                  | 40 - 130      |      |      |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| d3-NMeFOSAA                            | 77.1             |                  | 40 - 170      |      |      |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| d3-NMePFOSA                            | 69.3             |                  | 10 - 130      |      |      |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| d5-NEtFOSAA                            | 66.6             |                  | 25 - 135      |      |      |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| d5-NEtPFOSA                            | 65.7             |                  | 10 - 130      |      |      |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| d7-N-MeFOSE-M                          | 49.2             |                  | 10 - 130      |      |      |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |
| d9-N-EtFOSE-M                          | 38.6             |                  | 10 - 130      |      |      |   | 10/08/25 08:36  | 10/09/25 04:08  | 1              |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW4I**

**Lab Sample ID: 480-232963-6**

Date Collected: 09/24/25 14:00

Matrix: Water

Date Received: 09/26/25 10:00

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

| Analyte | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Iron    | 1.2    |           | 0.050 | 0.019 | mg/L |   | 09/29/25 08:35 | 09/29/25 15:52 | 1       |

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

| Analyte         | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Iron, Dissolved | 1.3    |           | 0.050 | 0.019 | mg/L |   | 09/29/25 08:34 | 09/30/25 00:22 | 1       |

**General Chemistry**

| Analyte             | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Sulfate (EPA 300.0) | 128    |           | 10.0 | 1.7 | mg/L |   |          | 09/30/25 16:52 | 5       |



# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW5S**

**Lab Sample ID: 480-232963-7**

**Date Collected: 09/24/25 09:50**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

**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         |           | 10  | 8.2 | ug/L |   |          | 10/01/25 03:38 | 10      |
| 1,1,2,2-Tetrachloroethane             | ND         |           | 10  | 2.1 | ug/L |   |          | 10/01/25 03:38 | 10      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND         |           | 10  | 3.1 | ug/L |   |          | 10/01/25 03:38 | 10      |
| 1,1,2-Trichloroethane                 | ND         |           | 10  | 2.3 | ug/L |   |          | 10/01/25 03:38 | 10      |
| 1,1-Dichloroethane                    | ND         |           | 10  | 3.8 | ug/L |   |          | 10/01/25 03:38 | 10      |
| 1,1-Dichloroethene                    | ND         |           | 10  | 2.9 | ug/L |   |          | 10/01/25 03:38 | 10      |
| 1,2,4-Trichlorobenzene                | ND         |           | 10  | 4.1 | ug/L |   |          | 10/01/25 03:38 | 10      |
| 1,2-Dibromo-3-Chloropropane           | ND         |           | 10  | 3.9 | ug/L |   |          | 10/01/25 03:38 | 10      |
| 1,2-Dibromoethane                     | ND         |           | 10  | 7.3 | ug/L |   |          | 10/01/25 03:38 | 10      |
| 1,2-Dichlorobenzene                   | ND         |           | 10  | 7.9 | ug/L |   |          | 10/01/25 03:38 | 10      |
| 1,2-Dichloroethane                    | ND         |           | 10  | 2.1 | ug/L |   |          | 10/01/25 03:38 | 10      |
| 1,2-Dichloropropane                   | ND         |           | 10  | 7.2 | ug/L |   |          | 10/01/25 03:38 | 10      |
| 1,3-Dichlorobenzene                   | ND         |           | 10  | 7.8 | ug/L |   |          | 10/01/25 03:38 | 10      |
| 1,4-Dichlorobenzene                   | ND         |           | 10  | 8.4 | ug/L |   |          | 10/01/25 03:38 | 10      |
| <b>2-Butanone (MEK)</b>               | <b>34</b>  | <b>J</b>  | 100 | 13  | ug/L |   |          | 10/01/25 03:38 | 10      |
| 2-Hexanone                            | ND         |           | 50  | 12  | ug/L |   |          | 10/01/25 03:38 | 10      |
| 4-Methyl-2-pentanone (MIBK)           | ND         |           | 50  | 21  | ug/L |   |          | 10/01/25 03:38 | 10      |
| <b>Acetone</b>                        | <b>86</b>  | <b>J</b>  | 100 | 30  | ug/L |   |          | 10/01/25 03:38 | 10      |
| <b>Benzene</b>                        | <b>18</b>  |           | 10  | 4.1 | ug/L |   |          | 10/01/25 03:38 | 10      |
| Bromodichloromethane                  | ND         |           | 10  | 3.9 | ug/L |   |          | 10/01/25 03:38 | 10      |
| Bromoform                             | ND         |           | 10  | 2.6 | ug/L |   |          | 10/01/25 03:38 | 10      |
| Bromomethane                          | ND         |           | 10  | 6.9 | ug/L |   |          | 10/01/25 03:38 | 10      |
| Carbon disulfide                      | ND         |           | 10  | 1.9 | ug/L |   |          | 10/01/25 03:38 | 10      |
| Carbon tetrachloride                  | ND         |           | 10  | 2.7 | ug/L |   |          | 10/01/25 03:38 | 10      |
| Chlorobenzene                         | ND         |           | 10  | 7.5 | ug/L |   |          | 10/01/25 03:38 | 10      |
| Chloroethane                          | ND         |           | 10  | 3.2 | ug/L |   |          | 10/01/25 03:38 | 10      |
| Chloroform                            | ND         |           | 10  | 3.4 | ug/L |   |          | 10/01/25 03:38 | 10      |
| Chloromethane                         | ND         |           | 10  | 3.5 | ug/L |   |          | 10/01/25 03:38 | 10      |
| cis-1,2-Dichloroethene                | ND         |           | 10  | 8.1 | ug/L |   |          | 10/01/25 03:38 | 10      |
| cis-1,3-Dichloropropene               | ND         |           | 10  | 3.6 | ug/L |   |          | 10/01/25 03:38 | 10      |
| <b>Cyclohexane</b>                    | <b>370</b> |           | 10  | 1.8 | ug/L |   |          | 10/01/25 03:38 | 10      |
| Dibromochloromethane                  | ND         |           | 10  | 3.2 | ug/L |   |          | 10/01/25 03:38 | 10      |
| Dichlorodifluoromethane               | ND         |           | 10  | 6.8 | ug/L |   |          | 10/01/25 03:38 | 10      |
| <b>Ethylbenzene</b>                   | <b>260</b> |           | 10  | 7.4 | ug/L |   |          | 10/01/25 03:38 | 10      |
| <b>Isopropylbenzene</b>               | <b>110</b> |           | 10  | 7.9 | ug/L |   |          | 10/01/25 03:38 | 10      |
| Methyl acetate                        | ND         |           | 25  | 13  | ug/L |   |          | 10/01/25 03:38 | 10      |
| Methyl tert-butyl ether               | ND         |           | 10  | 1.6 | ug/L |   |          | 10/01/25 03:38 | 10      |
| <b>Methylcyclohexane</b>              | <b>150</b> |           | 10  | 1.6 | ug/L |   |          | 10/01/25 03:38 | 10      |
| Methylene Chloride                    | ND         |           | 10  | 4.4 | ug/L |   |          | 10/01/25 03:38 | 10      |
| Styrene                               | ND         |           | 10  | 7.3 | ug/L |   |          | 10/01/25 03:38 | 10      |
| Tetrachloroethene                     | ND         |           | 10  | 3.6 | ug/L |   |          | 10/01/25 03:38 | 10      |
| <b>Toluene</b>                        | <b>6.4</b> | <b>J</b>  | 10  | 5.1 | ug/L |   |          | 10/01/25 03:38 | 10      |
| trans-1,2-Dichloroethene              | ND         |           | 10  | 9.0 | ug/L |   |          | 10/01/25 03:38 | 10      |
| trans-1,3-Dichloropropene             | ND         |           | 10  | 3.7 | ug/L |   |          | 10/01/25 03:38 | 10      |
| Trichloroethene                       | ND         |           | 10  | 4.6 | ug/L |   |          | 10/01/25 03:38 | 10      |
| Trichlorofluoromethane                | ND         |           | 10  | 8.8 | ug/L |   |          | 10/01/25 03:38 | 10      |
| Vinyl chloride                        | ND         |           | 10  | 9.0 | ug/L |   |          | 10/01/25 03:38 | 10      |
| <b>Xylenes, Total</b>                 | <b>23</b>  |           | 20  | 6.6 | ug/L |   |          | 10/01/25 03:38 | 10      |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW5S**

**Lab Sample ID: 480-232963-7**

**Date Collected: 09/24/25 09:50**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 124       | S1+       | 77 - 120 |          | 10/01/25 03:38 | 10      |
| 4-Bromofluorobenzene (Surr)  | 108       |           | 73 - 120 |          | 10/01/25 03:38 | 10      |
| Dibromofluoromethane (Surr)  | 114       |           | 75 - 123 |          | 10/01/25 03:38 | 10      |
| Toluene-d8 (Surr)            | 102       |           | 80 - 120 |          | 10/01/25 03:38 | 10      |

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

| Analyte                                                               | Result      | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------------------------------------------|-------------|-----------|-----|------|------|---|----------------|----------------|---------|
| 11-Chloroeicosfluoro-3-oxaundecan<br>e-1-sulfonic acid (11Cl-PF3OUdS) | ND          |           | 1.8 | 0.44 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:17 | 1       |
| 1H,1H,2H,2H-Perfluorodecane<br>sulfonic acid (8:2 FTS)                | ND          |           | 3.5 | 0.88 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:17 | 1       |
| 1H,1H,2H,2H-Perfluorohexane<br>sulfonic acid (4:2 FTS)                | ND          |           | 3.5 | 0.88 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:17 | 1       |
| 1H,1H,2H,2H-Perfluorooctane sulfonic<br>acid (6:2 FTS)                | ND          |           | 3.5 | 0.88 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:17 | 1       |
| 3-Perfluoroheptylpropanoic acid (7:3<br>FTCA)                         | ND          |           | 8.8 | 2.2  | ng/L |   | 10/03/25 13:46 | 10/06/25 06:17 | 1       |
| 3-Perfluoropentylpropanoic acid (5:3<br>FTCA)                         | ND          |           | 8.8 | 2.5  | ng/L |   | 10/03/25 13:46 | 10/06/25 06:17 | 1       |
| 3-Perfluoropropylpropanoic acid (3:3<br>FTCA)                         | ND          |           | 3.5 | 0.88 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:17 | 1       |
| 4,8-Dioxa-3H-perfluorononanoic acid<br>(ADONA)                        | ND          |           | 1.8 | 0.44 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:17 | 1       |
| 9-Chlorohexadecafluoro-3-oxanonan<br>e-1-sulfonic acid (9Cl-PF3ONS)   | ND          |           | 1.8 | 0.44 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:17 | 1       |
| Hexafluoropropylene Oxide Dimer<br>Acid (HFPO-DA)                     | ND          |           | 1.8 | 1.2  | ng/L |   | 10/03/25 13:46 | 10/06/25 06:17 | 1       |
| N-ethylperfluorooctane sulfonamide<br>(NEtFOSA)                       | ND          |           | 1.8 | 0.44 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:17 | 1       |
| N-ethylperfluorooctane<br>sulfonamidoethanol (NEtFOSE)                | ND          |           | 8.8 | 3.5  | ng/L |   | 10/03/25 13:46 | 10/06/25 06:17 | 1       |
| N-ethylperfluorooctanesulfonamidoac<br>etic acid (NEtFOSAA)           | ND          |           | 1.8 | 0.44 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:17 | 1       |
| N-methylperfluorooctane sulfonamide<br>(NMeFOSA)                      | ND          |           | 1.8 | 0.44 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:17 | 1       |
| N-methylperfluorooctane<br>sulfonamidoethanol (NMeFOSE)               | ND          |           | 8.8 | 2.2  | ng/L |   | 10/03/25 13:46 | 10/06/25 06:17 | 1       |
| N-methylperfluorooctanesulfonamidoa<br>cetic acid (NMeFOSAA)          | ND          |           | 1.8 | 0.44 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:17 | 1       |
| Nonafluoro-3,6-dioxaheptanoic acid<br>(NFDHA)                         | ND          |           | 1.8 | 0.44 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:17 | 1       |
| Perfluoro (2-ethoxyethane) sulfonic<br>acid (PFEESA)                  | ND          |           | 1.8 | 0.44 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:17 | 1       |
| Perfluoro-3-methoxypropanoic acid<br>(PFMPA)                          | ND          |           | 1.8 | 0.44 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:17 | 1       |
| Perfluoro-4-methoxybutanoic acid<br>(PFMBA)                           | ND          |           | 1.8 | 0.44 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:17 | 1       |
| <b>Perfluorobutanesulfonic acid<br/>(PFBS)</b>                        | <b>0.85</b> | <b>J</b>  | 1.8 | 0.44 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:17 | 1       |
| <b>Perfluorobutanoic acid (PFBA)</b>                                  | <b>9.1</b>  |           | 3.5 | 0.97 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:17 | 1       |
| Perfluorodecanesulfonic acid (PFDS)                                   | ND          |           | 1.8 | 0.44 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:17 | 1       |
| Perfluorodecanoic acid (PFDA)                                         | ND          |           | 1.8 | 0.44 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:17 | 1       |
| Perfluorododecanesulfonic acid<br>(PFDoS)                             | ND          |           | 1.8 | 0.53 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:17 | 1       |
| Perfluorododecanoic acid (PFDoA)                                      | ND          |           | 1.8 | 0.44 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:17 | 1       |

Euromins Buffalo

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW5S**

**Lab Sample ID: 480-232963-7**

**Date Collected: 09/24/25 09:50**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

**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)       | ND               |                  | 1.8           | 1.8  | ng/L |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| <b>Perfluoroheptanoic acid (PFHpA)</b>      | <b>2.6</b>       |                  | 1.8           | 0.70 | ng/L |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| <b>Perfluorohexanesulfonic acid (PFHxS)</b> | <b>1.4 J</b>     |                  | 1.8           | 0.70 | ng/L |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| <b>Perfluorohexanoic acid (PFHxA)</b>       | <b>5.0</b>       |                  | 1.8           | 0.44 | ng/L |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| Perfluorononanesulfonic acid (PFNS)         | ND               |                  | 1.8           | 0.44 | ng/L |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| Perfluorononanoic acid (PFNA)               | ND               |                  | 1.8           | 1.8  | ng/L |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| <b>Perfluorooctanesulfonamide (PFOSA)</b>   | <b>0.48 J</b>    |                  | 1.8           | 0.44 | ng/L |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| <b>Perfluorooctanesulfonic acid (PFOS)</b>  | <b>20</b>        |                  | 1.8           | 1.1  | ng/L |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| <b>Perfluorooctanoic acid (PFOA)</b>        | <b>14</b>        |                  | 1.8           | 0.79 | ng/L |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| Perfluoropentanesulfonic acid (PFPeS)       | ND               |                  | 1.8           | 0.44 | ng/L |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| <b>Perfluoropentanoic acid (PFPeA)</b>      | <b>8.1</b>       |                  | 1.8           | 0.53 | ng/L |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| Perfluorotetradecanoic acid (PFTeDA)        | ND               |                  | 1.8           | 0.44 | ng/L |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| Perfluorotridecanoic acid (PFTrDA)          | ND               |                  | 1.8           | 0.44 | ng/L |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| Perfluoroundecanoic acid (PFUnA)            | ND               |                  | 1.8           | 0.44 | ng/L |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| <i>Isotope Dilution</i>                     | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> |      |      |   | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
| 13C2 4:2 FTS                                | 219              | *5+              | 40 - 200      |      |      |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| 13C2 6:2 FTS                                | 190              |                  | 40 - 200      |      |      |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| 13C2 8:2 FTS                                | 125              |                  | 40 - 300      |      |      |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| 13C2 PFDoA                                  | 80.5             |                  | 10 - 130      |      |      |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| 13C2 PFTeDA                                 | 66.6             |                  | 10 - 130      |      |      |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| 13C3 HFPO-DA                                | 95.1             |                  | 40 - 130      |      |      |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| 13C3 PFBS                                   | 103              |                  | 40 - 135      |      |      |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| 13C3 PFHxS                                  | 96.3             |                  | 40 - 130      |      |      |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| 13C4 PFBA                                   | 103              |                  | 5 - 130       |      |      |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| 13C4 PFHpA                                  | 100              |                  | 40 - 130      |      |      |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| 13C5 PFHxA                                  | 97.9             |                  | 40 - 130      |      |      |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| 13C5 PFPeA                                  | 86.5             |                  | 40 - 130      |      |      |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| 13C6 PFDA                                   | 95.1             |                  | 40 - 130      |      |      |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| 13C7 PFUnA                                  | 83.1             |                  | 30 - 130      |      |      |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| 13C8 FOSA                                   | 93.6             |                  | 40 - 130      |      |      |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| 13C8 PFOA                                   | 98.2             |                  | 40 - 130      |      |      |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| 13C8 PFOS                                   | 94.5             |                  | 40 - 130      |      |      |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| 13C9 PFNA                                   | 99.3             |                  | 40 - 130      |      |      |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| d3-NMeFOSAA                                 | 89.9             |                  | 40 - 170      |      |      |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| d3-NMePFOSA                                 | 73.0             |                  | 10 - 130      |      |      |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| d5-NEtFOSAA                                 | 80.5             |                  | 25 - 135      |      |      |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| d5-NEtPFOSA                                 | 63.1             |                  | 10 - 130      |      |      |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| d7-N-MeFOSE-M                               | 51.8             |                  | 10 - 130      |      |      |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |
| d9-N-EtFOSE-M                               | 43.6             |                  | 10 - 130      |      |      |   | 10/03/25 13:46  | 10/06/25 06:17  | 1              |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW51**

**Lab Sample ID: 480-232963-8**

**Date Collected: 09/24/25 10:40**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

**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 |   |          | 10/01/25 04:01 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.0 | 0.21 | ug/L |   |          | 10/01/25 04:01 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.0 | 0.31 | ug/L |   |          | 10/01/25 04:01 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 1.0 | 0.23 | ug/L |   |          | 10/01/25 04:01 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 1.0 | 0.38 | ug/L |   |          | 10/01/25 04:01 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 1.0 | 0.29 | ug/L |   |          | 10/01/25 04:01 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.0 | 0.41 | ug/L |   |          | 10/01/25 04:01 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0 | 0.39 | ug/L |   |          | 10/01/25 04:01 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | 0.73 | ug/L |   |          | 10/01/25 04:01 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | 0.79 | ug/L |   |          | 10/01/25 04:01 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 1.0 | 0.21 | ug/L |   |          | 10/01/25 04:01 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | 0.72 | ug/L |   |          | 10/01/25 04:01 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | 0.78 | ug/L |   |          | 10/01/25 04:01 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | 0.84 | ug/L |   |          | 10/01/25 04:01 | 1       |
| 2-Butanone (MEK)                      | ND     |           | 10  | 1.3  | ug/L |   |          | 10/01/25 04:01 | 1       |
| 2-Hexanone                            | ND     |           | 5.0 | 1.2  | ug/L |   |          | 10/01/25 04:01 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND     |           | 5.0 | 2.1  | ug/L |   |          | 10/01/25 04:01 | 1       |
| Acetone                               | ND     |           | 10  | 3.0  | ug/L |   |          | 10/01/25 04:01 | 1       |
| Benzene                               | ND     |           | 1.0 | 0.41 | ug/L |   |          | 10/01/25 04:01 | 1       |
| Bromodichloromethane                  | ND     |           | 1.0 | 0.39 | ug/L |   |          | 10/01/25 04:01 | 1       |
| Bromoform                             | ND     |           | 1.0 | 0.26 | ug/L |   |          | 10/01/25 04:01 | 1       |
| Bromomethane                          | ND     |           | 1.0 | 0.69 | ug/L |   |          | 10/01/25 04:01 | 1       |
| Carbon disulfide                      | ND     |           | 1.0 | 0.19 | ug/L |   |          | 10/01/25 04:01 | 1       |
| Carbon tetrachloride                  | ND     |           | 1.0 | 0.27 | ug/L |   |          | 10/01/25 04:01 | 1       |
| Chlorobenzene                         | ND     |           | 1.0 | 0.75 | ug/L |   |          | 10/01/25 04:01 | 1       |
| Chloroethane                          | ND     |           | 1.0 | 0.32 | ug/L |   |          | 10/01/25 04:01 | 1       |
| Chloroform                            | ND     |           | 1.0 | 0.34 | ug/L |   |          | 10/01/25 04:01 | 1       |
| Chloromethane                         | ND     |           | 1.0 | 0.35 | ug/L |   |          | 10/01/25 04:01 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 1.0 | 0.81 | ug/L |   |          | 10/01/25 04:01 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 1.0 | 0.36 | ug/L |   |          | 10/01/25 04:01 | 1       |
| Cyclohexane                           | ND     |           | 1.0 | 0.18 | ug/L |   |          | 10/01/25 04:01 | 1       |
| Dibromochloromethane                  | ND     |           | 1.0 | 0.32 | ug/L |   |          | 10/01/25 04:01 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0 | 0.68 | ug/L |   |          | 10/01/25 04:01 | 1       |
| Ethylbenzene                          | ND     |           | 1.0 | 0.74 | ug/L |   |          | 10/01/25 04:01 | 1       |
| Isopropylbenzene                      | ND     |           | 1.0 | 0.79 | ug/L |   |          | 10/01/25 04:01 | 1       |
| Methyl acetate                        | ND     |           | 2.5 | 1.3  | ug/L |   |          | 10/01/25 04:01 | 1       |
| Methyl tert-butyl ether               | ND     |           | 1.0 | 0.16 | ug/L |   |          | 10/01/25 04:01 | 1       |
| Methylcyclohexane                     | ND     |           | 1.0 | 0.16 | ug/L |   |          | 10/01/25 04:01 | 1       |
| Methylene Chloride                    | ND     |           | 1.0 | 0.44 | ug/L |   |          | 10/01/25 04:01 | 1       |
| Styrene                               | ND     |           | 1.0 | 0.73 | ug/L |   |          | 10/01/25 04:01 | 1       |
| Tetrachloroethene                     | ND     |           | 1.0 | 0.36 | ug/L |   |          | 10/01/25 04:01 | 1       |
| Toluene                               | ND     |           | 1.0 | 0.51 | ug/L |   |          | 10/01/25 04:01 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.0 | 0.90 | ug/L |   |          | 10/01/25 04:01 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 1.0 | 0.37 | ug/L |   |          | 10/01/25 04:01 | 1       |
| Trichloroethene                       | ND     |           | 1.0 | 0.46 | ug/L |   |          | 10/01/25 04:01 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.0 | 0.88 | ug/L |   |          | 10/01/25 04:01 | 1       |
| Vinyl chloride                        | ND     |           | 1.0 | 0.90 | ug/L |   |          | 10/01/25 04:01 | 1       |
| Xylenes, Total                        | ND     |           | 2.0 | 0.66 | ug/L |   |          | 10/01/25 04:01 | 1       |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW5I**  
**Date Collected: 09/24/25 10:40**  
**Date Received: 09/26/25 10:00**

**Lab Sample ID: 480-232963-8**  
**Matrix: Water**

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 110       |           | 77 - 120 |          | 10/01/25 04:01 | 1       |
| 4-Bromofluorobenzene (Surr)  | 103       |           | 73 - 120 |          | 10/01/25 04:01 | 1       |
| Dibromofluoromethane (Surr)  | 109       |           | 75 - 123 |          | 10/01/25 04:01 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 10/01/25 04:01 | 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-Chloroeicosfluoro-3-oxaundecan<br>e-1-sulfonic acid (11Cl-PF3OUdS) | ND           |           | 1.6 | 0.41 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| 1H,1H,2H,2H-Perfluorodecane<br>sulfonic acid (8:2 FTS)                | ND           |           | 3.3 | 0.82 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| 1H,1H,2H,2H-Perfluorohexane<br>sulfonic acid (4:2 FTS)                | ND           |           | 3.3 | 0.82 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| <b>1H,1H,2H,2H-Perfluorooctane<br/>sulfonic acid (6:2 FTS)</b>        | <b>39</b>    |           | 3.3 | 0.82 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| 3-Perfluoroheptylpropanoic acid (7:3<br>FTCA)                         | ND           |           | 8.2 | 2.1  | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| 3-Perfluoropentylpropanoic acid (5:3<br>FTCA)                         | ND           |           | 8.2 | 2.3  | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| 3-Perfluoropropylpropanoic acid (3:3<br>FTCA)                         | ND           |           | 3.3 | 0.82 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| 4,8-Dioxa-3H-perfluorononanoic acid<br>(ADONA)                        | ND           |           | 1.6 | 0.41 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| 9-Chlorohexadecafluoro-3-oxanonan<br>e-1-sulfonic acid (9Cl-PF3ONS)   | ND           |           | 1.6 | 0.41 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| Hexafluoropropylene Oxide Dimer<br>Acid (HFPO-DA)                     | ND           |           | 1.6 | 1.1  | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| N-ethylperfluorooctane sulfonamide<br>(NEtFOSA)                       | ND           |           | 1.6 | 0.41 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| N-ethylperfluorooctane<br>sulfonamidoethanol (NEtFOSE)                | ND           |           | 8.2 | 3.3  | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| N-ethylperfluorooctanesulfonamidoac<br>etic acid (NEtFOSAA)           | ND           |           | 1.6 | 0.41 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| N-methylperfluorooctane sulfonamide<br>(NMeFOSA)                      | ND           |           | 1.6 | 0.41 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| N-methylperfluorooctane<br>sulfonamidoethanol (NMeFOSE)               | ND           |           | 8.2 | 2.1  | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| N-methylperfluorooctanesulfonamidoa<br>cetic acid (NMeFOSAA)          | ND           |           | 1.6 | 0.41 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| Nonafluoro-3,6-dioxaheptanoic acid<br>(NFDHA)                         | ND           |           | 1.6 | 0.41 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| Perfluoro (2-ethoxyethane) sulfonic<br>acid (PFEESA)                  | ND           |           | 1.6 | 0.41 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| Perfluoro-3-methoxypropanoic acid<br>(PFMPA)                          | ND           |           | 1.6 | 0.41 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| Perfluoro-4-methoxybutanoic acid<br>(PFMBA)                           | ND           |           | 1.6 | 0.41 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| Perfluorobutanesulfonic acid (PFBS)                                   | ND           |           | 1.6 | 0.41 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| <b>Perfluorobutanoic acid (PFBA)</b>                                  | <b>1.7 J</b> |           | 3.3 | 0.90 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| Perfluorodecanesulfonic acid (PFDS)                                   | ND           |           | 1.6 | 0.41 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| Perfluorodecanoic acid (PFDA)                                         | ND           |           | 1.6 | 0.41 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| Perfluorododecanesulfonic acid<br>(PFDoS)                             | ND           |           | 1.6 | 0.49 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| Perfluorododecanoic acid (PFDoA)                                      | ND           |           | 1.6 | 0.41 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| Perfluoroheptanesulfonic acid<br>(PFHpS)                              | ND           |           | 1.6 | 0.41 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |

Eurofins Buffalo

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW5I**  
**Date Collected: 09/24/25 10:40**  
**Date Received: 09/26/25 10:00**

**Lab Sample ID: 480-232963-8**  
**Matrix: Water**

**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)       | 1.5       | J         | 1.6      | 0.66 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| Perfluorohexanesulfonic acid (PFHxS)  | 1.1       | J         | 1.6      | 0.66 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| Perfluorohexanoic acid (PFHxA)        | 4.4       |           | 1.6      | 0.41 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| Perfluorononanesulfonic acid (PFNS)   | ND        |           | 1.6      | 0.41 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| Perfluorononanoic acid (PFNA)         | ND        |           | 1.6      | 0.41 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| Perfluorooctanesulfonamide (PFOSA)    | ND        |           | 1.6      | 0.41 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| Perfluorooctanesulfonic acid (PFOS)   | ND        |           | 1.6      | 1.1  | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| Perfluorooctanoic acid (PFOA)         | ND        |           | 1.6      | 0.74 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| Perfluoropentanesulfonic acid (PFPeS) | ND        |           | 1.6      | 0.41 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| Perfluoropentanoic acid (PFPeA)       | 4.9       |           | 1.6      | 0.49 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| Perfluorotetradecanoic acid (PFTeDA)  | ND        |           | 1.6      | 0.41 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| Perfluorotridecanoic acid (PFTrDA)    | ND        |           | 1.6      | 0.41 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| Perfluoroundecanoic acid (PFUnA)      | ND        |           | 1.6      | 0.41 | ng/L |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| Isotope Dilution                      | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 13C2 4:2 FTS                          | 111       |           | 40 - 200 |      |      |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| 13C2 6:2 FTS                          | 92.6      |           | 40 - 200 |      |      |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| 13C2 8:2 FTS                          | 81.3      |           | 40 - 300 |      |      |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| 13C2 PFDoA                            | 87.4      |           | 10 - 130 |      |      |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| 13C2 PFTeDA                           | 66.0      |           | 10 - 130 |      |      |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| 13C3 HFPO-DA                          | 108       |           | 40 - 130 |      |      |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| 13C3 PFBS                             | 103       |           | 40 - 135 |      |      |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| 13C3 PFHxS                            | 96.6      |           | 40 - 130 |      |      |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| 13C4 PFBA                             | 107       |           | 5 - 130  |      |      |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| 13C4 PFHpA                            | 102       |           | 40 - 130 |      |      |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| 13C5 PFHxA                            | 96.2      |           | 40 - 130 |      |      |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| 13C5 PFPeA                            | 100       |           | 40 - 130 |      |      |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| 13C6 PFDA                             | 104       |           | 40 - 130 |      |      |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| 13C7 PFUnA                            | 90.2      |           | 30 - 130 |      |      |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| 13C8 FOSA                             | 87.5      |           | 40 - 130 |      |      |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| 13C8 PFOA                             | 101       |           | 40 - 130 |      |      |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| 13C8 PFOS                             | 94.0      |           | 40 - 130 |      |      |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| 13C9 PFNA                             | 95.8      |           | 40 - 130 |      |      |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| d3-NMeFOSAA                           | 81.4      |           | 40 - 170 |      |      |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| d3-NMePFOSA                           | 68.6      |           | 10 - 130 |      |      |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| d5-NEtFOSAA                           | 73.0      |           | 25 - 135 |      |      |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| d5-NEtPFOSA                           | 63.1      |           | 10 - 130 |      |      |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| d7-N-MeFOSE-M                         | 21.5      |           | 10 - 130 |      |      |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |
| d9-N-EtFOSE-M                         | 14.5      |           | 10 - 130 |      |      |   | 10/03/25 13:46 | 10/06/25 06:31 | 1       |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW6**

**Lab Sample ID: 480-232963-9**

**Date Collected: 09/23/25 14:20**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

**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 |   |          | 10/01/25 04:24 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.0 | 0.21 | ug/L |   |          | 10/01/25 04:24 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.0 | 0.31 | ug/L |   |          | 10/01/25 04:24 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 1.0 | 0.23 | ug/L |   |          | 10/01/25 04:24 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 1.0 | 0.38 | ug/L |   |          | 10/01/25 04:24 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 1.0 | 0.29 | ug/L |   |          | 10/01/25 04:24 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.0 | 0.41 | ug/L |   |          | 10/01/25 04:24 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0 | 0.39 | ug/L |   |          | 10/01/25 04:24 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | 0.73 | ug/L |   |          | 10/01/25 04:24 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | 0.79 | ug/L |   |          | 10/01/25 04:24 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 1.0 | 0.21 | ug/L |   |          | 10/01/25 04:24 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | 0.72 | ug/L |   |          | 10/01/25 04:24 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | 0.78 | ug/L |   |          | 10/01/25 04:24 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | 0.84 | ug/L |   |          | 10/01/25 04:24 | 1       |
| 2-Butanone (MEK)                      | ND     |           | 10  | 1.3  | ug/L |   |          | 10/01/25 04:24 | 1       |
| 2-Hexanone                            | ND     |           | 5.0 | 1.2  | ug/L |   |          | 10/01/25 04:24 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND     |           | 5.0 | 2.1  | ug/L |   |          | 10/01/25 04:24 | 1       |
| Acetone                               | ND     |           | 10  | 3.0  | ug/L |   |          | 10/01/25 04:24 | 1       |
| Benzene                               | ND     |           | 1.0 | 0.41 | ug/L |   |          | 10/01/25 04:24 | 1       |
| Bromodichloromethane                  | ND     |           | 1.0 | 0.39 | ug/L |   |          | 10/01/25 04:24 | 1       |
| Bromoform                             | ND     |           | 1.0 | 0.26 | ug/L |   |          | 10/01/25 04:24 | 1       |
| Bromomethane                          | ND     |           | 1.0 | 0.69 | ug/L |   |          | 10/01/25 04:24 | 1       |
| Carbon disulfide                      | ND     |           | 1.0 | 0.19 | ug/L |   |          | 10/01/25 04:24 | 1       |
| Carbon tetrachloride                  | ND     |           | 1.0 | 0.27 | ug/L |   |          | 10/01/25 04:24 | 1       |
| Chlorobenzene                         | ND     |           | 1.0 | 0.75 | ug/L |   |          | 10/01/25 04:24 | 1       |
| Chloroethane                          | ND     |           | 1.0 | 0.32 | ug/L |   |          | 10/01/25 04:24 | 1       |
| Chloroform                            | ND     |           | 1.0 | 0.34 | ug/L |   |          | 10/01/25 04:24 | 1       |
| Chloromethane                         | ND     |           | 1.0 | 0.35 | ug/L |   |          | 10/01/25 04:24 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 1.0 | 0.81 | ug/L |   |          | 10/01/25 04:24 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 1.0 | 0.36 | ug/L |   |          | 10/01/25 04:24 | 1       |
| Cyclohexane                           | ND     |           | 1.0 | 0.18 | ug/L |   |          | 10/01/25 04:24 | 1       |
| Dibromochloromethane                  | ND     |           | 1.0 | 0.32 | ug/L |   |          | 10/01/25 04:24 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0 | 0.68 | ug/L |   |          | 10/01/25 04:24 | 1       |
| Ethylbenzene                          | ND     |           | 1.0 | 0.74 | ug/L |   |          | 10/01/25 04:24 | 1       |
| Isopropylbenzene                      | ND     |           | 1.0 | 0.79 | ug/L |   |          | 10/01/25 04:24 | 1       |
| Methyl acetate                        | ND     |           | 2.5 | 1.3  | ug/L |   |          | 10/01/25 04:24 | 1       |
| Methyl tert-butyl ether               | ND     |           | 1.0 | 0.16 | ug/L |   |          | 10/01/25 04:24 | 1       |
| Methylcyclohexane                     | ND     |           | 1.0 | 0.16 | ug/L |   |          | 10/01/25 04:24 | 1       |
| Methylene Chloride                    | ND     |           | 1.0 | 0.44 | ug/L |   |          | 10/01/25 04:24 | 1       |
| Styrene                               | ND     |           | 1.0 | 0.73 | ug/L |   |          | 10/01/25 04:24 | 1       |
| Tetrachloroethene                     | ND     |           | 1.0 | 0.36 | ug/L |   |          | 10/01/25 04:24 | 1       |
| Toluene                               | ND     |           | 1.0 | 0.51 | ug/L |   |          | 10/01/25 04:24 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.0 | 0.90 | ug/L |   |          | 10/01/25 04:24 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 1.0 | 0.37 | ug/L |   |          | 10/01/25 04:24 | 1       |
| Trichloroethene                       | ND     |           | 1.0 | 0.46 | ug/L |   |          | 10/01/25 04:24 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.0 | 0.88 | ug/L |   |          | 10/01/25 04:24 | 1       |
| Vinyl chloride                        | ND     |           | 1.0 | 0.90 | ug/L |   |          | 10/01/25 04:24 | 1       |
| Xylenes, Total                        | ND     |           | 2.0 | 0.66 | ug/L |   |          | 10/01/25 04:24 | 1       |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW6**  
**Date Collected: 09/23/25 14:20**  
**Date Received: 09/26/25 10:00**

**Lab Sample ID: 480-232963-9**  
**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) | 109              |                  | 77 - 120      |                 | 10/01/25 04:24  | 1              |
| 4-Bromofluorobenzene (Surr)  | 104              |                  | 73 - 120      |                 | 10/01/25 04:24  | 1              |
| Dibromofluoromethane (Surr)  | 109              |                  | 75 - 123      |                 | 10/01/25 04:24  | 1              |
| Toluene-d8 (Surr)            | 103              |                  | 80 - 120      |                 | 10/01/25 04:24  | 1              |

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# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW7**

**Lab Sample ID: 480-232963-10**

**Date Collected: 09/23/25 15:35**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

**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 |   |          | 10/01/25 04:47 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND        |           | 1.0 | 0.21 | ug/L |   |          | 10/01/25 04:47 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND        |           | 1.0 | 0.31 | ug/L |   |          | 10/01/25 04:47 | 1       |
| 1,1,2-Trichloroethane                 | ND        |           | 1.0 | 0.23 | ug/L |   |          | 10/01/25 04:47 | 1       |
| 1,1-Dichloroethane                    | ND        |           | 1.0 | 0.38 | ug/L |   |          | 10/01/25 04:47 | 1       |
| 1,1-Dichloroethene                    | ND        |           | 1.0 | 0.29 | ug/L |   |          | 10/01/25 04:47 | 1       |
| 1,2,4-Trichlorobenzene                | ND        |           | 1.0 | 0.41 | ug/L |   |          | 10/01/25 04:47 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND        |           | 1.0 | 0.39 | ug/L |   |          | 10/01/25 04:47 | 1       |
| 1,2-Dibromoethane                     | ND        |           | 1.0 | 0.73 | ug/L |   |          | 10/01/25 04:47 | 1       |
| 1,2-Dichlorobenzene                   | ND        |           | 1.0 | 0.79 | ug/L |   |          | 10/01/25 04:47 | 1       |
| 1,2-Dichloroethane                    | ND        |           | 1.0 | 0.21 | ug/L |   |          | 10/01/25 04:47 | 1       |
| 1,2-Dichloropropane                   | ND        |           | 1.0 | 0.72 | ug/L |   |          | 10/01/25 04:47 | 1       |
| 1,3-Dichlorobenzene                   | ND        |           | 1.0 | 0.78 | ug/L |   |          | 10/01/25 04:47 | 1       |
| 1,4-Dichlorobenzene                   | ND        |           | 1.0 | 0.84 | ug/L |   |          | 10/01/25 04:47 | 1       |
| 2-Butanone (MEK)                      | ND        |           | 10  | 1.3  | ug/L |   |          | 10/01/25 04:47 | 1       |
| 2-Hexanone                            | ND        |           | 5.0 | 1.2  | ug/L |   |          | 10/01/25 04:47 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND        |           | 5.0 | 2.1  | ug/L |   |          | 10/01/25 04:47 | 1       |
| Acetone                               | ND        |           | 10  | 3.0  | ug/L |   |          | 10/01/25 04:47 | 1       |
| Benzene                               | ND        |           | 1.0 | 0.41 | ug/L |   |          | 10/01/25 04:47 | 1       |
| Bromodichloromethane                  | ND        |           | 1.0 | 0.39 | ug/L |   |          | 10/01/25 04:47 | 1       |
| Bromoform                             | ND        |           | 1.0 | 0.26 | ug/L |   |          | 10/01/25 04:47 | 1       |
| Bromomethane                          | ND        |           | 1.0 | 0.69 | ug/L |   |          | 10/01/25 04:47 | 1       |
| Carbon disulfide                      | ND        |           | 1.0 | 0.19 | ug/L |   |          | 10/01/25 04:47 | 1       |
| Carbon tetrachloride                  | ND        |           | 1.0 | 0.27 | ug/L |   |          | 10/01/25 04:47 | 1       |
| Chlorobenzene                         | ND        |           | 1.0 | 0.75 | ug/L |   |          | 10/01/25 04:47 | 1       |
| Chloroethane                          | ND        |           | 1.0 | 0.32 | ug/L |   |          | 10/01/25 04:47 | 1       |
| Chloroform                            | ND        |           | 1.0 | 0.34 | ug/L |   |          | 10/01/25 04:47 | 1       |
| Chloromethane                         | ND        |           | 1.0 | 0.35 | ug/L |   |          | 10/01/25 04:47 | 1       |
| cis-1,2-Dichloroethene                | ND        |           | 1.0 | 0.81 | ug/L |   |          | 10/01/25 04:47 | 1       |
| cis-1,3-Dichloropropene               | ND        |           | 1.0 | 0.36 | ug/L |   |          | 10/01/25 04:47 | 1       |
| Cyclohexane                           | ND        |           | 1.0 | 0.18 | ug/L |   |          | 10/01/25 04:47 | 1       |
| Dibromochloromethane                  | ND        |           | 1.0 | 0.32 | ug/L |   |          | 10/01/25 04:47 | 1       |
| Dichlorodifluoromethane               | ND        |           | 1.0 | 0.68 | ug/L |   |          | 10/01/25 04:47 | 1       |
| Ethylbenzene                          | ND        |           | 1.0 | 0.74 | ug/L |   |          | 10/01/25 04:47 | 1       |
| Isopropylbenzene                      | ND        |           | 1.0 | 0.79 | ug/L |   |          | 10/01/25 04:47 | 1       |
| Methyl acetate                        | ND        |           | 2.5 | 1.3  | ug/L |   |          | 10/01/25 04:47 | 1       |
| Methyl tert-butyl ether               | ND        |           | 1.0 | 0.16 | ug/L |   |          | 10/01/25 04:47 | 1       |
| Methylcyclohexane                     | ND        |           | 1.0 | 0.16 | ug/L |   |          | 10/01/25 04:47 | 1       |
| Methylene Chloride                    | ND        |           | 1.0 | 0.44 | ug/L |   |          | 10/01/25 04:47 | 1       |
| Styrene                               | ND        |           | 1.0 | 0.73 | ug/L |   |          | 10/01/25 04:47 | 1       |
| Tetrachloroethene                     | ND        |           | 1.0 | 0.36 | ug/L |   |          | 10/01/25 04:47 | 1       |
| Toluene                               | ND        |           | 1.0 | 0.51 | ug/L |   |          | 10/01/25 04:47 | 1       |
| trans-1,2-Dichloroethene              | ND        |           | 1.0 | 0.90 | ug/L |   |          | 10/01/25 04:47 | 1       |
| trans-1,3-Dichloropropene             | ND        |           | 1.0 | 0.37 | ug/L |   |          | 10/01/25 04:47 | 1       |
| Trichloroethene                       | ND        |           | 1.0 | 0.46 | ug/L |   |          | 10/01/25 04:47 | 1       |
| Trichlorofluoromethane                | ND        |           | 1.0 | 0.88 | ug/L |   |          | 10/01/25 04:47 | 1       |
| <b>Vinyl chloride</b>                 | <b>13</b> |           | 1.0 | 0.90 | ug/L |   |          | 10/01/25 04:47 | 1       |
| Xylenes, Total                        | ND        |           | 2.0 | 0.66 | ug/L |   |          | 10/01/25 04:47 | 1       |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW7**

**Lab Sample ID: 480-232963-10**

**Date Collected: 09/23/25 15:35**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

| <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) | 109              |                  | 77 - 120      |                 | 10/01/25 04:47  | 1              |
| 4-Bromofluorobenzene (Surr)  | 103              |                  | 73 - 120      |                 | 10/01/25 04:47  | 1              |
| Dibromofluoromethane (Surr)  | 108              |                  | 75 - 123      |                 | 10/01/25 04:47  | 1              |
| Toluene-d8 (Surr)            | 100              |                  | 80 - 120      |                 | 10/01/25 04:47  | 1              |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW8**

**Lab Sample ID: 480-232963-11**

**Date Collected: 09/24/25 10:30**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

**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 |   |          | 10/01/25 05:10 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND           |           | 1.0 | 0.21 | ug/L |   |          | 10/01/25 05:10 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND           |           | 1.0 | 0.31 | ug/L |   |          | 10/01/25 05:10 | 1       |
| 1,1,2-Trichloroethane                 | ND           |           | 1.0 | 0.23 | ug/L |   |          | 10/01/25 05:10 | 1       |
| 1,1-Dichloroethane                    | ND           |           | 1.0 | 0.38 | ug/L |   |          | 10/01/25 05:10 | 1       |
| 1,1-Dichloroethene                    | ND           |           | 1.0 | 0.29 | ug/L |   |          | 10/01/25 05:10 | 1       |
| 1,2,4-Trichlorobenzene                | ND           |           | 1.0 | 0.41 | ug/L |   |          | 10/01/25 05:10 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND           |           | 1.0 | 0.39 | ug/L |   |          | 10/01/25 05:10 | 1       |
| 1,2-Dibromoethane                     | ND           |           | 1.0 | 0.73 | ug/L |   |          | 10/01/25 05:10 | 1       |
| 1,2-Dichlorobenzene                   | ND           |           | 1.0 | 0.79 | ug/L |   |          | 10/01/25 05:10 | 1       |
| 1,2-Dichloroethane                    | ND           |           | 1.0 | 0.21 | ug/L |   |          | 10/01/25 05:10 | 1       |
| 1,2-Dichloropropane                   | ND           |           | 1.0 | 0.72 | ug/L |   |          | 10/01/25 05:10 | 1       |
| 1,3-Dichlorobenzene                   | ND           |           | 1.0 | 0.78 | ug/L |   |          | 10/01/25 05:10 | 1       |
| 1,4-Dichlorobenzene                   | ND           |           | 1.0 | 0.84 | ug/L |   |          | 10/01/25 05:10 | 1       |
| 2-Butanone (MEK)                      | ND           |           | 10  | 1.3  | ug/L |   |          | 10/01/25 05:10 | 1       |
| 2-Hexanone                            | ND           |           | 5.0 | 1.2  | ug/L |   |          | 10/01/25 05:10 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND           |           | 5.0 | 2.1  | ug/L |   |          | 10/01/25 05:10 | 1       |
| <b>Acetone</b>                        | <b>3.5 J</b> |           | 10  | 3.0  | ug/L |   |          | 10/01/25 05:10 | 1       |
| Benzene                               | ND           |           | 1.0 | 0.41 | ug/L |   |          | 10/01/25 05:10 | 1       |
| Bromodichloromethane                  | ND           |           | 1.0 | 0.39 | ug/L |   |          | 10/01/25 05:10 | 1       |
| Bromoform                             | ND           |           | 1.0 | 0.26 | ug/L |   |          | 10/01/25 05:10 | 1       |
| Bromomethane                          | ND           |           | 1.0 | 0.69 | ug/L |   |          | 10/01/25 05:10 | 1       |
| Carbon disulfide                      | ND           |           | 1.0 | 0.19 | ug/L |   |          | 10/01/25 05:10 | 1       |
| Carbon tetrachloride                  | ND           |           | 1.0 | 0.27 | ug/L |   |          | 10/01/25 05:10 | 1       |
| Chlorobenzene                         | ND           |           | 1.0 | 0.75 | ug/L |   |          | 10/01/25 05:10 | 1       |
| Chloroethane                          | ND           |           | 1.0 | 0.32 | ug/L |   |          | 10/01/25 05:10 | 1       |
| Chloroform                            | ND           |           | 1.0 | 0.34 | ug/L |   |          | 10/01/25 05:10 | 1       |
| Chloromethane                         | ND           |           | 1.0 | 0.35 | ug/L |   |          | 10/01/25 05:10 | 1       |
| cis-1,2-Dichloroethene                | ND           |           | 1.0 | 0.81 | ug/L |   |          | 10/01/25 05:10 | 1       |
| cis-1,3-Dichloropropene               | ND           |           | 1.0 | 0.36 | ug/L |   |          | 10/01/25 05:10 | 1       |
| Cyclohexane                           | ND           |           | 1.0 | 0.18 | ug/L |   |          | 10/01/25 05:10 | 1       |
| Dibromochloromethane                  | ND           |           | 1.0 | 0.32 | ug/L |   |          | 10/01/25 05:10 | 1       |
| Dichlorodifluoromethane               | ND           |           | 1.0 | 0.68 | ug/L |   |          | 10/01/25 05:10 | 1       |
| Ethylbenzene                          | ND           |           | 1.0 | 0.74 | ug/L |   |          | 10/01/25 05:10 | 1       |
| Isopropylbenzene                      | ND           |           | 1.0 | 0.79 | ug/L |   |          | 10/01/25 05:10 | 1       |
| Methyl acetate                        | ND           |           | 2.5 | 1.3  | ug/L |   |          | 10/01/25 05:10 | 1       |
| Methyl tert-butyl ether               | ND           |           | 1.0 | 0.16 | ug/L |   |          | 10/01/25 05:10 | 1       |
| Methylcyclohexane                     | ND           |           | 1.0 | 0.16 | ug/L |   |          | 10/01/25 05:10 | 1       |
| Methylene Chloride                    | ND           |           | 1.0 | 0.44 | ug/L |   |          | 10/01/25 05:10 | 1       |
| Styrene                               | ND           |           | 1.0 | 0.73 | ug/L |   |          | 10/01/25 05:10 | 1       |
| Tetrachloroethene                     | ND           |           | 1.0 | 0.36 | ug/L |   |          | 10/01/25 05:10 | 1       |
| Toluene                               | ND           |           | 1.0 | 0.51 | ug/L |   |          | 10/01/25 05:10 | 1       |
| trans-1,2-Dichloroethene              | ND           |           | 1.0 | 0.90 | ug/L |   |          | 10/01/25 05:10 | 1       |
| trans-1,3-Dichloropropene             | ND           |           | 1.0 | 0.37 | ug/L |   |          | 10/01/25 05:10 | 1       |
| Trichloroethene                       | ND           |           | 1.0 | 0.46 | ug/L |   |          | 10/01/25 05:10 | 1       |
| Trichlorofluoromethane                | ND           |           | 1.0 | 0.88 | ug/L |   |          | 10/01/25 05:10 | 1       |
| Vinyl chloride                        | ND           |           | 1.0 | 0.90 | ug/L |   |          | 10/01/25 05:10 | 1       |
| Xylenes, Total                        | ND           |           | 2.0 | 0.66 | ug/L |   |          | 10/01/25 05:10 | 1       |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW8**  
**Date Collected: 09/24/25 10:30**  
**Date Received: 09/26/25 10:00**

**Lab Sample ID: 480-232963-11**  
**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) | 112              |                  | 77 - 120      |                 | 10/01/25 05:10  | 1              |
| 4-Bromofluorobenzene (Surr)  | 106              |                  | 73 - 120      |                 | 10/01/25 05:10  | 1              |
| Dibromofluoromethane (Surr)  | 105              |                  | 75 - 123      |                 | 10/01/25 05:10  | 1              |
| Toluene-d8 (Surr)            | 103              |                  | 80 - 120      |                 | 10/01/25 05:10  | 1              |

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# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW11**

**Lab Sample ID: 480-232963-12**

**Date Collected: 09/24/25 16:05**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

**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 |   |          | 10/01/25 05:33 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.0 | 0.21 | ug/L |   |          | 10/01/25 05:33 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.0 | 0.31 | ug/L |   |          | 10/01/25 05:33 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 1.0 | 0.23 | ug/L |   |          | 10/01/25 05:33 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 1.0 | 0.38 | ug/L |   |          | 10/01/25 05:33 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 1.0 | 0.29 | ug/L |   |          | 10/01/25 05:33 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.0 | 0.41 | ug/L |   |          | 10/01/25 05:33 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0 | 0.39 | ug/L |   |          | 10/01/25 05:33 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | 0.73 | ug/L |   |          | 10/01/25 05:33 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | 0.79 | ug/L |   |          | 10/01/25 05:33 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 1.0 | 0.21 | ug/L |   |          | 10/01/25 05:33 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | 0.72 | ug/L |   |          | 10/01/25 05:33 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | 0.78 | ug/L |   |          | 10/01/25 05:33 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | 0.84 | ug/L |   |          | 10/01/25 05:33 | 1       |
| 2-Butanone (MEK)                      | ND     |           | 10  | 1.3  | ug/L |   |          | 10/01/25 05:33 | 1       |
| 2-Hexanone                            | ND     |           | 5.0 | 1.2  | ug/L |   |          | 10/01/25 05:33 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND     |           | 5.0 | 2.1  | ug/L |   |          | 10/01/25 05:33 | 1       |
| Acetone                               | ND     |           | 10  | 3.0  | ug/L |   |          | 10/01/25 05:33 | 1       |
| Benzene                               | ND     |           | 1.0 | 0.41 | ug/L |   |          | 10/01/25 05:33 | 1       |
| Bromodichloromethane                  | ND     |           | 1.0 | 0.39 | ug/L |   |          | 10/01/25 05:33 | 1       |
| Bromoform                             | ND     |           | 1.0 | 0.26 | ug/L |   |          | 10/01/25 05:33 | 1       |
| Bromomethane                          | ND     |           | 1.0 | 0.69 | ug/L |   |          | 10/01/25 05:33 | 1       |
| Carbon disulfide                      | ND     |           | 1.0 | 0.19 | ug/L |   |          | 10/01/25 05:33 | 1       |
| Carbon tetrachloride                  | ND     |           | 1.0 | 0.27 | ug/L |   |          | 10/01/25 05:33 | 1       |
| Chlorobenzene                         | ND     |           | 1.0 | 0.75 | ug/L |   |          | 10/01/25 05:33 | 1       |
| Chloroethane                          | ND     |           | 1.0 | 0.32 | ug/L |   |          | 10/01/25 05:33 | 1       |
| Chloroform                            | ND     |           | 1.0 | 0.34 | ug/L |   |          | 10/01/25 05:33 | 1       |
| Chloromethane                         | ND     |           | 1.0 | 0.35 | ug/L |   |          | 10/01/25 05:33 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 1.0 | 0.81 | ug/L |   |          | 10/01/25 05:33 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 1.0 | 0.36 | ug/L |   |          | 10/01/25 05:33 | 1       |
| Cyclohexane                           | ND     |           | 1.0 | 0.18 | ug/L |   |          | 10/01/25 05:33 | 1       |
| Dibromochloromethane                  | ND     |           | 1.0 | 0.32 | ug/L |   |          | 10/01/25 05:33 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0 | 0.68 | ug/L |   |          | 10/01/25 05:33 | 1       |
| Ethylbenzene                          | ND     |           | 1.0 | 0.74 | ug/L |   |          | 10/01/25 05:33 | 1       |
| Isopropylbenzene                      | ND     |           | 1.0 | 0.79 | ug/L |   |          | 10/01/25 05:33 | 1       |
| Methyl acetate                        | ND     |           | 2.5 | 1.3  | ug/L |   |          | 10/01/25 05:33 | 1       |
| Methyl tert-butyl ether               | ND     |           | 1.0 | 0.16 | ug/L |   |          | 10/01/25 05:33 | 1       |
| Methylcyclohexane                     | ND     |           | 1.0 | 0.16 | ug/L |   |          | 10/01/25 05:33 | 1       |
| Methylene Chloride                    | ND     |           | 1.0 | 0.44 | ug/L |   |          | 10/01/25 05:33 | 1       |
| Styrene                               | ND     |           | 1.0 | 0.73 | ug/L |   |          | 10/01/25 05:33 | 1       |
| Tetrachloroethene                     | ND     |           | 1.0 | 0.36 | ug/L |   |          | 10/01/25 05:33 | 1       |
| Toluene                               | ND     |           | 1.0 | 0.51 | ug/L |   |          | 10/01/25 05:33 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.0 | 0.90 | ug/L |   |          | 10/01/25 05:33 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 1.0 | 0.37 | ug/L |   |          | 10/01/25 05:33 | 1       |
| Trichloroethene                       | ND     |           | 1.0 | 0.46 | ug/L |   |          | 10/01/25 05:33 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.0 | 0.88 | ug/L |   |          | 10/01/25 05:33 | 1       |
| Vinyl chloride                        | ND     |           | 1.0 | 0.90 | ug/L |   |          | 10/01/25 05:33 | 1       |
| Xylenes, Total                        | ND     |           | 2.0 | 0.66 | ug/L |   |          | 10/01/25 05:33 | 1       |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW11**  
**Date Collected: 09/24/25 16:05**  
**Date Received: 09/26/25 10:00**

**Lab Sample ID: 480-232963-12**  
**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) | 110              |                  | 77 - 120      |                 | 10/01/25 05:33  | 1              |
| 4-Bromofluorobenzene (Surr)  | 104              |                  | 73 - 120      |                 | 10/01/25 05:33  | 1              |
| Dibromofluoromethane (Surr)  | 107              |                  | 75 - 123      |                 | 10/01/25 05:33  | 1              |
| Toluene-d8 (Surr)            | 98               |                  | 80 - 120      |                 | 10/01/25 05:33  | 1              |

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# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW12S**

**Lab Sample ID: 480-232963-13**

**Date Collected: 09/24/25 16:00**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

**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 |   |          | 10/01/25 05:56 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND         |           | 1.0 | 0.21 | ug/L |   |          | 10/01/25 05:56 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND         |           | 1.0 | 0.31 | ug/L |   |          | 10/01/25 05:56 | 1       |
| 1,1,2-Trichloroethane                 | ND         |           | 1.0 | 0.23 | ug/L |   |          | 10/01/25 05:56 | 1       |
| 1,1-Dichloroethane                    | ND         |           | 1.0 | 0.38 | ug/L |   |          | 10/01/25 05:56 | 1       |
| 1,1-Dichloroethene                    | ND         |           | 1.0 | 0.29 | ug/L |   |          | 10/01/25 05:56 | 1       |
| 1,2,4-Trichlorobenzene                | ND         |           | 1.0 | 0.41 | ug/L |   |          | 10/01/25 05:56 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND         |           | 1.0 | 0.39 | ug/L |   |          | 10/01/25 05:56 | 1       |
| 1,2-Dibromoethane                     | ND         |           | 1.0 | 0.73 | ug/L |   |          | 10/01/25 05:56 | 1       |
| 1,2-Dichlorobenzene                   | ND         |           | 1.0 | 0.79 | ug/L |   |          | 10/01/25 05:56 | 1       |
| 1,2-Dichloroethane                    | ND         |           | 1.0 | 0.21 | ug/L |   |          | 10/01/25 05:56 | 1       |
| 1,2-Dichloropropane                   | ND         |           | 1.0 | 0.72 | ug/L |   |          | 10/01/25 05:56 | 1       |
| 1,3-Dichlorobenzene                   | ND         |           | 1.0 | 0.78 | ug/L |   |          | 10/01/25 05:56 | 1       |
| 1,4-Dichlorobenzene                   | ND         |           | 1.0 | 0.84 | ug/L |   |          | 10/01/25 05:56 | 1       |
| 2-Butanone (MEK)                      | ND         |           | 10  | 1.3  | ug/L |   |          | 10/01/25 05:56 | 1       |
| 2-Hexanone                            | ND         |           | 5.0 | 1.2  | ug/L |   |          | 10/01/25 05:56 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND         |           | 5.0 | 2.1  | ug/L |   |          | 10/01/25 05:56 | 1       |
| Acetone                               | ND         |           | 10  | 3.0  | ug/L |   |          | 10/01/25 05:56 | 1       |
| Benzene                               | ND         |           | 1.0 | 0.41 | ug/L |   |          | 10/01/25 05:56 | 1       |
| Bromodichloromethane                  | ND         |           | 1.0 | 0.39 | ug/L |   |          | 10/01/25 05:56 | 1       |
| Bromoform                             | ND         |           | 1.0 | 0.26 | ug/L |   |          | 10/01/25 05:56 | 1       |
| Bromomethane                          | ND         |           | 1.0 | 0.69 | ug/L |   |          | 10/01/25 05:56 | 1       |
| Carbon disulfide                      | ND         |           | 1.0 | 0.19 | ug/L |   |          | 10/01/25 05:56 | 1       |
| Carbon tetrachloride                  | ND         |           | 1.0 | 0.27 | ug/L |   |          | 10/01/25 05:56 | 1       |
| Chlorobenzene                         | ND         |           | 1.0 | 0.75 | ug/L |   |          | 10/01/25 05:56 | 1       |
| Chloroethane                          | ND         |           | 1.0 | 0.32 | ug/L |   |          | 10/01/25 05:56 | 1       |
| Chloroform                            | ND         |           | 1.0 | 0.34 | ug/L |   |          | 10/01/25 05:56 | 1       |
| Chloromethane                         | ND         |           | 1.0 | 0.35 | ug/L |   |          | 10/01/25 05:56 | 1       |
| <b>cis-1,2-Dichloroethene</b>         | <b>2.3</b> |           | 1.0 | 0.81 | ug/L |   |          | 10/01/25 05:56 | 1       |
| cis-1,3-Dichloropropene               | ND         |           | 1.0 | 0.36 | ug/L |   |          | 10/01/25 05:56 | 1       |
| Cyclohexane                           | ND         |           | 1.0 | 0.18 | ug/L |   |          | 10/01/25 05:56 | 1       |
| Dibromochloromethane                  | ND         |           | 1.0 | 0.32 | ug/L |   |          | 10/01/25 05:56 | 1       |
| Dichlorodifluoromethane               | ND         |           | 1.0 | 0.68 | ug/L |   |          | 10/01/25 05:56 | 1       |
| Ethylbenzene                          | ND         |           | 1.0 | 0.74 | ug/L |   |          | 10/01/25 05:56 | 1       |
| Isopropylbenzene                      | ND         |           | 1.0 | 0.79 | ug/L |   |          | 10/01/25 05:56 | 1       |
| Methyl acetate                        | ND         |           | 2.5 | 1.3  | ug/L |   |          | 10/01/25 05:56 | 1       |
| Methyl tert-butyl ether               | ND         |           | 1.0 | 0.16 | ug/L |   |          | 10/01/25 05:56 | 1       |
| Methylcyclohexane                     | ND         |           | 1.0 | 0.16 | ug/L |   |          | 10/01/25 05:56 | 1       |
| Methylene Chloride                    | ND         |           | 1.0 | 0.44 | ug/L |   |          | 10/01/25 05:56 | 1       |
| Styrene                               | ND         |           | 1.0 | 0.73 | ug/L |   |          | 10/01/25 05:56 | 1       |
| Tetrachloroethene                     | ND         |           | 1.0 | 0.36 | ug/L |   |          | 10/01/25 05:56 | 1       |
| Toluene                               | ND         |           | 1.0 | 0.51 | ug/L |   |          | 10/01/25 05:56 | 1       |
| trans-1,2-Dichloroethene              | ND         |           | 1.0 | 0.90 | ug/L |   |          | 10/01/25 05:56 | 1       |
| trans-1,3-Dichloropropene             | ND         |           | 1.0 | 0.37 | ug/L |   |          | 10/01/25 05:56 | 1       |
| Trichloroethene                       | ND         |           | 1.0 | 0.46 | ug/L |   |          | 10/01/25 05:56 | 1       |
| Trichlorofluoromethane                | ND         |           | 1.0 | 0.88 | ug/L |   |          | 10/01/25 05:56 | 1       |
| <b>Vinyl chloride</b>                 | <b>1.5</b> |           | 1.0 | 0.90 | ug/L |   |          | 10/01/25 05:56 | 1       |
| Xylenes, Total                        | ND         |           | 2.0 | 0.66 | ug/L |   |          | 10/01/25 05:56 | 1       |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW12S**  
**Date Collected: 09/24/25 16:00**  
**Date Received: 09/26/25 10:00**

**Lab Sample ID: 480-232963-13**  
**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) | 113              |                  | 77 - 120      |                 | 10/01/25 05:56  | 1              |
| 4-Bromofluorobenzene (Surr)  | 103              |                  | 73 - 120      |                 | 10/01/25 05:56  | 1              |
| Dibromofluoromethane (Surr)  | 111              |                  | 75 - 123      |                 | 10/01/25 05:56  | 1              |
| Toluene-d8 (Surr)            | 103              |                  | 80 - 120      |                 | 10/01/25 05:56  | 1              |

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# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW1C**

**Lab Sample ID: 480-232963-14**

**Date Collected: 09/25/25 12:15**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

**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 |   |          | 10/01/25 06:19 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND         |           | 1.0 | 0.21 | ug/L |   |          | 10/01/25 06:19 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND         |           | 1.0 | 0.31 | ug/L |   |          | 10/01/25 06:19 | 1       |
| 1,1,2-Trichloroethane                 | ND         |           | 1.0 | 0.23 | ug/L |   |          | 10/01/25 06:19 | 1       |
| 1,1-Dichloroethane                    | ND         |           | 1.0 | 0.38 | ug/L |   |          | 10/01/25 06:19 | 1       |
| 1,1-Dichloroethene                    | ND         |           | 1.0 | 0.29 | ug/L |   |          | 10/01/25 06:19 | 1       |
| 1,2,4-Trichlorobenzene                | ND         |           | 1.0 | 0.41 | ug/L |   |          | 10/01/25 06:19 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND         |           | 1.0 | 0.39 | ug/L |   |          | 10/01/25 06:19 | 1       |
| 1,2-Dibromoethane                     | ND         |           | 1.0 | 0.73 | ug/L |   |          | 10/01/25 06:19 | 1       |
| 1,2-Dichlorobenzene                   | ND         |           | 1.0 | 0.79 | ug/L |   |          | 10/01/25 06:19 | 1       |
| 1,2-Dichloroethane                    | ND         |           | 1.0 | 0.21 | ug/L |   |          | 10/01/25 06:19 | 1       |
| 1,2-Dichloropropane                   | ND         |           | 1.0 | 0.72 | ug/L |   |          | 10/01/25 06:19 | 1       |
| 1,3-Dichlorobenzene                   | ND         |           | 1.0 | 0.78 | ug/L |   |          | 10/01/25 06:19 | 1       |
| 1,4-Dichlorobenzene                   | ND         |           | 1.0 | 0.84 | ug/L |   |          | 10/01/25 06:19 | 1       |
| 2-Butanone (MEK)                      | ND         |           | 10  | 1.3  | ug/L |   |          | 10/01/25 06:19 | 1       |
| 2-Hexanone                            | ND         |           | 5.0 | 1.2  | ug/L |   |          | 10/01/25 06:19 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND         |           | 5.0 | 2.1  | ug/L |   |          | 10/01/25 06:19 | 1       |
| <b>Acetone</b>                        | <b>5.6</b> | <b>J</b>  | 10  | 3.0  | ug/L |   |          | 10/01/25 06:19 | 1       |
| Benzene                               | ND         |           | 1.0 | 0.41 | ug/L |   |          | 10/01/25 06:19 | 1       |
| Bromodichloromethane                  | ND         |           | 1.0 | 0.39 | ug/L |   |          | 10/01/25 06:19 | 1       |
| Bromoform                             | ND         |           | 1.0 | 0.26 | ug/L |   |          | 10/01/25 06:19 | 1       |
| Bromomethane                          | ND         |           | 1.0 | 0.69 | ug/L |   |          | 10/01/25 06:19 | 1       |
| Carbon disulfide                      | ND         |           | 1.0 | 0.19 | ug/L |   |          | 10/01/25 06:19 | 1       |
| Carbon tetrachloride                  | ND         |           | 1.0 | 0.27 | ug/L |   |          | 10/01/25 06:19 | 1       |
| Chlorobenzene                         | ND         |           | 1.0 | 0.75 | ug/L |   |          | 10/01/25 06:19 | 1       |
| Chloroethane                          | ND         |           | 1.0 | 0.32 | ug/L |   |          | 10/01/25 06:19 | 1       |
| Chloroform                            | ND         |           | 1.0 | 0.34 | ug/L |   |          | 10/01/25 06:19 | 1       |
| Chloromethane                         | ND         |           | 1.0 | 0.35 | ug/L |   |          | 10/01/25 06:19 | 1       |
| cis-1,2-Dichloroethene                | ND         |           | 1.0 | 0.81 | ug/L |   |          | 10/01/25 06:19 | 1       |
| cis-1,3-Dichloropropene               | ND         |           | 1.0 | 0.36 | ug/L |   |          | 10/01/25 06:19 | 1       |
| Cyclohexane                           | ND         |           | 1.0 | 0.18 | ug/L |   |          | 10/01/25 06:19 | 1       |
| Dibromochloromethane                  | ND         |           | 1.0 | 0.32 | ug/L |   |          | 10/01/25 06:19 | 1       |
| Dichlorodifluoromethane               | ND         |           | 1.0 | 0.68 | ug/L |   |          | 10/01/25 06:19 | 1       |
| Ethylbenzene                          | ND         |           | 1.0 | 0.74 | ug/L |   |          | 10/01/25 06:19 | 1       |
| Isopropylbenzene                      | ND         |           | 1.0 | 0.79 | ug/L |   |          | 10/01/25 06:19 | 1       |
| Methyl acetate                        | ND         |           | 2.5 | 1.3  | ug/L |   |          | 10/01/25 06:19 | 1       |
| Methyl tert-butyl ether               | ND         |           | 1.0 | 0.16 | ug/L |   |          | 10/01/25 06:19 | 1       |
| Methylcyclohexane                     | ND         |           | 1.0 | 0.16 | ug/L |   |          | 10/01/25 06:19 | 1       |
| Methylene Chloride                    | ND         |           | 1.0 | 0.44 | ug/L |   |          | 10/01/25 06:19 | 1       |
| Styrene                               | ND         |           | 1.0 | 0.73 | ug/L |   |          | 10/01/25 06:19 | 1       |
| Tetrachloroethene                     | ND         |           | 1.0 | 0.36 | ug/L |   |          | 10/01/25 06:19 | 1       |
| Toluene                               | ND         |           | 1.0 | 0.51 | ug/L |   |          | 10/01/25 06:19 | 1       |
| trans-1,2-Dichloroethene              | ND         |           | 1.0 | 0.90 | ug/L |   |          | 10/01/25 06:19 | 1       |
| trans-1,3-Dichloropropene             | ND         |           | 1.0 | 0.37 | ug/L |   |          | 10/01/25 06:19 | 1       |
| Trichloroethene                       | ND         |           | 1.0 | 0.46 | ug/L |   |          | 10/01/25 06:19 | 1       |
| Trichlorofluoromethane                | ND         |           | 1.0 | 0.88 | ug/L |   |          | 10/01/25 06:19 | 1       |
| Vinyl chloride                        | ND         |           | 1.0 | 0.90 | ug/L |   |          | 10/01/25 06:19 | 1       |
| Xylenes, Total                        | ND         |           | 2.0 | 0.66 | ug/L |   |          | 10/01/25 06:19 | 1       |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW1C**  
**Date Collected: 09/25/25 12:15**  
**Date Received: 09/26/25 10:00**

**Lab Sample ID: 480-232963-14**  
**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) | 110              |                  | 77 - 120      |                 | 10/01/25 06:19  | 1              |
| 4-Bromofluorobenzene (Surr)  | 102              |                  | 73 - 120      |                 | 10/01/25 06:19  | 1              |
| Dibromofluoromethane (Surr)  | 107              |                  | 75 - 123      |                 | 10/01/25 06:19  | 1              |
| Toluene-d8 (Surr)            | 102              |                  | 80 - 120      |                 | 10/01/25 06:19  | 1              |

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# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW1D**

**Lab Sample ID: 480-232963-15**

**Date Collected: 09/25/25 09:15**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

**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 |   |          | 10/01/25 06:43 | 20      |
| 1,1,2,2-Tetrachloroethane             | ND         |           | 20  | 4.2 | ug/L |   |          | 10/01/25 06:43 | 20      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND         |           | 20  | 6.2 | ug/L |   |          | 10/01/25 06:43 | 20      |
| 1,1,2-Trichloroethane                 | ND         |           | 20  | 4.6 | ug/L |   |          | 10/01/25 06:43 | 20      |
| 1,1-Dichloroethane                    | ND         |           | 20  | 7.6 | ug/L |   |          | 10/01/25 06:43 | 20      |
| 1,1-Dichloroethene                    | ND         |           | 20  | 5.8 | ug/L |   |          | 10/01/25 06:43 | 20      |
| 1,2,4-Trichlorobenzene                | ND         |           | 20  | 8.2 | ug/L |   |          | 10/01/25 06:43 | 20      |
| 1,2-Dibromo-3-Chloropropane           | ND         |           | 20  | 7.8 | ug/L |   |          | 10/01/25 06:43 | 20      |
| 1,2-Dibromoethane                     | ND         |           | 20  | 15  | ug/L |   |          | 10/01/25 06:43 | 20      |
| 1,2-Dichlorobenzene                   | ND         |           | 20  | 16  | ug/L |   |          | 10/01/25 06:43 | 20      |
| 1,2-Dichloroethane                    | ND         |           | 20  | 4.2 | ug/L |   |          | 10/01/25 06:43 | 20      |
| 1,2-Dichloropropane                   | ND         |           | 20  | 14  | ug/L |   |          | 10/01/25 06:43 | 20      |
| 1,3-Dichlorobenzene                   | ND         |           | 20  | 16  | ug/L |   |          | 10/01/25 06:43 | 20      |
| 1,4-Dichlorobenzene                   | ND         |           | 20  | 17  | ug/L |   |          | 10/01/25 06:43 | 20      |
| 2-Butanone (MEK)                      | ND         |           | 200 | 26  | ug/L |   |          | 10/01/25 06:43 | 20      |
| 2-Hexanone                            | ND         |           | 100 | 25  | ug/L |   |          | 10/01/25 06:43 | 20      |
| 4-Methyl-2-pentanone (MIBK)           | ND         |           | 100 | 42  | ug/L |   |          | 10/01/25 06:43 | 20      |
| Acetone                               | ND         |           | 200 | 60  | ug/L |   |          | 10/01/25 06:43 | 20      |
| Benzene                               | ND         |           | 20  | 8.2 | ug/L |   |          | 10/01/25 06:43 | 20      |
| Bromodichloromethane                  | ND         |           | 20  | 7.8 | ug/L |   |          | 10/01/25 06:43 | 20      |
| Bromoform                             | ND         |           | 20  | 5.2 | ug/L |   |          | 10/01/25 06:43 | 20      |
| Bromomethane                          | ND         |           | 20  | 14  | ug/L |   |          | 10/01/25 06:43 | 20      |
| Carbon disulfide                      | ND         |           | 20  | 3.8 | ug/L |   |          | 10/01/25 06:43 | 20      |
| Carbon tetrachloride                  | ND         |           | 20  | 5.4 | ug/L |   |          | 10/01/25 06:43 | 20      |
| Chlorobenzene                         | ND         |           | 20  | 15  | ug/L |   |          | 10/01/25 06:43 | 20      |
| Chloroethane                          | ND         |           | 20  | 6.4 | ug/L |   |          | 10/01/25 06:43 | 20      |
| Chloroform                            | ND         |           | 20  | 6.8 | ug/L |   |          | 10/01/25 06:43 | 20      |
| Chloromethane                         | ND         |           | 20  | 7.0 | ug/L |   |          | 10/01/25 06:43 | 20      |
| <b>cis-1,2-Dichloroethene</b>         | <b>990</b> |           | 20  | 16  | ug/L |   |          | 10/01/25 06:43 | 20      |
| cis-1,3-Dichloropropene               | ND         |           | 20  | 7.2 | ug/L |   |          | 10/01/25 06:43 | 20      |
| Cyclohexane                           | ND         |           | 20  | 3.6 | ug/L |   |          | 10/01/25 06:43 | 20      |
| Dibromochloromethane                  | ND         |           | 20  | 6.4 | ug/L |   |          | 10/01/25 06:43 | 20      |
| Dichlorodifluoromethane               | ND         |           | 20  | 14  | ug/L |   |          | 10/01/25 06:43 | 20      |
| Ethylbenzene                          | ND         |           | 20  | 15  | ug/L |   |          | 10/01/25 06:43 | 20      |
| Isopropylbenzene                      | ND         |           | 20  | 16  | ug/L |   |          | 10/01/25 06:43 | 20      |
| Methyl acetate                        | ND         |           | 50  | 26  | ug/L |   |          | 10/01/25 06:43 | 20      |
| Methyl tert-butyl ether               | ND         |           | 20  | 3.2 | ug/L |   |          | 10/01/25 06:43 | 20      |
| Methylcyclohexane                     | ND         |           | 20  | 3.2 | ug/L |   |          | 10/01/25 06:43 | 20      |
| Methylene Chloride                    | ND         |           | 20  | 8.8 | ug/L |   |          | 10/01/25 06:43 | 20      |
| Styrene                               | ND         |           | 20  | 15  | ug/L |   |          | 10/01/25 06:43 | 20      |
| <b>Tetrachloroethene</b>              | <b>540</b> |           | 20  | 7.2 | ug/L |   |          | 10/01/25 06:43 | 20      |
| Toluene                               | ND         |           | 20  | 10  | ug/L |   |          | 10/01/25 06:43 | 20      |
| trans-1,2-Dichloroethene              | ND         |           | 20  | 18  | ug/L |   |          | 10/01/25 06:43 | 20      |
| trans-1,3-Dichloropropene             | ND         |           | 20  | 7.4 | ug/L |   |          | 10/01/25 06:43 | 20      |
| <b>Trichloroethene</b>                | <b>210</b> |           | 20  | 9.2 | ug/L |   |          | 10/01/25 06:43 | 20      |
| Trichlorofluoromethane                | ND         |           | 20  | 18  | ug/L |   |          | 10/01/25 06:43 | 20      |
| <b>Vinyl chloride</b>                 | <b>28</b>  |           | 20  | 18  | ug/L |   |          | 10/01/25 06:43 | 20      |
| Xylenes, Total                        | ND         |           | 40  | 13  | ug/L |   |          | 10/01/25 06:43 | 20      |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW1D**

**Lab Sample ID: 480-232963-15**

**Date Collected: 09/25/25 09:15**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

| <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) | 110              |                  | 77 - 120      |                 | 10/01/25 06:43  | 20             |
| 4-Bromofluorobenzene (Surr)  | 107              |                  | 73 - 120      |                 | 10/01/25 06:43  | 20             |
| Dibromofluoromethane (Surr)  | 108              |                  | 75 - 123      |                 | 10/01/25 06:43  | 20             |
| Toluene-d8 (Surr)            | 103              |                  | 80 - 120      |                 | 10/01/25 06:43  | 20             |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW1E**

**Lab Sample ID: 480-232963-16**

**Date Collected: 09/25/25 11:05**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

**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 |   |          | 10/01/25 07:06 | 100     |
| 1,1,2,2-Tetrachloroethane             | ND          |           | 100  | 21  | ug/L |   |          | 10/01/25 07:06 | 100     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND          |           | 100  | 31  | ug/L |   |          | 10/01/25 07:06 | 100     |
| 1,1,2-Trichloroethane                 | ND          |           | 100  | 23  | ug/L |   |          | 10/01/25 07:06 | 100     |
| 1,1-Dichloroethane                    | ND          |           | 100  | 38  | ug/L |   |          | 10/01/25 07:06 | 100     |
| 1,1-Dichloroethene                    | ND          |           | 100  | 29  | ug/L |   |          | 10/01/25 07:06 | 100     |
| 1,2,4-Trichlorobenzene                | ND          |           | 100  | 41  | ug/L |   |          | 10/01/25 07:06 | 100     |
| 1,2-Dibromo-3-Chloropropane           | ND          |           | 100  | 39  | ug/L |   |          | 10/01/25 07:06 | 100     |
| 1,2-Dibromoethane                     | ND          |           | 100  | 73  | ug/L |   |          | 10/01/25 07:06 | 100     |
| 1,2-Dichlorobenzene                   | ND          |           | 100  | 79  | ug/L |   |          | 10/01/25 07:06 | 100     |
| 1,2-Dichloroethane                    | ND          |           | 100  | 21  | ug/L |   |          | 10/01/25 07:06 | 100     |
| 1,2-Dichloropropane                   | ND          |           | 100  | 72  | ug/L |   |          | 10/01/25 07:06 | 100     |
| 1,3-Dichlorobenzene                   | ND          |           | 100  | 78  | ug/L |   |          | 10/01/25 07:06 | 100     |
| 1,4-Dichlorobenzene                   | ND          |           | 100  | 84  | ug/L |   |          | 10/01/25 07:06 | 100     |
| 2-Butanone (MEK)                      | ND          |           | 1000 | 130 | ug/L |   |          | 10/01/25 07:06 | 100     |
| 2-Hexanone                            | ND          |           | 500  | 120 | ug/L |   |          | 10/01/25 07:06 | 100     |
| 4-Methyl-2-pentanone (MIBK)           | ND          |           | 500  | 210 | ug/L |   |          | 10/01/25 07:06 | 100     |
| Acetone                               | ND          |           | 1000 | 300 | ug/L |   |          | 10/01/25 07:06 | 100     |
| Benzene                               | ND          |           | 100  | 41  | ug/L |   |          | 10/01/25 07:06 | 100     |
| Bromodichloromethane                  | ND          |           | 100  | 39  | ug/L |   |          | 10/01/25 07:06 | 100     |
| Bromoform                             | ND          |           | 100  | 26  | ug/L |   |          | 10/01/25 07:06 | 100     |
| Bromomethane                          | ND          |           | 100  | 69  | ug/L |   |          | 10/01/25 07:06 | 100     |
| Carbon disulfide                      | ND          |           | 100  | 19  | ug/L |   |          | 10/01/25 07:06 | 100     |
| Carbon tetrachloride                  | ND          |           | 100  | 27  | ug/L |   |          | 10/01/25 07:06 | 100     |
| Chlorobenzene                         | ND          |           | 100  | 75  | ug/L |   |          | 10/01/25 07:06 | 100     |
| Chloroethane                          | ND          |           | 100  | 32  | ug/L |   |          | 10/01/25 07:06 | 100     |
| Chloroform                            | ND          |           | 100  | 34  | ug/L |   |          | 10/01/25 07:06 | 100     |
| Chloromethane                         | ND          |           | 100  | 35  | ug/L |   |          | 10/01/25 07:06 | 100     |
| <b>cis-1,2-Dichloroethene</b>         | <b>2900</b> |           | 100  | 81  | ug/L |   |          | 10/01/25 07:06 | 100     |
| cis-1,3-Dichloropropene               | ND          |           | 100  | 36  | ug/L |   |          | 10/01/25 07:06 | 100     |
| Cyclohexane                           | ND          |           | 100  | 18  | ug/L |   |          | 10/01/25 07:06 | 100     |
| Dibromochloromethane                  | ND          |           | 100  | 32  | ug/L |   |          | 10/01/25 07:06 | 100     |
| Dichlorodifluoromethane               | ND          |           | 100  | 68  | ug/L |   |          | 10/01/25 07:06 | 100     |
| Ethylbenzene                          | ND          |           | 100  | 74  | ug/L |   |          | 10/01/25 07:06 | 100     |
| Isopropylbenzene                      | ND          |           | 100  | 79  | ug/L |   |          | 10/01/25 07:06 | 100     |
| Methyl acetate                        | ND          |           | 250  | 130 | ug/L |   |          | 10/01/25 07:06 | 100     |
| Methyl tert-butyl ether               | ND          |           | 100  | 16  | ug/L |   |          | 10/01/25 07:06 | 100     |
| Methylcyclohexane                     | ND          |           | 100  | 16  | ug/L |   |          | 10/01/25 07:06 | 100     |
| Methylene Chloride                    | ND          |           | 100  | 44  | ug/L |   |          | 10/01/25 07:06 | 100     |
| Styrene                               | ND          |           | 100  | 73  | ug/L |   |          | 10/01/25 07:06 | 100     |
| <b>Tetrachloroethene</b>              | <b>3600</b> |           | 100  | 36  | ug/L |   |          | 10/01/25 07:06 | 100     |
| Toluene                               | ND          |           | 100  | 51  | ug/L |   |          | 10/01/25 07:06 | 100     |
| trans-1,2-Dichloroethene              | ND          |           | 100  | 90  | ug/L |   |          | 10/01/25 07:06 | 100     |
| trans-1,3-Dichloropropene             | ND          |           | 100  | 37  | ug/L |   |          | 10/01/25 07:06 | 100     |
| <b>Trichloroethene</b>                | <b>1100</b> |           | 100  | 46  | ug/L |   |          | 10/01/25 07:06 | 100     |
| Trichlorofluoromethane                | ND          |           | 100  | 88  | ug/L |   |          | 10/01/25 07:06 | 100     |
| Vinyl chloride                        | ND          |           | 100  | 90  | ug/L |   |          | 10/01/25 07:06 | 100     |
| Xylenes, Total                        | ND          |           | 200  | 66  | ug/L |   |          | 10/01/25 07:06 | 100     |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: MW1E**

**Lab Sample ID: 480-232963-16**

**Date Collected: 09/25/25 11:05**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

| <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) | 109              |                  | 77 - 120      |                 | 10/01/25 07:06  | 100            |
| 4-Bromofluorobenzene (Surr)  | 103              |                  | 73 - 120      |                 | 10/01/25 07:06  | 100            |
| Dibromofluoromethane (Surr)  | 111              |                  | 75 - 123      |                 | 10/01/25 07:06  | 100            |
| Toluene-d8 (Surr)            | 97               |                  | 80 - 120      |                 | 10/01/25 07:06  | 100            |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: TB**

**Lab Sample ID: 480-232963-17**

**Date Collected: 09/25/25 00:00**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

**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 |   |          | 10/01/25 07:29 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.0 | 0.21 | ug/L |   |          | 10/01/25 07:29 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.0 | 0.31 | ug/L |   |          | 10/01/25 07:29 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 1.0 | 0.23 | ug/L |   |          | 10/01/25 07:29 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 1.0 | 0.38 | ug/L |   |          | 10/01/25 07:29 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 1.0 | 0.29 | ug/L |   |          | 10/01/25 07:29 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.0 | 0.41 | ug/L |   |          | 10/01/25 07:29 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0 | 0.39 | ug/L |   |          | 10/01/25 07:29 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | 0.73 | ug/L |   |          | 10/01/25 07:29 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | 0.79 | ug/L |   |          | 10/01/25 07:29 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 1.0 | 0.21 | ug/L |   |          | 10/01/25 07:29 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | 0.72 | ug/L |   |          | 10/01/25 07:29 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | 0.78 | ug/L |   |          | 10/01/25 07:29 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | 0.84 | ug/L |   |          | 10/01/25 07:29 | 1       |
| 2-Butanone (MEK)                      | ND     |           | 10  | 1.3  | ug/L |   |          | 10/01/25 07:29 | 1       |
| 2-Hexanone                            | ND     |           | 5.0 | 1.2  | ug/L |   |          | 10/01/25 07:29 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND     |           | 5.0 | 2.1  | ug/L |   |          | 10/01/25 07:29 | 1       |
| Acetone                               | ND     |           | 10  | 3.0  | ug/L |   |          | 10/01/25 07:29 | 1       |
| Benzene                               | ND     |           | 1.0 | 0.41 | ug/L |   |          | 10/01/25 07:29 | 1       |
| Bromodichloromethane                  | ND     |           | 1.0 | 0.39 | ug/L |   |          | 10/01/25 07:29 | 1       |
| Bromoform                             | ND     |           | 1.0 | 0.26 | ug/L |   |          | 10/01/25 07:29 | 1       |
| Bromomethane                          | ND     |           | 1.0 | 0.69 | ug/L |   |          | 10/01/25 07:29 | 1       |
| Carbon disulfide                      | ND     |           | 1.0 | 0.19 | ug/L |   |          | 10/01/25 07:29 | 1       |
| Carbon tetrachloride                  | ND     |           | 1.0 | 0.27 | ug/L |   |          | 10/01/25 07:29 | 1       |
| Chlorobenzene                         | ND     |           | 1.0 | 0.75 | ug/L |   |          | 10/01/25 07:29 | 1       |
| Chloroethane                          | ND     |           | 1.0 | 0.32 | ug/L |   |          | 10/01/25 07:29 | 1       |
| Chloroform                            | ND     |           | 1.0 | 0.34 | ug/L |   |          | 10/01/25 07:29 | 1       |
| Chloromethane                         | ND     |           | 1.0 | 0.35 | ug/L |   |          | 10/01/25 07:29 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 1.0 | 0.81 | ug/L |   |          | 10/01/25 07:29 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 1.0 | 0.36 | ug/L |   |          | 10/01/25 07:29 | 1       |
| Cyclohexane                           | ND     |           | 1.0 | 0.18 | ug/L |   |          | 10/01/25 07:29 | 1       |
| Dibromochloromethane                  | ND     |           | 1.0 | 0.32 | ug/L |   |          | 10/01/25 07:29 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0 | 0.68 | ug/L |   |          | 10/01/25 07:29 | 1       |
| Ethylbenzene                          | ND     |           | 1.0 | 0.74 | ug/L |   |          | 10/01/25 07:29 | 1       |
| Isopropylbenzene                      | ND     |           | 1.0 | 0.79 | ug/L |   |          | 10/01/25 07:29 | 1       |
| Methyl acetate                        | ND     |           | 2.5 | 1.3  | ug/L |   |          | 10/01/25 07:29 | 1       |
| Methyl tert-butyl ether               | ND     |           | 1.0 | 0.16 | ug/L |   |          | 10/01/25 07:29 | 1       |
| Methylcyclohexane                     | ND     |           | 1.0 | 0.16 | ug/L |   |          | 10/01/25 07:29 | 1       |
| Methylene Chloride                    | ND     |           | 1.0 | 0.44 | ug/L |   |          | 10/01/25 07:29 | 1       |
| Styrene                               | ND     |           | 1.0 | 0.73 | ug/L |   |          | 10/01/25 07:29 | 1       |
| Tetrachloroethene                     | ND     |           | 1.0 | 0.36 | ug/L |   |          | 10/01/25 07:29 | 1       |
| Toluene                               | ND     |           | 1.0 | 0.51 | ug/L |   |          | 10/01/25 07:29 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.0 | 0.90 | ug/L |   |          | 10/01/25 07:29 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 1.0 | 0.37 | ug/L |   |          | 10/01/25 07:29 | 1       |
| Trichloroethene                       | ND     |           | 1.0 | 0.46 | ug/L |   |          | 10/01/25 07:29 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.0 | 0.88 | ug/L |   |          | 10/01/25 07:29 | 1       |
| Vinyl chloride                        | ND     |           | 1.0 | 0.90 | ug/L |   |          | 10/01/25 07:29 | 1       |
| Xylenes, Total                        | ND     |           | 2.0 | 0.66 | ug/L |   |          | 10/01/25 07:29 | 1       |

# Client Sample Results

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

Job ID: 480-232963-1

**Client Sample ID: TB**

**Lab Sample ID: 480-232963-17**

**Date Collected: 09/25/25 00:00**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

| <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) | 107              |                  | 77 - 120      |                 | 10/01/25 07:29  | 1              |
| 4-Bromofluorobenzene (Surr)  | 105              |                  | 73 - 120      |                 | 10/01/25 07:29  | 1              |
| Dibromofluoromethane (Surr)  | 104              |                  | 75 - 123      |                 | 10/01/25 07:29  | 1              |
| Toluene-d8 (Surr)            | 102              |                  | 80 - 120      |                 | 10/01/25 07:29  | 1              |

# Surrogate Summary

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

Job ID: 480-232963-1

## 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<br>(77-120)                                | BFB<br>(73-120) | DBFM<br>(75-123) | TOL<br>(80-120) |
| 480-232963-1     | MW1R               | 107                                            | 107             | 107              | 101             |
| 480-232963-2     | MW2R               | 106                                            | 106             | 109              | 104             |
| 480-232963-3     | MW3S               | 109                                            | 105             | 107              | 101             |
| 480-232963-4     | MW3I               | 105                                            | 104             | 104              | 100             |
| 480-232963-5     | MW4S               | 109                                            | 108             | 108              | 100             |
| 480-232963-6     | MW4I               | 119                                            | 114             | 117              | 108             |
| 480-232963-6 MS  | MW4I               | 108                                            | 107             | 105              | 104             |
| 480-232963-6 MSD | MW4I               | 106                                            | 105             | 108              | 106             |
| 480-232963-7     | MW5S               | 124 S1+                                        | 108             | 114              | 102             |
| 480-232963-8     | MW5I               | 110                                            | 103             | 109              | 100             |
| 480-232963-9     | MW6                | 109                                            | 104             | 109              | 103             |
| 480-232963-10    | MW7                | 109                                            | 103             | 108              | 100             |
| 480-232963-11    | MW8                | 112                                            | 106             | 105              | 103             |
| 480-232963-12    | MW11               | 110                                            | 104             | 107              | 98              |
| 480-232963-13    | MW12S              | 113                                            | 103             | 111              | 103             |
| 480-232963-14    | MW1C               | 110                                            | 102             | 107              | 102             |
| 480-232963-15    | MW1D               | 110                                            | 107             | 108              | 103             |
| 480-232963-16    | MW1E               | 109                                            | 103             | 111              | 97              |
| 480-232963-17    | TB                 | 107                                            | 105             | 104              | 102             |
| LCS 480-758407/6 | Lab Control Sample | 109                                            | 108             | 108              | 103             |
| LCS 480-758501/6 | Lab Control Sample | 114                                            | 105             | 111              | 101             |
| MB 480-758407/8  | Method Blank       | 113                                            | 108             | 111              | 102             |
| MB 480-758501/8  | Method Blank       | 105                                            | 101             | 102              | 97              |

### 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: 480-232963-1

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID     | Client Sample ID | Percent Isotope Dilution Recovery (Acceptance Limits) |                   |                  |                  |
|-------------------|------------------|-------------------------------------------------------|-------------------|------------------|------------------|
|                   |                  | PFD <sub>o</sub> A<br>(10-130)                        | PFTDA<br>(10-130) | NMFM<br>(10-130) | NEFM<br>(10-130) |
| 480-232963-3 - RE | MW3S             | 89.1                                                  | 80.9              | 85.0             | 56.5             |

**Surrogate Legend**

PFD<sub>o</sub>A = 13C2 PFD<sub>o</sub>A  
PFTDA = 13C2 PFTeDA  
NMFM = d7-N-MeFOSE-M  
NEFM = d9-N-EtFOSE-M

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID        | Client Sample ID       | Percent Isotope Dilution Recovery (Acceptance Limits) |                     |                     |                                |                   |                    |                    |                    |
|----------------------|------------------------|-------------------------------------------------------|---------------------|---------------------|--------------------------------|-------------------|--------------------|--------------------|--------------------|
|                      |                        | M242FTS<br>(40-200)                                   | M262FTS<br>(40-200) | M282FTS<br>(40-300) | PFD <sub>o</sub> A<br>(10-130) | PFTDA<br>(10-130) | HFPODA<br>(40-130) | C3PFBS<br>(40-135) | C3PFHS<br>(40-130) |
| 480-232963-3         | MW3S                   | 228 *5+                                               | 113                 | 92.4                | 22.2                           |                   | 84.7               | 108                | 92.9               |
| 480-232963-4         | MW3I                   | 108                                                   | 99.2                | 94.6                | 57.2                           | 38.1              | 91.0               | 116                | 96.3               |
| 480-232963-5         | MW4S                   | 191                                                   | 139                 | 143                 | 81.8                           | 61.9              | 82.9               | 117                | 99.9               |
| 480-232963-6         | MW4I                   | 113                                                   | 92.9                | 97.7                | 80.5                           | 66.6              | 85.9               | 110                | 92.8               |
| 480-232963-7         | MW5S                   | 219 *5+                                               | 190                 | 125                 | 80.5                           | 66.6              | 95.1               | 103                | 96.3               |
| 480-232963-8         | MW5I                   | 111                                                   | 92.6                | 81.3                | 87.4                           | 66.0              | 108                | 103                | 96.6               |
| LCS 410-707351/17-A  | Lab Control Sample     | 112                                                   | 121                 | 126                 | 92.9                           | 85.7              | 115                | 108                | 105                |
| LCS 410-708885/16-A  | Lab Control Sample     | 89.7                                                  | 82.4                | 74.5                | 89.9                           | 77.4              | 108                | 94.6               | 91.5               |
| LCS 410-710704/6-A   | Lab Control Sample     | 111                                                   | 93.4                | 110                 | 93.9                           | 79.6              | 91.7               | 110                | 95.4               |
| LCS 410-707351/18-A  | Lab Control Sample Dup | 114                                                   | 120                 | 124                 | 97.5                           | 90.1              | 113                | 107                | 107                |
| LCS 410-708885/17-A  | Lab Control Sample Dup | 89.8                                                  | 84.8                | 81.1                | 96.3                           | 82.1              | 107                | 99.8               | 96.3               |
| LCS 410-710704/7-A   | Lab Control Sample Dup | 109                                                   | 94.3                | 103                 | 87.9                           | 63.6              | 88.6               | 100                | 89.7               |
| LLCS 410-708885/18-A | Lab Control Sample     | 89.8                                                  | 85.9                | 78.6                | 98.4                           | 81.4              | 97.0               | 97.5               | 95.9               |
| LLCS 410-710704/8-A  | Lab Control Sample     | 112                                                   | 101                 | 113                 | 89.1                           | 73.8              | 84.6               | 108                | 94.4               |
| MB 410-707351/16-A   | Method Blank           | 123                                                   | 134                 | 141                 | 97.7                           | 86.4              | 111                | 106                | 105                |
| MB 410-708885/15-A   | Method Blank           | 86.4                                                  | 86.3                | 77.6                | 93.1                           | 74.6              | 101                | 99.4               | 96.6               |
| MB 410-710704/5-A    | Method Blank           | 107                                                   | 98.6                | 105                 | 89.7                           | 67.0              | 89.7               | 103                | 87.4               |

| Lab Sample ID        | Client Sample ID       | Percent Isotope Dilution Recovery (Acceptance Limits) |                    |                     |                                |                    |                     |                   |                    |
|----------------------|------------------------|-------------------------------------------------------|--------------------|---------------------|--------------------------------|--------------------|---------------------|-------------------|--------------------|
|                      |                        | PFBA<br>(5-130)                                       | C4PFHA<br>(40-130) | 13C5PHA<br>(40-130) | PFP <sub>e</sub> A<br>(40-130) | C6PFDA<br>(40-130) | 13C7PUA<br>(30-130) | PFOSA<br>(40-130) | C8PFOA<br>(40-130) |
| 480-232963-3         | MW3S                   | 76.7                                                  | 94.9               | 97.3                | 65.6                           | 84.8               | 64.1                | 79.3              | 96.2               |
| 480-232963-4         | MW3I                   | 105                                                   | 94.7               | 106                 | 108                            | 88.2               | 73.1                | 84.1              | 99.1               |
| 480-232963-5         | MW4S                   | 109                                                   | 91.1               | 97.5                | 99.2                           | 96.6               | 85.7                | 94.4              | 102                |
| 480-232963-6         | MW4I                   | 99.7                                                  | 86.4               | 99.5                | 102                            | 84.0               | 78.0                | 80.0              | 88.8               |
| 480-232963-7         | MW5S                   | 103                                                   | 100                | 97.9                | 86.5                           | 95.1               | 83.1                | 93.6              | 98.2               |
| 480-232963-8         | MW5I                   | 107                                                   | 102                | 96.2                | 100                            | 104                | 90.2                | 87.5              | 101                |
| LCS 410-707351/17-A  | Lab Control Sample     | 110                                                   | 106                | 104                 | 103                            | 99.0               | 86.9                | 106               | 102                |
| LCS 410-708885/16-A  | Lab Control Sample     | 101                                                   | 95.8               | 96.5                | 99.4                           | 92.2               | 92.5                | 81.7              | 93.9               |
| LCS 410-710704/6-A   | Lab Control Sample     | 103                                                   | 93.7               | 96.2                | 102                            | 96.0               | 89.6                | 88.0              | 93.0               |
| LCS 410-707351/18-A  | Lab Control Sample Dup | 108                                                   | 112                | 106                 | 108                            | 101                | 90.8                | 104               | 110                |
| LCS 410-708885/17-A  | Lab Control Sample Dup | 104                                                   | 102                | 98.5                | 103                            | 98.3               | 92.3                | 83.7              | 97.5               |
| LCS 410-710704/7-A   | Lab Control Sample Dup | 97.7                                                  | 92.3               | 100                 | 97.4                           | 90.7               | 86.1                | 86.6              | 88.4               |
| LLCS 410-708885/18-A | Lab Control Sample     | 98.0                                                  | 94.9               | 89.3                | 94.2                           | 97.1               | 94.8                | 77.2              | 90.4               |
| LLCS 410-710704/8-A  | Lab Control Sample     | 101                                                   | 93.5               | 100                 | 101                            | 91.0               | 90.9                | 87.3              | 90.3               |
| MB 410-707351/16-A   | Method Blank           | 114                                                   | 108                | 108                 | 104                            | 101                | 90.6                | 111               | 112                |
| MB 410-708885/15-A   | Method Blank           | 104                                                   | 102                | 98.5                | 100                            | 98.2               | 92.2                | 83.8              | 94.1               |

Eurofins Buffalo

# Isotope Dilution Summary

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

Job ID: 480-232963-1

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

**Matrix: Water**

**Prep Type: Total/NA**

|                   |                  | Percent Isotope Dilution Recovery (Acceptance Limits) |                    |                     |                   |                    |                     |                   |                    |
|-------------------|------------------|-------------------------------------------------------|--------------------|---------------------|-------------------|--------------------|---------------------|-------------------|--------------------|
| Lab Sample ID     | Client Sample ID | PFBA<br>(5-130)                                       | C4PFHA<br>(40-130) | 13C5PHA<br>(40-130) | PFPeA<br>(40-130) | C6PFDA<br>(40-130) | 13C7PUA<br>(30-130) | PFOSA<br>(40-130) | C8PFOA<br>(40-130) |
| MB 410-710704/5-A | Method Blank     | 102                                                   | 96.9               | 99.0                | 101               | 95.0               | 89.0                | 90.8              | 92.9               |

|                      |                        | Percent Isotope Dilution Recovery (Acceptance Limits) |                    |                     |                     |                     |                     |                  |                  |
|----------------------|------------------------|-------------------------------------------------------|--------------------|---------------------|---------------------|---------------------|---------------------|------------------|------------------|
| Lab Sample ID        | Client Sample ID       | C8PFOS<br>(40-130)                                    | C9PFNA<br>(40-130) | d3NMFOS<br>(40-170) | d3NMFSA<br>(10-130) | d5NEFOS<br>(25-135) | d5NPFSA<br>(10-130) | NMFM<br>(10-130) | NEFM<br>(10-130) |
| 480-232963-3         | MW3S                   | 90.1                                                  | 97.7               | 58.0                | 59.0                | 33.1                | 26.5                |                  |                  |
| 480-232963-4         | MW3I                   | 92.5                                                  | 100                | 68.6                | 62.2                | 54.2                | 52.7                | 23.0             | 15.4             |
| 480-232963-5         | MW4S                   | 104                                                   | 100                | 112                 | 81.1                | 87.5                | 71.7                | 57.3             | 44.0             |
| 480-232963-6         | MW4I                   | 88.8                                                  | 93.4               | 77.1                | 69.3                | 66.6                | 65.7                | 49.2             | 38.6             |
| 480-232963-7         | MW5S                   | 94.5                                                  | 99.3               | 89.9                | 73.0                | 80.5                | 63.1                | 51.8             | 43.6             |
| 480-232963-8         | MW5I                   | 94.0                                                  | 95.8               | 81.4                | 68.6                | 73.0                | 63.1                | 21.5             | 14.5             |
| LCS 410-707351/17-A  | Lab Control Sample     | 96.9                                                  | 103                | 102                 | 89.7                | 96.3                | 83.0                | 99.7             | 71.9             |
| LCS 410-708885/16-A  | Lab Control Sample     | 91.7                                                  | 88.0               | 76.0                | 70.7                | 70.2                | 64.8                | 61.6             | 54.0             |
| LCS 410-710704/6-A   | Lab Control Sample     | 98.1                                                  | 103                | 88.0                | 78.5                | 78.6                | 78.4                | 72.7             | 58.2             |
| LCSD 410-707351/18-A | Lab Control Sample Dup | 104                                                   | 103                | 102                 | 93.0                | 97.0                | 86.9                | 113              | 105              |
| LCSD 410-708885/17-A | Lab Control Sample Dup | 97.5                                                  | 100                | 77.4                | 70.0                | 73.9                | 64.9                | 59.4             | 52.1             |
| LCSD 410-710704/7-A  | Lab Control Sample Dup | 95.5                                                  | 93.5               | 87.5                | 72.3                | 76.6                | 71.0                | 61.1             | 55.0             |
| LLCS 410-708885/18-A | Lab Control Sample     | 93.8                                                  | 91.9               | 80.3                | 66.5                | 78.0                | 63.7                | 59.3             | 54.7             |
| LLCS 410-710704/8-A  | Lab Control Sample     | 99.2                                                  | 95.0               | 98.0                | 78.3                | 83.9                | 77.3                | 67.4             | 55.8             |
| MB 410-707351/16-A   | Method Blank           | 102                                                   | 108                | 105                 | 87.5                | 99.9                | 79.2                | 108              | 89.6             |
| MB 410-708885/15-A   | Method Blank           | 95.6                                                  | 93.6               | 81.4                | 74.1                | 77.1                | 68.1                | 50.9             | 43.2             |
| MB 410-710704/5-A    | Method Blank           | 96.1                                                  | 92.7               | 88.9                | 76.5                | 79.1                | 73.8                | 56.6             | 43.1             |

**Surrogate Legend**

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

# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: MB 480-758407/8**  
**Matrix: Water**  
**Analysis Batch: 758407**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

| Analyte                               | MB     | MB        | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
|                                       | Result | Qualifier |     |      |      |   |          |                |         |
| 1,1,1-Trichloroethane                 | ND     |           | 1.0 | 0.82 | ug/L |   |          | 10/01/25 00:55 | 1       |
| 1,1,1,2,2-Tetrachloroethane           | ND     |           | 1.0 | 0.21 | ug/L |   |          | 10/01/25 00:55 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.0 | 0.31 | ug/L |   |          | 10/01/25 00:55 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 1.0 | 0.23 | ug/L |   |          | 10/01/25 00:55 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 1.0 | 0.38 | ug/L |   |          | 10/01/25 00:55 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 1.0 | 0.29 | ug/L |   |          | 10/01/25 00:55 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.0 | 0.41 | ug/L |   |          | 10/01/25 00:55 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0 | 0.39 | ug/L |   |          | 10/01/25 00:55 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | 0.73 | ug/L |   |          | 10/01/25 00:55 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | 0.79 | ug/L |   |          | 10/01/25 00:55 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 1.0 | 0.21 | ug/L |   |          | 10/01/25 00:55 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | 0.72 | ug/L |   |          | 10/01/25 00:55 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | 0.78 | ug/L |   |          | 10/01/25 00:55 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | 0.84 | ug/L |   |          | 10/01/25 00:55 | 1       |
| 2-Butanone (MEK)                      | ND     |           | 10  | 1.3  | ug/L |   |          | 10/01/25 00:55 | 1       |
| 2-Hexanone                            | ND     |           | 5.0 | 1.2  | ug/L |   |          | 10/01/25 00:55 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND     |           | 5.0 | 2.1  | ug/L |   |          | 10/01/25 00:55 | 1       |
| Acetone                               | ND     |           | 10  | 3.0  | ug/L |   |          | 10/01/25 00:55 | 1       |
| Benzene                               | ND     |           | 1.0 | 0.41 | ug/L |   |          | 10/01/25 00:55 | 1       |
| Bromodichloromethane                  | ND     |           | 1.0 | 0.39 | ug/L |   |          | 10/01/25 00:55 | 1       |
| Bromoform                             | ND     |           | 1.0 | 0.26 | ug/L |   |          | 10/01/25 00:55 | 1       |
| Bromomethane                          | ND     |           | 1.0 | 0.69 | ug/L |   |          | 10/01/25 00:55 | 1       |
| Carbon disulfide                      | ND     |           | 1.0 | 0.19 | ug/L |   |          | 10/01/25 00:55 | 1       |
| Carbon tetrachloride                  | ND     |           | 1.0 | 0.27 | ug/L |   |          | 10/01/25 00:55 | 1       |
| Chlorobenzene                         | ND     |           | 1.0 | 0.75 | ug/L |   |          | 10/01/25 00:55 | 1       |
| Chloroethane                          | ND     |           | 1.0 | 0.32 | ug/L |   |          | 10/01/25 00:55 | 1       |
| Chloroform                            | ND     |           | 1.0 | 0.34 | ug/L |   |          | 10/01/25 00:55 | 1       |
| Chloromethane                         | ND     |           | 1.0 | 0.35 | ug/L |   |          | 10/01/25 00:55 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 1.0 | 0.81 | ug/L |   |          | 10/01/25 00:55 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 1.0 | 0.36 | ug/L |   |          | 10/01/25 00:55 | 1       |
| Cyclohexane                           | ND     |           | 1.0 | 0.18 | ug/L |   |          | 10/01/25 00:55 | 1       |
| Dibromochloromethane                  | ND     |           | 1.0 | 0.32 | ug/L |   |          | 10/01/25 00:55 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0 | 0.68 | ug/L |   |          | 10/01/25 00:55 | 1       |
| Ethylbenzene                          | ND     |           | 1.0 | 0.74 | ug/L |   |          | 10/01/25 00:55 | 1       |
| Isopropylbenzene                      | ND     |           | 1.0 | 0.79 | ug/L |   |          | 10/01/25 00:55 | 1       |
| Methyl acetate                        | ND     |           | 2.5 | 1.3  | ug/L |   |          | 10/01/25 00:55 | 1       |
| Methyl tert-butyl ether               | ND     |           | 1.0 | 0.16 | ug/L |   |          | 10/01/25 00:55 | 1       |
| Methylcyclohexane                     | ND     |           | 1.0 | 0.16 | ug/L |   |          | 10/01/25 00:55 | 1       |
| Methylene Chloride                    | ND     |           | 1.0 | 0.44 | ug/L |   |          | 10/01/25 00:55 | 1       |
| Styrene                               | ND     |           | 1.0 | 0.73 | ug/L |   |          | 10/01/25 00:55 | 1       |
| Tetrachloroethene                     | ND     |           | 1.0 | 0.36 | ug/L |   |          | 10/01/25 00:55 | 1       |
| Toluene                               | ND     |           | 1.0 | 0.51 | ug/L |   |          | 10/01/25 00:55 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.0 | 0.90 | ug/L |   |          | 10/01/25 00:55 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 1.0 | 0.37 | ug/L |   |          | 10/01/25 00:55 | 1       |
| Trichloroethene                       | ND     |           | 1.0 | 0.46 | ug/L |   |          | 10/01/25 00:55 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.0 | 0.88 | ug/L |   |          | 10/01/25 00:55 | 1       |
| Vinyl chloride                        | ND     |           | 1.0 | 0.90 | ug/L |   |          | 10/01/25 00:55 | 1       |
| Xylenes, Total                        | ND     |           | 2.0 | 0.66 | ug/L |   |          | 10/01/25 00:55 | 1       |

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# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: MB 480-758407/8**  
**Matrix: Water**  
**Analysis Batch: 758407**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

| Surrogate                    | MB MB     |           | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
|                              | %Recovery | Qualifier |          |          |                |         |
| 1,2-Dichloroethane-d4 (Surr) | 113       |           | 77 - 120 |          | 10/01/25 00:55 | 1       |
| 4-Bromofluorobenzene (Surr)  | 108       |           | 73 - 120 |          | 10/01/25 00:55 | 1       |
| Dibromofluoromethane (Surr)  | 111       |           | 75 - 123 |          | 10/01/25 00:55 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 80 - 120 |          | 10/01/25 00:55 | 1       |

**Lab Sample ID: LCS 480-758407/6**  
**Matrix: Water**  
**Analysis Batch: 758407**

**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        | 25.1       |               | ug/L |   | 101  | 73 - 126 |
| 1,1,1,2-Tetrachloroethane             | 25.0        | 22.0       |               | ug/L |   | 88   | 76 - 120 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 25.0        | 25.9       |               | ug/L |   | 104  | 61 - 148 |
| 1,1,2-Trichloroethane                 | 25.0        | 23.2       |               | ug/L |   | 93   | 76 - 122 |
| 1,1-Dichloroethane                    | 25.0        | 23.3       |               | ug/L |   | 93   | 77 - 120 |
| 1,1-Dichloroethene                    | 25.0        | 23.5       |               | ug/L |   | 94   | 66 - 127 |
| 1,2,4-Trichlorobenzene                | 25.0        | 21.9       |               | ug/L |   | 88   | 79 - 122 |
| 1,2-Dibromo-3-Chloropropane           | 25.0        | 20.2       |               | ug/L |   | 81   | 56 - 134 |
| 1,2-Dibromoethane                     | 25.0        | 23.2       |               | ug/L |   | 93   | 77 - 120 |
| 1,2-Dichlorobenzene                   | 25.0        | 22.5       |               | ug/L |   | 90   | 80 - 124 |
| 1,2-Dichloroethane                    | 25.0        | 24.9       |               | ug/L |   | 100  | 75 - 120 |
| 1,2-Dichloropropane                   | 25.0        | 23.4       |               | ug/L |   | 93   | 76 - 120 |
| 1,3-Dichlorobenzene                   | 25.0        | 22.2       |               | ug/L |   | 89   | 77 - 120 |
| 1,4-Dichlorobenzene                   | 25.0        | 21.6       |               | ug/L |   | 86   | 80 - 120 |
| 2-Butanone (MEK)                      | 125         | 122        |               | ug/L |   | 98   | 57 - 140 |
| 2-Hexanone                            | 125         | 127        |               | ug/L |   | 101  | 65 - 127 |
| 4-Methyl-2-pentanone (MIBK)           | 125         | 115        |               | ug/L |   | 92   | 71 - 125 |
| Acetone                               | 125         | 132        |               | ug/L |   | 106  | 56 - 142 |
| Benzene                               | 25.0        | 23.5       |               | ug/L |   | 94   | 71 - 124 |
| Bromodichloromethane                  | 25.0        | 25.5       |               | ug/L |   | 102  | 80 - 122 |
| Bromoform                             | 25.0        | 30.9       |               | ug/L |   | 123  | 61 - 132 |
| Bromomethane                          | 25.0        | 27.6       |               | ug/L |   | 110  | 55 - 144 |
| Carbon disulfide                      | 25.0        | 23.6       |               | ug/L |   | 94   | 59 - 134 |
| Carbon tetrachloride                  | 25.0        | 26.1       |               | ug/L |   | 104  | 72 - 134 |
| Chlorobenzene                         | 25.0        | 23.1       |               | ug/L |   | 92   | 80 - 120 |
| Chloroethane                          | 25.0        | 27.3       |               | ug/L |   | 109  | 69 - 136 |
| Chloroform                            | 25.0        | 25.0       |               | ug/L |   | 100  | 73 - 127 |
| Chloromethane                         | 25.0        | 26.4       |               | ug/L |   | 105  | 68 - 124 |
| cis-1,2-Dichloroethene                | 25.0        | 23.5       |               | ug/L |   | 94   | 74 - 124 |
| cis-1,3-Dichloropropene               | 25.0        | 21.6       |               | ug/L |   | 86   | 74 - 124 |
| Cyclohexane                           | 25.0        | 23.1       |               | ug/L |   | 93   | 59 - 135 |
| Dibromochloromethane                  | 25.0        | 27.0       |               | ug/L |   | 108  | 75 - 125 |
| Dichlorodifluoromethane               | 25.0        | 25.8       |               | ug/L |   | 103  | 59 - 135 |
| Ethylbenzene                          | 25.0        | 23.5       |               | ug/L |   | 94   | 77 - 123 |
| Isopropylbenzene                      | 25.0        | 21.8       |               | ug/L |   | 87   | 77 - 122 |
| Methyl acetate                        | 50.0        | 46.0       |               | ug/L |   | 92   | 74 - 133 |
| Methyl tert-butyl ether               | 25.0        | 22.3       |               | ug/L |   | 89   | 77 - 120 |
| Methylcyclohexane                     | 25.0        | 24.0       |               | ug/L |   | 96   | 68 - 134 |

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# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: LCS 480-758407/6**  
**Matrix: Water**  
**Analysis Batch: 758407**

**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        | 25.0       |               | ug/L |   | 100  | 75 - 124    |
| Styrene                   | 25.0        | 22.9       |               | ug/L |   | 92   | 80 - 120    |
| Tetrachloroethene         | 25.0        | 24.1       |               | ug/L |   | 96   | 74 - 122    |
| Toluene                   | 25.0        | 23.1       |               | ug/L |   | 92   | 80 - 122    |
| trans-1,2-Dichloroethene  | 25.0        | 24.4       |               | ug/L |   | 98   | 73 - 127    |
| trans-1,3-Dichloropropene | 25.0        | 21.6       |               | ug/L |   | 86   | 80 - 120    |
| Trichloroethene           | 25.0        | 24.4       |               | ug/L |   | 98   | 74 - 123    |
| Trichlorofluoromethane    | 25.0        | 31.0       |               | ug/L |   | 124  | 62 - 150    |
| Vinyl chloride            | 25.0        | 26.7       |               | ug/L |   | 107  | 65 - 133    |
| Xylenes, Total            | 50.0        | 46.9       |               | ug/L |   | 94   | 76 - 122    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 109           |               | 77 - 120 |
| 4-Bromofluorobenzene (Surr)  | 108           |               | 73 - 120 |
| Dibromofluoromethane (Surr)  | 108           |               | 75 - 123 |
| Toluene-d8 (Surr)            | 103           |               | 80 - 120 |

**Lab Sample ID: 480-232963-6 MS**  
**Matrix: Water**  
**Analysis Batch: 758407**

**Client Sample ID: MW4I**  
**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            |                  | 1000        | 1040      |              | ug/L |   | 104  | 73 - 126    |
| 1,1,1,2-Tetrachloroethane             | ND            |                  | 1000        | 901       |              | ug/L |   | 90   | 76 - 120    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |                  | 1000        | 1080      |              | ug/L |   | 108  | 61 - 148    |
| 1,1,2-Trichloroethane                 | ND            |                  | 1000        | 951       |              | ug/L |   | 95   | 76 - 122    |
| 1,1-Dichloroethane                    | ND            |                  | 1000        | 929       |              | ug/L |   | 93   | 77 - 120    |
| 1,1-Dichloroethene                    | 36            | J                | 1000        | 983       |              | ug/L |   | 95   | 66 - 127    |
| 1,2,4-Trichlorobenzene                | ND            |                  | 1000        | 848       |              | ug/L |   | 85   | 79 - 122    |
| 1,2-Dibromo-3-Chloropropane           | ND            |                  | 1000        | 884       |              | ug/L |   | 88   | 56 - 134    |
| 1,2-Dibromoethane                     | ND            |                  | 1000        | 924       |              | ug/L |   | 92   | 77 - 120    |
| 1,2-Dichlorobenzene                   | ND            |                  | 1000        | 916       |              | ug/L |   | 92   | 80 - 124    |
| 1,2-Dichloroethane                    | ND            |                  | 1000        | 992       |              | ug/L |   | 99   | 75 - 120    |
| 1,2-Dichloropropane                   | ND            |                  | 1000        | 927       |              | ug/L |   | 93   | 76 - 120    |
| 1,3-Dichlorobenzene                   | ND            |                  | 1000        | 894       |              | ug/L |   | 89   | 77 - 120    |
| 1,4-Dichlorobenzene                   | ND            |                  | 1000        | 879       |              | ug/L |   | 88   | 78 - 124    |
| 2-Butanone (MEK)                      | ND            |                  | 5000        | 4890      |              | ug/L |   | 98   | 57 - 140    |
| 2-Hexanone                            | ND            |                  | 5000        | 5110      |              | ug/L |   | 102  | 65 - 127    |
| 4-Methyl-2-pentanone (MIBK)           | ND            |                  | 5000        | 4750      |              | ug/L |   | 95   | 71 - 125    |
| Acetone                               | ND            |                  | 5000        | 4860      |              | ug/L |   | 97   | 56 - 142    |
| Benzene                               | ND            |                  | 1000        | 952       |              | ug/L |   | 95   | 71 - 124    |
| Bromodichloromethane                  | ND            |                  | 1000        | 1040      |              | ug/L |   | 104  | 80 - 122    |
| Bromoform                             | ND            |                  | 1000        | 1200      |              | ug/L |   | 120  | 61 - 132    |
| Bromomethane                          | ND            |                  | 1000        | 1120      |              | ug/L |   | 112  | 55 - 144    |
| Carbon disulfide                      | ND            |                  | 1000        | 987       |              | ug/L |   | 99   | 59 - 134    |
| Carbon tetrachloride                  | ND            |                  | 1000        | 1070      |              | ug/L |   | 107  | 72 - 134    |
| Chlorobenzene                         | ND            |                  | 1000        | 924       |              | ug/L |   | 92   | 80 - 120    |
| Chloroethane                          | ND            |                  | 1000        | 1140      |              | ug/L |   | 114  | 69 - 136    |

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# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: 480-232963-6 MS**

**Matrix: Water**

**Analysis Batch: 758407**

**Client Sample ID: MW41**

**Prep Type: Total/NA**

| Analyte                   | Sample | Sample    | Spike | MS     | MS        | Unit | D | %Rec | %Rec<br>Limits |
|---------------------------|--------|-----------|-------|--------|-----------|------|---|------|----------------|
|                           | Result | Qualifier | Added | Result | Qualifier |      |   |      |                |
| Chloroform                | ND     |           | 1000  | 995    |           | ug/L |   | 100  | 73 - 127       |
| Chloromethane             | ND     |           | 1000  | 1090   |           | ug/L |   | 109  | 68 - 124       |
| cis-1,2-Dichloroethene    | 3800   | F1        | 1000  | 3500   | F1        | ug/L |   | -30  | 74 - 124       |
| cis-1,3-Dichloropropene   | ND     |           | 1000  | 846    |           | ug/L |   | 85   | 74 - 124       |
| Cyclohexane               | ND     |           | 1000  | 967    |           | ug/L |   | 97   | 59 - 135       |
| Dibromochloromethane      | ND     |           | 1000  | 1080   |           | ug/L |   | 108  | 75 - 125       |
| Dichlorodifluoromethane   | ND     |           | 1000  | 1080   |           | ug/L |   | 108  | 59 - 135       |
| Ethylbenzene              | ND     |           | 1000  | 946    |           | ug/L |   | 95   | 77 - 123       |
| Isopropylbenzene          | ND     |           | 1000  | 903    |           | ug/L |   | 90   | 77 - 122       |
| Methyl acetate            | ND     |           | 2000  | 1830   |           | ug/L |   | 92   | 74 - 133       |
| Methyl tert-butyl ether   | ND     |           | 1000  | 896    |           | ug/L |   | 90   | 77 - 120       |
| Methylcyclohexane         | ND     |           | 1000  | 972    |           | ug/L |   | 97   | 68 - 134       |
| Methylene Chloride        | ND     |           | 1000  | 1010   |           | ug/L |   | 101  | 75 - 124       |
| Styrene                   | ND     |           | 1000  | 929    |           | ug/L |   | 93   | 80 - 120       |
| Tetrachloroethene         | 20     | J         | 1000  | 1000   |           | ug/L |   | 98   | 74 - 122       |
| Toluene                   | ND     |           | 1000  | 927    |           | ug/L |   | 93   | 80 - 122       |
| trans-1,2-Dichloroethene  | ND     |           | 1000  | 998    |           | ug/L |   | 100  | 73 - 127       |
| trans-1,3-Dichloropropene | ND     |           | 1000  | 803    |           | ug/L |   | 80   | 80 - 120       |
| Trichloroethene           | ND     |           | 1000  | 987    |           | ug/L |   | 99   | 74 - 123       |
| Trichlorofluoromethane    | ND     |           | 1000  | 1300   |           | ug/L |   | 130  | 62 - 150       |
| Vinyl chloride            | 550    |           | 1000  | 1440   |           | ug/L |   | 90   | 65 - 133       |
| Xylenes, Total            | ND     |           | 2000  | 1880   |           | ug/L |   | 94   | 76 - 122       |

| Surrogate                    | MS        | MS        | Limits   |
|------------------------------|-----------|-----------|----------|
|                              | %Recovery | Qualifier |          |
| 1,2-Dichloroethane-d4 (Surr) | 108       |           | 77 - 120 |
| 4-Bromofluorobenzene (Surr)  | 107       |           | 73 - 120 |
| Dibromofluoromethane (Surr)  | 105       |           | 75 - 123 |
| Toluene-d8 (Surr)            | 104       |           | 80 - 120 |

**Lab Sample ID: 480-232963-6 MSD**

**Matrix: Water**

**Analysis Batch: 758407**

**Client Sample ID: MW41**

**Prep Type: Total/NA**

| Analyte                               | Sample | Sample    | Spike | MSD    | MSD       | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------------------------|--------|-----------|-------|--------|-----------|------|---|------|----------------|-----|--------------|
|                                       | Result | Qualifier | Added | Result | Qualifier |      |   |      |                |     |              |
| 1,1,1-Trichloroethane                 | ND     |           | 1000  | 991    |           | ug/L |   | 99   | 73 - 126       | 4   | 15           |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1000  | 940    |           | ug/L |   | 94   | 76 - 120       | 4   | 15           |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1000  | 907    |           | ug/L |   | 91   | 61 - 148       | 18  | 20           |
| 1,1,2-Trichloroethane                 | ND     |           | 1000  | 950    |           | ug/L |   | 95   | 76 - 122       | 0   | 15           |
| 1,1-Dichloroethane                    | ND     |           | 1000  | 911    |           | ug/L |   | 91   | 77 - 120       | 2   | 20           |
| 1,1-Dichloroethene                    | 36     | J         | 1000  | 958    |           | ug/L |   | 92   | 66 - 127       | 3   | 16           |
| 1,2,4-Trichlorobenzene                | ND     |           | 1000  | 881    |           | ug/L |   | 88   | 79 - 122       | 4   | 20           |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1000  | 895    |           | ug/L |   | 90   | 56 - 134       | 1   | 15           |
| 1,2-Dibromoethane                     | ND     |           | 1000  | 901    |           | ug/L |   | 90   | 77 - 120       | 3   | 15           |
| 1,2-Dichlorobenzene                   | ND     |           | 1000  | 923    |           | ug/L |   | 92   | 80 - 124       | 1   | 20           |
| 1,2-Dichloroethane                    | ND     |           | 1000  | 961    |           | ug/L |   | 96   | 75 - 120       | 3   | 20           |
| 1,2-Dichloropropane                   | ND     |           | 1000  | 911    |           | ug/L |   | 91   | 76 - 120       | 2   | 20           |
| 1,3-Dichlorobenzene                   | ND     |           | 1000  | 920    |           | ug/L |   | 92   | 77 - 120       | 3   | 20           |
| 1,4-Dichlorobenzene                   | ND     |           | 1000  | 891    |           | ug/L |   | 89   | 78 - 124       | 1   | 20           |

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# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: 480-232963-6 MSD**  
**Matrix: Water**  
**Analysis Batch: 758407**

**Client Sample ID: MW41**  
**Prep Type: Total/NA**

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| 2-Butanone (MEK)            | ND            |                  | 5000        | 4790       |               | ug/L |   | 96   | 57 - 140    | 2   | 20        |
| 2-Hexanone                  | ND            |                  | 5000        | 5120       |               | ug/L |   | 102  | 65 - 127    | 0   | 15        |
| 4-Methyl-2-pentanone (MIBK) | ND            |                  | 5000        | 4630       |               | ug/L |   | 93   | 71 - 125    | 3   | 35        |
| Acetone                     | ND            |                  | 5000        | 4740       |               | ug/L |   | 95   | 56 - 142    | 2   | 15        |
| Benzene                     | ND            |                  | 1000        | 912        |               | ug/L |   | 91   | 71 - 124    | 4   | 13        |
| Bromodichloromethane        | ND            |                  | 1000        | 1020       |               | ug/L |   | 102  | 80 - 122    | 1   | 15        |
| Bromoform                   | ND            |                  | 1000        | 1190       |               | ug/L |   | 119  | 61 - 132    | 0   | 15        |
| Bromomethane                | ND            |                  | 1000        | 1100       |               | ug/L |   | 110  | 55 - 144    | 2   | 15        |
| Carbon disulfide            | ND            |                  | 1000        | 932        |               | ug/L |   | 93   | 59 - 134    | 6   | 15        |
| Carbon tetrachloride        | ND            |                  | 1000        | 981        |               | ug/L |   | 98   | 72 - 134    | 8   | 15        |
| Chlorobenzene               | ND            |                  | 1000        | 904        |               | ug/L |   | 90   | 80 - 120    | 2   | 25        |
| Chloroethane                | ND            |                  | 1000        | 1110       |               | ug/L |   | 111  | 69 - 136    | 3   | 15        |
| Chloroform                  | ND            |                  | 1000        | 993        |               | ug/L |   | 99   | 73 - 127    | 0   | 20        |
| Chloromethane               | ND            |                  | 1000        | 1030       |               | ug/L |   | 103  | 68 - 124    | 6   | 15        |
| cis-1,2-Dichloroethene      | 3800          | F1               | 1000        | 3330       | F1            | ug/L |   | -46  | 74 - 124    | 5   | 15        |
| cis-1,3-Dichloropropene     | ND            |                  | 1000        | 803        |               | ug/L |   | 80   | 74 - 124    | 5   | 15        |
| Cyclohexane                 | ND            |                  | 1000        | 931        |               | ug/L |   | 93   | 59 - 135    | 4   | 20        |
| Dibromochloromethane        | ND            |                  | 1000        | 1090       |               | ug/L |   | 109  | 75 - 125    | 1   | 15        |
| Dichlorodifluoromethane     | ND            |                  | 1000        | 1050       |               | ug/L |   | 105  | 59 - 135    | 2   | 20        |
| Ethylbenzene                | ND            |                  | 1000        | 933        |               | ug/L |   | 93   | 77 - 123    | 1   | 15        |
| Isopropylbenzene            | ND            |                  | 1000        | 926        |               | ug/L |   | 93   | 77 - 122    | 2   | 20        |
| Methyl acetate              | ND            |                  | 2000        | 1790       |               | ug/L |   | 90   | 74 - 133    | 2   | 20        |
| Methyl tert-butyl ether     | ND            |                  | 1000        | 879        |               | ug/L |   | 88   | 77 - 120    | 2   | 37        |
| Methylcyclohexane           | ND            |                  | 1000        | 937        |               | ug/L |   | 94   | 68 - 134    | 4   | 20        |
| Methylene Chloride          | ND            |                  | 1000        | 975        |               | ug/L |   | 98   | 75 - 124    | 4   | 15        |
| Styrene                     | ND            |                  | 1000        | 909        |               | ug/L |   | 91   | 80 - 120    | 2   | 20        |
| Tetrachloroethene           | 20            | J                | 1000        | 947        |               | ug/L |   | 93   | 74 - 122    | 6   | 20        |
| Toluene                     | ND            |                  | 1000        | 921        |               | ug/L |   | 92   | 80 - 122    | 1   | 15        |
| trans-1,2-Dichloroethene    | ND            |                  | 1000        | 926        |               | ug/L |   | 93   | 73 - 127    | 7   | 20        |
| trans-1,3-Dichloropropene   | ND            |                  | 1000        | 795        |               | ug/L |   | 80   | 80 - 120    | 1   | 15        |
| Trichloroethene             | ND            |                  | 1000        | 947        |               | ug/L |   | 95   | 74 - 123    | 4   | 16        |
| Trichlorofluoromethane      | ND            |                  | 1000        | 1280       |               | ug/L |   | 128  | 62 - 150    | 1   | 20        |
| Vinyl chloride              | 550           |                  | 1000        | 1400       |               | ug/L |   | 85   | 65 - 133    | 3   | 15        |
| Xylenes, Total              | ND            |                  | 2000        | 1840       |               | ug/L |   | 92   | 76 - 122    | 2   | 16        |

| Surrogate                    | MSD %Recovery | MSD Qualifier | MSD Limits |
|------------------------------|---------------|---------------|------------|
| 1,2-Dichloroethane-d4 (Surr) | 106           |               | 77 - 120   |
| 4-Bromofluorobenzene (Surr)  | 105           |               | 73 - 120   |
| Dibromofluoromethane (Surr)  | 108           |               | 75 - 123   |
| Toluene-d8 (Surr)            | 106           |               | 80 - 120   |

**Lab Sample ID: MB 480-758501/8**  
**Matrix: Water**  
**Analysis Batch: 758501**

**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 |   |          | 10/01/25 12:44 | 1       |
| 1,1,1,2-Tetrachloroethane | ND        |              | 1.0 | 0.21 | ug/L |   |          | 10/01/25 12:44 | 1       |

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# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: MB 480-758501/8**  
**Matrix: Water**  
**Analysis Batch: 758501**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

| Analyte                               | MB     | MB        | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
|                                       | Result | Qualifier |     |      |      |   |          |                |         |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.0 | 0.31 | ug/L |   |          | 10/01/25 12:44 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 1.0 | 0.23 | ug/L |   |          | 10/01/25 12:44 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 1.0 | 0.38 | ug/L |   |          | 10/01/25 12:44 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 1.0 | 0.29 | ug/L |   |          | 10/01/25 12:44 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.0 | 0.41 | ug/L |   |          | 10/01/25 12:44 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0 | 0.39 | ug/L |   |          | 10/01/25 12:44 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | 0.73 | ug/L |   |          | 10/01/25 12:44 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | 0.79 | ug/L |   |          | 10/01/25 12:44 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 1.0 | 0.21 | ug/L |   |          | 10/01/25 12:44 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | 0.72 | ug/L |   |          | 10/01/25 12:44 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | 0.78 | ug/L |   |          | 10/01/25 12:44 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | 0.84 | ug/L |   |          | 10/01/25 12:44 | 1       |
| 2-Butanone (MEK)                      | ND     |           | 10  | 1.3  | ug/L |   |          | 10/01/25 12:44 | 1       |
| 2-Hexanone                            | ND     |           | 5.0 | 1.2  | ug/L |   |          | 10/01/25 12:44 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND     |           | 5.0 | 2.1  | ug/L |   |          | 10/01/25 12:44 | 1       |
| Acetone                               | ND     |           | 10  | 3.0  | ug/L |   |          | 10/01/25 12:44 | 1       |
| Benzene                               | ND     |           | 1.0 | 0.41 | ug/L |   |          | 10/01/25 12:44 | 1       |
| Bromodichloromethane                  | ND     |           | 1.0 | 0.39 | ug/L |   |          | 10/01/25 12:44 | 1       |
| Bromoform                             | ND     |           | 1.0 | 0.26 | ug/L |   |          | 10/01/25 12:44 | 1       |
| Bromomethane                          | ND     |           | 1.0 | 0.69 | ug/L |   |          | 10/01/25 12:44 | 1       |
| Carbon disulfide                      | ND     |           | 1.0 | 0.19 | ug/L |   |          | 10/01/25 12:44 | 1       |
| Carbon tetrachloride                  | ND     |           | 1.0 | 0.27 | ug/L |   |          | 10/01/25 12:44 | 1       |
| Chlorobenzene                         | ND     |           | 1.0 | 0.75 | ug/L |   |          | 10/01/25 12:44 | 1       |
| Chloroethane                          | ND     |           | 1.0 | 0.32 | ug/L |   |          | 10/01/25 12:44 | 1       |
| Chloroform                            | ND     |           | 1.0 | 0.34 | ug/L |   |          | 10/01/25 12:44 | 1       |
| Chloromethane                         | ND     |           | 1.0 | 0.35 | ug/L |   |          | 10/01/25 12:44 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 1.0 | 0.81 | ug/L |   |          | 10/01/25 12:44 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 1.0 | 0.36 | ug/L |   |          | 10/01/25 12:44 | 1       |
| Cyclohexane                           | ND     |           | 1.0 | 0.18 | ug/L |   |          | 10/01/25 12:44 | 1       |
| Dibromochloromethane                  | ND     |           | 1.0 | 0.32 | ug/L |   |          | 10/01/25 12:44 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0 | 0.68 | ug/L |   |          | 10/01/25 12:44 | 1       |
| Ethylbenzene                          | ND     |           | 1.0 | 0.74 | ug/L |   |          | 10/01/25 12:44 | 1       |
| Isopropylbenzene                      | ND     |           | 1.0 | 0.79 | ug/L |   |          | 10/01/25 12:44 | 1       |
| Methyl acetate                        | ND     |           | 2.5 | 1.3  | ug/L |   |          | 10/01/25 12:44 | 1       |
| Methyl tert-butyl ether               | ND     |           | 1.0 | 0.16 | ug/L |   |          | 10/01/25 12:44 | 1       |
| Methylcyclohexane                     | ND     |           | 1.0 | 0.16 | ug/L |   |          | 10/01/25 12:44 | 1       |
| Methylene Chloride                    | ND     |           | 1.0 | 0.44 | ug/L |   |          | 10/01/25 12:44 | 1       |
| Styrene                               | ND     |           | 1.0 | 0.73 | ug/L |   |          | 10/01/25 12:44 | 1       |
| Tetrachloroethene                     | ND     |           | 1.0 | 0.36 | ug/L |   |          | 10/01/25 12:44 | 1       |
| Toluene                               | ND     |           | 1.0 | 0.51 | ug/L |   |          | 10/01/25 12:44 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.0 | 0.90 | ug/L |   |          | 10/01/25 12:44 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 1.0 | 0.37 | ug/L |   |          | 10/01/25 12:44 | 1       |
| Trichloroethene                       | ND     |           | 1.0 | 0.46 | ug/L |   |          | 10/01/25 12:44 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.0 | 0.88 | ug/L |   |          | 10/01/25 12:44 | 1       |
| Vinyl chloride                        | ND     |           | 1.0 | 0.90 | ug/L |   |          | 10/01/25 12:44 | 1       |
| Xylenes, Total                        | ND     |           | 2.0 | 0.66 | ug/L |   |          | 10/01/25 12:44 | 1       |

# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: MB 480-758501/8**  
**Matrix: Water**  
**Analysis Batch: 758501**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

| Surrogate                    | MB MB     |           | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
|                              | %Recovery | Qualifier |          |          |                |         |
| 1,2-Dichloroethane-d4 (Surr) | 105       |           | 77 - 120 |          | 10/01/25 12:44 | 1       |
| 4-Bromofluorobenzene (Surr)  | 101       |           | 73 - 120 |          | 10/01/25 12:44 | 1       |
| Dibromofluoromethane (Surr)  | 102       |           | 75 - 123 |          | 10/01/25 12:44 | 1       |
| Toluene-d8 (Surr)            | 97        |           | 80 - 120 |          | 10/01/25 12:44 | 1       |

**Lab Sample ID: LCS 480-758501/6**  
**Matrix: Water**  
**Analysis Batch: 758501**

**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        | 25.9       |               | ug/L |   | 104  | 73 - 126 |
| 1,1,1,2-Tetrachloroethane             | 25.0        | 21.9       |               | ug/L |   | 88   | 76 - 120 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 25.0        | 26.3       |               | ug/L |   | 105  | 61 - 148 |
| 1,1,2-Trichloroethane                 | 25.0        | 21.4       |               | ug/L |   | 86   | 76 - 122 |
| 1,1-Dichloroethane                    | 25.0        | 23.5       |               | ug/L |   | 94   | 77 - 120 |
| 1,1-Dichloroethene                    | 25.0        | 23.7       |               | ug/L |   | 95   | 66 - 127 |
| 1,2,4-Trichlorobenzene                | 25.0        | 21.3       |               | ug/L |   | 85   | 79 - 122 |
| 1,2-Dibromo-3-Chloropropane           | 25.0        | 20.8       |               | ug/L |   | 83   | 56 - 134 |
| 1,2-Dibromoethane                     | 25.0        | 22.3       |               | ug/L |   | 89   | 77 - 120 |
| 1,2-Dichlorobenzene                   | 25.0        | 22.6       |               | ug/L |   | 90   | 80 - 124 |
| 1,2-Dichloroethane                    | 25.0        | 24.6       |               | ug/L |   | 98   | 75 - 120 |
| 1,2-Dichloropropane                   | 25.0        | 23.4       |               | ug/L |   | 94   | 76 - 120 |
| 1,3-Dichlorobenzene                   | 25.0        | 22.1       |               | ug/L |   | 88   | 77 - 120 |
| 1,4-Dichlorobenzene                   | 25.0        | 21.8       |               | ug/L |   | 87   | 80 - 120 |
| 2-Butanone (MEK)                      | 125         | 124        |               | ug/L |   | 99   | 57 - 140 |
| 2-Hexanone                            | 125         | 124        |               | ug/L |   | 99   | 65 - 127 |
| 4-Methyl-2-pentanone (MIBK)           | 125         | 111        |               | ug/L |   | 89   | 71 - 125 |
| Acetone                               | 125         | 143        |               | ug/L |   | 115  | 56 - 142 |
| Benzene                               | 25.0        | 23.5       |               | ug/L |   | 94   | 71 - 124 |
| Bromodichloromethane                  | 25.0        | 26.8       |               | ug/L |   | 107  | 80 - 122 |
| Bromoform                             | 25.0        | 29.2       |               | ug/L |   | 117  | 61 - 132 |
| Bromomethane                          | 25.0        | 28.4       |               | ug/L |   | 113  | 55 - 144 |
| Carbon disulfide                      | 25.0        | 23.8       |               | ug/L |   | 95   | 59 - 134 |
| Carbon tetrachloride                  | 25.0        | 26.1       |               | ug/L |   | 104  | 72 - 134 |
| Chlorobenzene                         | 25.0        | 22.6       |               | ug/L |   | 90   | 80 - 120 |
| Chloroethane                          | 25.0        | 27.1       |               | ug/L |   | 108  | 69 - 136 |
| Chloroform                            | 25.0        | 24.7       |               | ug/L |   | 99   | 73 - 127 |
| Chloromethane                         | 25.0        | 26.7       |               | ug/L |   | 107  | 68 - 124 |
| cis-1,2-Dichloroethene                | 25.0        | 23.6       |               | ug/L |   | 95   | 74 - 124 |
| cis-1,3-Dichloropropene               | 25.0        | 22.5       |               | ug/L |   | 90   | 74 - 124 |
| Cyclohexane                           | 25.0        | 23.8       |               | ug/L |   | 95   | 59 - 135 |
| Dibromochloromethane                  | 25.0        | 26.9       |               | ug/L |   | 108  | 75 - 125 |
| Dichlorodifluoromethane               | 25.0        | 26.3       |               | ug/L |   | 105  | 59 - 135 |
| Ethylbenzene                          | 25.0        | 22.8       |               | ug/L |   | 91   | 77 - 123 |
| Isopropylbenzene                      | 25.0        | 21.9       |               | ug/L |   | 88   | 77 - 122 |
| Methyl acetate                        | 50.0        | 45.2       |               | ug/L |   | 90   | 74 - 133 |
| Methyl tert-butyl ether               | 25.0        | 22.3       |               | ug/L |   | 89   | 77 - 120 |
| Methylcyclohexane                     | 25.0        | 24.6       |               | ug/L |   | 98   | 68 - 134 |

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# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: LCS 480-758501/6**  
**Matrix: Water**  
**Analysis Batch: 758501**

**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        | 24.9       |               | ug/L |   | 100  | 75 - 124    |
| Styrene                   | 25.0        | 22.1       |               | ug/L |   | 88   | 80 - 120    |
| Tetrachloroethene         | 25.0        | 23.9       |               | ug/L |   | 95   | 74 - 122    |
| Toluene                   | 25.0        | 21.8       |               | ug/L |   | 87   | 80 - 122    |
| trans-1,2-Dichloroethene  | 25.0        | 24.1       |               | ug/L |   | 96   | 73 - 127    |
| trans-1,3-Dichloropropene | 25.0        | 20.5       |               | ug/L |   | 82   | 80 - 120    |
| Trichloroethene           | 25.0        | 24.3       |               | ug/L |   | 97   | 74 - 123    |
| Trichlorofluoromethane    | 25.0        | 32.3       |               | ug/L |   | 129  | 62 - 150    |
| Vinyl chloride            | 25.0        | 27.2       |               | ug/L |   | 109  | 65 - 133    |
| Xylenes, Total            | 50.0        | 44.9       |               | ug/L |   | 90   | 76 - 122    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 114           |               | 77 - 120 |
| 4-Bromofluorobenzene (Surr)  | 105           |               | 73 - 120 |
| Dibromofluoromethane (Surr)  | 111           |               | 75 - 123 |
| Toluene-d8 (Surr)            | 101           |               | 80 - 120 |

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

**Lab Sample ID: MB 480-758460/4**  
**Matrix: Water**  
**Analysis Batch: 758460**

**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 |   |          | 10/01/25 07:12 | 1       |
| Ethane  | ND        |              | 7.5 | 1.5 | ug/L |   |          | 10/01/25 07:12 | 1       |
| Ethene  | ND        |              | 7.0 | 1.5 | ug/L |   |          | 10/01/25 07:12 | 1       |

**Lab Sample ID: LCS 480-758460/5**  
**Matrix: Water**  
**Analysis Batch: 758460**

**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        | 18.6       |               | ug/L |   | 96   | 85 - 120    |
| Ethane  | 36.5        | 35.1       |               | ug/L |   | 96   | 79 - 120    |
| Ethene  | 34.0        | 32.2       |               | ug/L |   | 95   | 85 - 120    |

**Lab Sample ID: LCSD 480-758460/6**  
**Matrix: Water**  
**Analysis Batch: 758460**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Methane | 19.5        | 19.7        |                | ug/L |   | 101  | 85 - 120    | 6   | 50        |
| Ethane  | 36.5        | 36.9        |                | ug/L |   | 101  | 79 - 120    | 5   | 50        |
| Ethene  | 34.0        | 33.3        |                | ug/L |   | 98   | 85 - 120    | 3   | 50        |

# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: MB 410-707351/16-A**  
**Matrix: Water**  
**Analysis Batch: 707164**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 707351**

| Analyte                                                               | MB     | MB        | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------------------------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
|                                                                       | Result | Qualifier |     |      |      |   |                |                |         |
| 11-Chloroeicosafuoro-3-oxaundecan<br>e-1-sulfonic acid (11Cl-PF3OUdS) | ND     |           | 2.0 | 0.50 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| 1H,1H,2H,2H-Perfluorodecane<br>sulfonic acid (8:2 FTS)                | ND     |           | 4.0 | 1.0  | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| 1H,1H,2H,2H-Perfluorohexane<br>sulfonic acid (4:2 FTS)                | ND     |           | 4.0 | 1.0  | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| 1H,1H,2H,2H-Perfluorooctane sulfonic<br>acid (6:2 FTS)                | ND     |           | 4.0 | 1.0  | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| 3-Perfluoroheptylpropanoic acid (7:3<br>FTCA)                         | ND     |           | 10  | 2.5  | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| 3-Perfluoropentylpropanoic acid (5:3<br>FTCA)                         | ND     |           | 10  | 2.8  | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| 3-Perfluoropropylpropanoic acid (3:3<br>FTCA)                         | ND     |           | 4.0 | 1.0  | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| 4,8-Dioxa-3H-perfluorononanoic acid<br>(ADONA)                        | ND     |           | 2.0 | 0.50 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| 9-Chlorohexadecafluoro-3-oxanonan<br>e-1-sulfonic acid (9Cl-PF3ONS)   | ND     |           | 2.0 | 0.50 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| Hexafluoropropylene Oxide Dimer<br>Acid (HFPO-DA)                     | ND     |           | 2.0 | 1.4  | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| N-ethylperfluorooctane sulfonamide<br>(NEtFOSA)                       | ND     |           | 2.0 | 0.50 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| N-ethylperfluorooctane<br>sulfonamidoethanol (NEtFOSE)                | ND     |           | 10  | 4.0  | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| N-ethylperfluorooctanesulfonamidoac<br>etic acid (NEtFOSAA)           | ND     |           | 2.0 | 0.50 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| N-methylperfluorooctane sulfonamide<br>(NMeFOSA)                      | ND     |           | 2.0 | 0.50 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| N-methylperfluorooctane<br>sulfonamidoethanol (NMeFOSE)               | ND     |           | 10  | 2.5  | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| N-methylperfluorooctanesulfonamidoa<br>cetic acid (NMeFOSAA)          | ND     |           | 2.0 | 0.50 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| Nonafluoro-3,6-dioxaheptanoic acid<br>(NFDHA)                         | ND     |           | 2.0 | 0.50 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| Perfluoro (2-ethoxyethane) sulfonic<br>acid (PFEESA)                  | ND     |           | 2.0 | 0.50 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| Perfluoro-3-methoxypropanoic acid<br>(PFMPA)                          | ND     |           | 2.0 | 0.50 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| Perfluoro-4-methoxybutanoic acid<br>(PFMBA)                           | ND     |           | 2.0 | 0.50 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| Perfluorobutanesulfonic acid (PFBS)                                   | ND     |           | 2.0 | 0.50 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| Perfluorobutanoic acid (PFBA)                                         | ND     |           | 4.0 | 1.1  | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| Perfluorodecanesulfonic acid (PFDS)                                   | ND     |           | 2.0 | 0.50 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| Perfluorodecanoic acid (PFDA)                                         | ND     |           | 2.0 | 0.50 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| Perfluorododecanesulfonic acid<br>(PFDoS)                             | ND     |           | 2.0 | 0.60 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| Perfluorododecanoic acid (PFDoA)                                      | ND     |           | 2.0 | 0.50 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| Perfluoroheptanesulfonic acid<br>(PFHpS)                              | ND     |           | 2.0 | 0.50 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| Perfluoroheptanoic acid (PFHpA)                                       | ND     |           | 2.0 | 0.80 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| Perfluorohexanesulfonic acid (PFHxS)                                  | ND     |           | 2.0 | 0.80 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| Perfluorohexanoic acid (PFHxA)                                        | ND     |           | 2.0 | 0.50 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| Perfluorononanesulfonic acid (PFNS)                                   | ND     |           | 2.0 | 0.50 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| Perfluorononanoic acid (PFNA)                                         | ND     |           | 2.0 | 0.50 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |

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# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: MB 410-707351/16-A**  
**Matrix: Water**  
**Analysis Batch: 707164**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 707351**

| Analyte                               | MB     | MB        | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
|                                       | Result | Qualifier |     |      |      |   |                |                |         |
| Perfluorooctanesulfonamide (PFOSA)    | ND     |           | 2.0 | 0.50 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| Perfluorooctanesulfonic acid (PFOS)   | ND     |           | 2.0 | 1.3  | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| Perfluorooctanoic acid (PFOA)         | ND     |           | 2.0 | 0.90 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| Perfluoropentanesulfonic acid (PFPeS) | ND     |           | 2.0 | 0.50 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| Perfluoropentanoic acid (PFPeA)       | ND     |           | 2.0 | 0.60 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| Perfluorotetradecanoic acid (PFTeDA)  | ND     |           | 2.0 | 0.50 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| Perfluorotridecanoic acid (PFTrDA)    | ND     |           | 2.0 | 0.50 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| Perfluoroundecanoic acid (PFUnA)      | ND     |           | 2.0 | 0.50 | ng/L |   | 10/01/25 08:35 | 10/02/25 02:22 | 1       |

| Isotope Dilution | MB        | MB        | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
|                  | %Recovery | Qualifier |          |                |                |         |
| 13C2 4:2 FTS     | 123       |           | 40 - 200 | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| 13C2 6:2 FTS     | 134       |           | 40 - 200 | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| 13C2 8:2 FTS     | 141       |           | 40 - 300 | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| 13C2 PFDoA       | 97.7      |           | 10 - 130 | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| 13C2 PFTeDA      | 86.4      |           | 10 - 130 | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| 13C3 HFPO-DA     | 111       |           | 40 - 130 | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| 13C3 PFBS        | 106       |           | 40 - 135 | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| 13C3 PFHxS       | 105       |           | 40 - 130 | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| 13C4 PFBA        | 114       |           | 5 - 130  | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| 13C4 PFHpA       | 108       |           | 40 - 130 | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| 13C5 PFHxA       | 108       |           | 40 - 130 | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| 13C5 PFPeA       | 104       |           | 40 - 130 | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| 13C6 PFDA        | 101       |           | 40 - 130 | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| 13C7 PFUnA       | 90.6      |           | 30 - 130 | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| 13C8 FOSA        | 111       |           | 40 - 130 | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| 13C8 PFOA        | 112       |           | 40 - 130 | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| 13C8 PFOS        | 102       |           | 40 - 130 | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| 13C9 PFNA        | 108       |           | 40 - 130 | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| d3-NMeFOSAA      | 105       |           | 40 - 170 | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| d3-NMePFOSA      | 87.5      |           | 10 - 130 | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| d5-NEtFOSAA      | 99.9      |           | 25 - 135 | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| d5-NEtPFOSA      | 79.2      |           | 10 - 130 | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| d7-N-MeFOSE-M    | 108       |           | 10 - 130 | 10/01/25 08:35 | 10/02/25 02:22 | 1       |
| d9-N-EtFOSE-M    | 89.6      |           | 10 - 130 | 10/01/25 08:35 | 10/02/25 02:22 | 1       |

**Lab Sample ID: LCS 410-707351/17-A**  
**Matrix: Water**  
**Analysis Batch: 707164**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 707351**

| Analyte                                                           | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits   |
|-------------------------------------------------------------------|-------------|------------|---------------|------|---|------|----------|
|                                                                   |             |            |               |      |   |      |          |
| 11-Chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | 37.8        | 31.3       |               | ng/L |   | 83   | 55 - 160 |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)               | 76.8        | 66.8       |               | ng/L |   | 87   | 60 - 150 |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)               | 75.0        | 67.0       |               | ng/L |   | 89   | 70 - 145 |
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)               | 76.2        | 66.8       |               | ng/L |   | 88   | 65 - 155 |

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# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: LCS 410-707351/17-A**  
**Matrix: Water**  
**Analysis Batch: 707164**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 707351**

| Analyte                                                         | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------------------------------------------|-------------|------------|---------------|------|---|------|-------------|
| 3-Perfluoroheptylpropanoic acid (7:3 FTCA)                      | 200         | 116        |               | ng/L |   | 58   | 50 - 145    |
| 3-Perfluoropentylpropanoic acid (5:3 FTCA)                      | 200         | 122        | *-            | ng/L |   | 61   | 70 - 135    |
| 3-Perfluoropropylpropanoic acid (3:3 FTCA)                      | 80.0        | 63.0       |               | ng/L |   | 79   | 65 - 130    |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA)                     | 37.8        | 30.5       |               | ng/L |   | 81   | 65 - 145    |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) | 37.4        | 32.3       |               | ng/L |   | 87   | 70 - 155    |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)                  | 30.0        | 24.4       |               | ng/L |   | 81   | 70 - 140    |
| N-ethylperfluorooctane sulfonamide (NEtFOSA)                    | 40.0        | 35.6       |               | ng/L |   | 89   | 65 - 145    |
| N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)             | 200         | 186        |               | ng/L |   | 93   | 70 - 135    |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)         | 40.0        | 36.0       |               | ng/L |   | 90   | 70 - 145    |
| N-methylperfluorooctane sulfonamide (NMeFOSA)                   | 40.0        | 35.1       |               | ng/L |   | 88   | 60 - 150    |
| N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)            | 200         | 169        |               | ng/L |   | 85   | 70 - 145    |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)        | 40.0        | 34.0       |               | ng/L |   | 85   | 50 - 140    |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)                      | 40.0        | 32.7       |               | ng/L |   | 82   | 50 - 150    |
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)              | 35.7        | 32.9       |               | ng/L |   | 92   | 70 - 140    |
| Perfluoro-3-methoxypropanoic acid (PFMPA)                       | 40.0        | 37.2       |               | ng/L |   | 93   | 55 - 140    |
| Perfluoro-4-methoxybutanoic acid (PFMBA)                        | 40.0        | 33.8       |               | ng/L |   | 84   | 60 - 150    |
| Perfluorobutanesulfonic acid (PFBS)                             | 35.5        | 31.1       |               | ng/L |   | 88   | 60 - 145    |
| Perfluorobutanoic acid (PFBA)                                   | 80.0        | 64.8       |               | ng/L |   | 81   | 70 - 140    |
| Perfluorodecanesulfonic acid (PFDS)                             | 38.6        | 31.1       |               | ng/L |   | 81   | 60 - 145    |
| Perfluorodecanoic acid (PFDA)                                   | 40.0        | 32.1       |               | ng/L |   | 80   | 70 - 140    |
| Perfluorododecanesulfonic acid (PFDoS)                          | 38.8        | 28.7       |               | ng/L |   | 74   | 50 - 145    |
| Perfluorododecanoic acid (PFDoA)                                | 40.0        | 35.6       |               | ng/L |   | 89   | 70 - 140    |
| Perfluoroheptanesulfonic acid (PFHpS)                           | 38.2        | 36.3       |               | ng/L |   | 95   | 70 - 150    |
| Perfluoroheptanoic acid (PFHpA)                                 | 40.0        | 34.7       |               | ng/L |   | 87   | 70 - 150    |
| Perfluorohexanesulfonic acid (PFHxS)                            | 36.5        | 30.8       |               | ng/L |   | 84   | 65 - 145    |
| Perfluorohexanoic acid (PFHxA)                                  | 40.0        | 33.8       |               | ng/L |   | 84   | 70 - 145    |
| Perfluorononanesulfonic acid (PFNS)                             | 38.5        | 33.6       |               | ng/L |   | 87   | 65 - 145    |
| Perfluorononanoic acid (PFNA)                                   | 40.0        | 32.9       |               | ng/L |   | 82   | 70 - 150    |
| Perfluorooctanesulfonamide (PFOSA)                              | 40.0        | 35.4       |               | ng/L |   | 89   | 70 - 145    |

# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: LCS 410-707351/17-A**  
**Matrix: Water**  
**Analysis Batch: 707164**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 707351**

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|-------------|
| Perfluorooctanesulfonic acid (PFOS)   | 37.2        | 31.9       |               | ng/L |   | 86   | 55 - 150    |
| Perfluorooctanoic acid (PFOA)         | 40.0        | 34.1       |               | ng/L |   | 85   | 70 - 150    |
| Perfluoropentanesulfonic acid (PFPeS) | 37.6        | 32.2       |               | ng/L |   | 86   | 65 - 140    |
| Perfluoropentanoic acid (PFPeA)       | 40.0        | 34.4       |               | ng/L |   | 86   | 65 - 135    |
| Perfluorotetradecanoic acid (PFTeDA)  | 40.0        | 36.6       |               | ng/L |   | 92   | 60 - 140    |
| Perfluorotridecanoic acid (PFTrDA)    | 40.0        | 33.6       |               | ng/L |   | 84   | 65 - 140    |
| Perfluoroundecanoic acid (PFUnA)      | 40.0        | 35.4       |               | ng/L |   | 89   | 70 - 145    |

| Isotope Dilution | LCS %Recovery | LCS Qualifier | Limits   |
|------------------|---------------|---------------|----------|
| 13C2 4:2 FTS     | 112           |               | 40 - 200 |
| 13C2 6:2 FTS     | 121           |               | 40 - 200 |
| 13C2 8:2 FTS     | 126           |               | 40 - 300 |
| 13C2 PFDoA       | 92.9          |               | 10 - 130 |
| 13C2 PFTeDA      | 85.7          |               | 10 - 130 |
| 13C3 HFPO-DA     | 115           |               | 40 - 130 |
| 13C3 PFBS        | 108           |               | 40 - 135 |
| 13C3 PFHxS       | 105           |               | 40 - 130 |
| 13C4 PFBA        | 110           |               | 5 - 130  |
| 13C4 PFHpA       | 106           |               | 40 - 130 |
| 13C5 PFHxA       | 104           |               | 40 - 130 |
| 13C5 PFPeA       | 103           |               | 40 - 130 |
| 13C6 PFDA        | 99.0          |               | 40 - 130 |
| 13C7 PFUnA       | 86.9          |               | 30 - 130 |
| 13C8 FOSA        | 106           |               | 40 - 130 |
| 13C8 PFOA        | 102           |               | 40 - 130 |
| 13C8 PFOS        | 96.9          |               | 40 - 130 |
| 13C9 PFNA        | 103           |               | 40 - 130 |
| d3-NMeFOSAA      | 102           |               | 40 - 170 |
| d3-NMePFOSA      | 89.7          |               | 10 - 130 |
| d5-NEtFOSAA      | 96.3          |               | 25 - 135 |
| d5-NEtPFOSA      | 83.0          |               | 10 - 130 |
| d7-N-MeFOSE-M    | 99.7          |               | 10 - 130 |
| d9-N-EtFOSE-M    | 71.9          |               | 10 - 130 |

**Lab Sample ID: LCSD 410-707351/18-A**  
**Matrix: Water**  
**Analysis Batch: 707164**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 707351**

| Analyte                                                           | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-------------------------------------------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| 11-Chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | 37.8        | 29.9        |                | ng/L |   | 79   | 55 - 160    | 5   | 30        |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)               | 76.8        | 67.5        |                | ng/L |   | 88   | 60 - 150    | 1   | 30        |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)               | 75.0        | 64.5        |                | ng/L |   | 86   | 70 - 145    | 4   | 30        |

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# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: LCSD 410-707351/18-A**

**Matrix: Water**

**Analysis Batch: 707164**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 707351**

| Analyte                                                         | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------------------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)             | 76.2        | 66.8        |                | ng/L |   | 88   | 65 - 155    | 0   | 30        |
| 3-Perfluoroheptylpropanoic acid (7:3 FTCA)                      | 200         | 124         |                | ng/L |   | 62   | 50 - 145    | 6   | 30        |
| 3-Perfluoropentylpropanoic acid (5:3 FTCA)                      | 200         | 133         | *              | ng/L |   | 66   | 70 - 135    | 8   | 30        |
| 3-Perfluoropropylpropanoic acid (3:3 FTCA)                      | 80.0        | 80.6        |                | ng/L |   | 101  | 65 - 130    | 25  | 30        |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA)                     | 37.8        | 33.1        |                | ng/L |   | 87   | 65 - 145    | 8   | 30        |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) | 37.4        | 31.0        |                | ng/L |   | 83   | 70 - 155    | 4   | 30        |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)                  | 30.0        | 25.8        |                | ng/L |   | 86   | 70 - 140    | 6   | 30        |
| N-ethylperfluorooctane sulfonamide (NETFOSA)                    | 40.0        | 36.3        |                | ng/L |   | 91   | 65 - 145    | 2   | 30        |
| N-ethylperfluorooctane sulfonamidoethanol (NETFOSE)             | 200         | 162         |                | ng/L |   | 81   | 70 - 135    | 14  | 30        |
| N-ethylperfluorooctanesulfonamidoacetic acid (NETFOSAA)         | 40.0        | 34.9        |                | ng/L |   | 87   | 70 - 145    | 3   | 30        |
| N-methylperfluorooctane sulfonamide (NMeFOSA)                   | 40.0        | 34.5        |                | ng/L |   | 86   | 60 - 150    | 2   | 30        |
| N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)            | 200         | 166         |                | ng/L |   | 83   | 70 - 145    | 2   | 30        |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)        | 40.0        | 34.1        |                | ng/L |   | 85   | 50 - 140    | 0   | 30        |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)                      | 40.0        | 32.1        |                | ng/L |   | 80   | 50 - 150    | 2   | 30        |
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)              | 35.7        | 33.7        |                | ng/L |   | 94   | 70 - 140    | 2   | 30        |
| Perfluoro-3-methoxypropanoic acid (PFMPA)                       | 40.0        | 39.4        |                | ng/L |   | 98   | 55 - 140    | 6   | 30        |
| Perfluoro-4-methoxybutanoic acid (PFMBA)                        | 40.0        | 33.2        |                | ng/L |   | 83   | 60 - 150    | 2   | 30        |
| Perfluorobutanesulfonic acid (PFBS)                             | 35.5        | 30.8        |                | ng/L |   | 87   | 60 - 145    | 1   | 30        |
| Perfluorobutanoic acid (PFBA)                                   | 80.0        | 65.8        |                | ng/L |   | 82   | 70 - 140    | 2   | 30        |
| Perfluorodecanesulfonic acid (PFDS)                             | 38.6        | 31.1        |                | ng/L |   | 81   | 60 - 145    | 0   | 30        |
| Perfluorodecanoic acid (PFDA)                                   | 40.0        | 32.1        |                | ng/L |   | 80   | 70 - 140    | 0   | 30        |
| Perfluorododecanesulfonic acid (PFDoS)                          | 38.8        | 28.8        |                | ng/L |   | 74   | 50 - 145    | 0   | 30        |
| Perfluorododecanoic acid (PFDoA)                                | 40.0        | 37.7        |                | ng/L |   | 94   | 70 - 140    | 6   | 30        |
| Perfluoroheptanesulfonic acid (PFHpS)                           | 38.2        | 34.4        |                | ng/L |   | 90   | 70 - 150    | 5   | 30        |
| Perfluoroheptanoic acid (PFHpA)                                 | 40.0        | 34.3        |                | ng/L |   | 86   | 70 - 150    | 1   | 30        |
| Perfluorohexanesulfonic acid (PFHxS)                            | 36.5        | 30.9        |                | ng/L |   | 85   | 65 - 145    | 0   | 30        |
| Perfluorohexanoic acid (PFHxA)                                  | 40.0        | 34.0        |                | ng/L |   | 85   | 70 - 145    | 1   | 30        |
| Perfluoronanesulfonic acid (PFNS)                               | 38.5        | 32.3        |                | ng/L |   | 84   | 65 - 145    | 4   | 30        |
| Perfluorononanoic acid (PFNA)                                   | 40.0        | 34.7        |                | ng/L |   | 87   | 70 - 150    | 5   | 30        |

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# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: LCSD 410-707351/18-A**

**Matrix: Water**

**Analysis Batch: 707164**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 707351**

| Analyte                               | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Perfluorooctanesulfonamide (PFOSA)    | 40.0        | 35.7        |                | ng/L |   | 89   | 70 - 145    | 1   | 30        |
| Perfluorooctanesulfonic acid (PFOS)   | 37.2        | 30.5        |                | ng/L |   | 82   | 55 - 150    | 4   | 30        |
| Perfluorooctanoic acid (PFOA)         | 40.0        | 33.2        |                | ng/L |   | 83   | 70 - 150    | 3   | 30        |
| Perfluoropentanesulfonic acid (PFPeS) | 37.6        | 31.7        |                | ng/L |   | 84   | 65 - 140    | 2   | 30        |
| Perfluoropentanoic acid (PFPeA)       | 40.0        | 35.2        |                | ng/L |   | 88   | 65 - 135    | 2   | 30        |
| Perfluorotetradecanoic acid (PFTeDA)  | 40.0        | 34.2        |                | ng/L |   | 86   | 60 - 140    | 7   | 30        |
| Perfluorotridecanoic acid (PFTrDA)    | 40.0        | 33.3        |                | ng/L |   | 83   | 65 - 140    | 1   | 30        |
| Perfluoroundecanoic acid (PFUnA)      | 40.0        | 36.3        |                | ng/L |   | 91   | 70 - 145    | 3   | 30        |

| Isotope Dilution | LCSD      |           | Limits   |
|------------------|-----------|-----------|----------|
|                  | %Recovery | Qualifier |          |
| 13C2 4:2 FTS     | 114       |           | 40 - 200 |
| 13C2 6:2 FTS     | 120       |           | 40 - 200 |
| 13C2 8:2 FTS     | 124       |           | 40 - 300 |
| 13C2 PFDoA       | 97.5      |           | 10 - 130 |
| 13C2 PFTeDA      | 90.1      |           | 10 - 130 |
| 13C3 HFPO-DA     | 113       |           | 40 - 130 |
| 13C3 PFBS        | 107       |           | 40 - 135 |
| 13C3 PFHxS       | 107       |           | 40 - 130 |
| 13C4 PFBA        | 108       |           | 5 - 130  |
| 13C4 PFHpA       | 112       |           | 40 - 130 |
| 13C5 PFHxA       | 106       |           | 40 - 130 |
| 13C5 PFPeA       | 108       |           | 40 - 130 |
| 13C6 PFDA        | 101       |           | 40 - 130 |
| 13C7 PFUnA       | 90.8      |           | 30 - 130 |
| 13C8 FOSA        | 104       |           | 40 - 130 |
| 13C8 PFOA        | 110       |           | 40 - 130 |
| 13C8 PFOS        | 104       |           | 40 - 130 |
| 13C9 PFNA        | 103       |           | 40 - 130 |
| d3-NMeFOSAA      | 102       |           | 40 - 170 |
| d3-NMePFOSA      | 93.0      |           | 10 - 130 |
| d5-NEtFOSAA      | 97.0      |           | 25 - 135 |
| d5-NEtPFOSA      | 86.9      |           | 10 - 130 |
| d7-N-MeFOSE-M    | 113       |           | 10 - 130 |
| d9-N-EtFOSE-M    | 105       |           | 10 - 130 |

**Lab Sample ID: MB 410-708885/15-A**

**Matrix: Water**

**Analysis Batch: 709341**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 708885**

| Analyte                                                               | MB     | MB        | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------------------------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
|                                                                       | Result | Qualifier |     |      |      |   |                |                |         |
| 11-Chloroeicosfluoro-3-oxaundecan<br>e-1-sulfonic acid (11Cl-PF3OUdS) | ND     |           | 2.0 | 0.50 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| 1H,1H,2H,2H-Perfluorodecane<br>sulfonic acid (8:2 FTS)                | ND     |           | 4.0 | 1.0  | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |

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# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: MB 410-708885/15-A**  
**Matrix: Water**  
**Analysis Batch: 709341**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 708885**

| Analyte                                                          | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------------------------------------|-----------|--------------|-----|------|------|---|----------------|----------------|---------|
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)              | ND        |              | 4.0 | 1.0  | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)              | ND        |              | 4.0 | 1.0  | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| 3-Perfluoroheptylpropanoic acid (7:3 FTCA)                       | ND        |              | 10  | 2.5  | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| 3-Perfluoropentylpropanoic acid (5:3 FTCA)                       | ND        |              | 10  | 2.8  | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| 3-Perfluoropropylpropanoic acid (3:3 FTCA)                       | ND        |              | 4.0 | 1.0  | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA)                      | ND        |              | 2.0 | 0.50 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| 9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS) | ND        |              | 2.0 | 0.50 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)                   | ND        |              | 2.0 | 1.4  | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| N-ethylperfluorooctane sulfonamide (NEtFOSA)                     | ND        |              | 2.0 | 0.50 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)              | ND        |              | 10  | 4.0  | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)          | ND        |              | 2.0 | 0.50 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| N-methylperfluorooctane sulfonamide (NMeFOSA)                    | ND        |              | 2.0 | 0.50 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)             | ND        |              | 10  | 2.5  | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)         | ND        |              | 2.0 | 0.50 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)                       | ND        |              | 2.0 | 0.50 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)                | ND        |              | 2.0 | 0.50 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| Perfluoro-3-methoxypropanoic acid (PFMPA)                        | ND        |              | 2.0 | 0.50 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| Perfluoro-4-methoxybutanoic acid (PFMBA)                         | ND        |              | 2.0 | 0.50 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| Perfluorobutanesulfonic acid (PFBS)                              | ND        |              | 2.0 | 0.50 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| Perfluorobutanoic acid (PFBA)                                    | ND        |              | 4.0 | 1.1  | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| Perfluorodecanesulfonic acid (PFDS)                              | ND        |              | 2.0 | 0.50 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| Perfluorodecanoic acid (PFDA)                                    | ND        |              | 2.0 | 0.50 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| Perfluorododecanesulfonic acid (PFDoS)                           | ND        |              | 2.0 | 0.60 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| Perfluorododecanoic acid (PFDoA)                                 | ND        |              | 2.0 | 0.50 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| Perfluoroheptanesulfonic acid (PFHpS)                            | ND        |              | 2.0 | 0.50 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| Perfluoroheptanoic acid (PFHpA)                                  | ND        |              | 2.0 | 0.80 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| Perfluorohexanesulfonic acid (PFHxS)                             | ND        |              | 2.0 | 0.80 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| Perfluorohexanoic acid (PFHxA)                                   | ND        |              | 2.0 | 0.50 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| Perfluorononanesulfonic acid (PFNS)                              | ND        |              | 2.0 | 0.50 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| Perfluorononanoic acid (PFNA)                                    | ND        |              | 2.0 | 0.50 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| Perfluorooctanesulfonamide (PFOSA)                               | ND        |              | 2.0 | 0.50 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| Perfluorooctanesulfonic acid (PFOS)                              | ND        |              | 2.0 | 1.3  | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| Perfluorooctanoic acid (PFOA)                                    | ND        |              | 2.0 | 0.90 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |

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# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: MB 410-708885/15-A**  
**Matrix: Water**  
**Analysis Batch: 709341**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 708885**

| Analyte                               | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|-----|------|------|---|----------------|----------------|---------|
| Perfluoropentanesulfonic acid (PFPeS) | ND        |              | 2.0 | 0.50 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| Perfluoropentanoic acid (PFPeA)       | ND        |              | 2.0 | 0.60 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| Perfluorotetradecanoic acid (PFTeDA)  | ND        |              | 2.0 | 0.50 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| Perfluorotridecanoic acid (PFTrDA)    | ND        |              | 2.0 | 0.50 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| Perfluoroundecanoic acid (PFUnA)      | ND        |              | 2.0 | 0.50 | ng/L |   | 10/03/25 13:46 | 10/06/25 04:01 | 1       |

| Isotope Dilution | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|--------------|----------|----------------|----------------|---------|
| 13C2 4:2 FTS     | 86.4         |              | 40 - 200 | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| 13C2 6:2 FTS     | 86.3         |              | 40 - 200 | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| 13C2 8:2 FTS     | 77.6         |              | 40 - 300 | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| 13C2 PFDoA       | 93.1         |              | 10 - 130 | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| 13C2 PFTeDA      | 74.6         |              | 10 - 130 | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| 13C3 HFPO-DA     | 101          |              | 40 - 130 | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| 13C3 PFBS        | 99.4         |              | 40 - 135 | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| 13C3 PFHxS       | 96.6         |              | 40 - 130 | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| 13C4 PFBA        | 104          |              | 5 - 130  | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| 13C4 PFHpA       | 102          |              | 40 - 130 | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| 13C5 PFHxA       | 98.5         |              | 40 - 130 | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| 13C5 PFPeA       | 100          |              | 40 - 130 | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| 13C6 PFDA        | 98.2         |              | 40 - 130 | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| 13C7 PFUnA       | 92.2         |              | 30 - 130 | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| 13C8 FOSA        | 83.8         |              | 40 - 130 | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| 13C8 PFOA        | 94.1         |              | 40 - 130 | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| 13C8 PFOS        | 95.6         |              | 40 - 130 | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| 13C9 PFNA        | 93.6         |              | 40 - 130 | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| d3-NMeFOSAA      | 81.4         |              | 40 - 170 | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| d3-NMePFOSA      | 74.1         |              | 10 - 130 | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| d5-NEtFOSAA      | 77.1         |              | 25 - 135 | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| d5-NEtPFOSA      | 68.1         |              | 10 - 130 | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| d7-N-MeFOSE-M    | 50.9         |              | 10 - 130 | 10/03/25 13:46 | 10/06/25 04:01 | 1       |
| d9-N-EtFOSE-M    | 43.2         |              | 10 - 130 | 10/03/25 13:46 | 10/06/25 04:01 | 1       |

**Lab Sample ID: LCS 410-708885/16-A**  
**Matrix: Water**  
**Analysis Batch: 709341**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 708885**

| Analyte                                                           | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------------------------------------------------------|-------------|------------|---------------|------|---|------|-------------|
| 11-Chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | 37.8        | 32.3       |               | ng/L |   | 86   | 55 - 160    |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)               | 76.8        | 66.4       |               | ng/L |   | 86   | 60 - 150    |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)               | 75.0        | 65.5       |               | ng/L |   | 87   | 70 - 145    |
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)               | 76.2        | 70.0       |               | ng/L |   | 92   | 65 - 155    |
| 3-Perfluoroheptylpropanoic acid (7:3 FTCA)                        | 200         | 133        |               | ng/L |   | 66   | 50 - 145    |
| 3-Perfluoropentylpropanoic acid (5:3 FTCA)                        | 200         | 147        |               | ng/L |   | 73   | 70 - 135    |

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# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: LCS 410-708885/16-A**  
**Matrix: Water**  
**Analysis Batch: 709341**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 708885**

| Analyte                                                         | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------------------------------------------|-------------|------------|---------------|------|---|------|-------------|
| 3-Perfluoropropylpropanoic acid (3:3 FTCA)                      | 80.0        | 66.9       |               | ng/L |   | 84   | 65 - 130    |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA)                     | 37.8        | 32.0       |               | ng/L |   | 85   | 65 - 145    |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) | 37.4        | 33.8       |               | ng/L |   | 90   | 70 - 155    |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)                  | 30.0        | 26.7       |               | ng/L |   | 89   | 70 - 140    |
| N-ethylperfluorooctane sulfonamide (NEtFOSA)                    | 40.0        | 38.6       |               | ng/L |   | 97   | 65 - 145    |
| N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)             | 200         | 186        |               | ng/L |   | 93   | 70 - 135    |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)         | 40.0        | 37.6       |               | ng/L |   | 94   | 70 - 145    |
| N-methylperfluorooctane sulfonamide (NMeFOSA)                   | 40.0        | 38.0       |               | ng/L |   | 95   | 60 - 150    |
| N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)            | 200         | 178        |               | ng/L |   | 89   | 70 - 145    |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)        | 40.0        | 36.0       |               | ng/L |   | 90   | 50 - 140    |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)                      | 40.0        | 38.1       |               | ng/L |   | 95   | 50 - 150    |
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)              | 35.7        | 34.1       |               | ng/L |   | 96   | 70 - 140    |
| Perfluoro-3-methoxypropanoic acid (PFMPA)                       | 40.0        | 38.6       |               | ng/L |   | 97   | 55 - 140    |
| Perfluoro-4-methoxybutanoic acid (PFMBA)                        | 40.0        | 35.8       |               | ng/L |   | 90   | 60 - 150    |
| Perfluorobutanesulfonic acid (PFBS)                             | 35.5        | 32.4       |               | ng/L |   | 91   | 60 - 145    |
| Perfluorobutanoic acid (PFBA)                                   | 80.0        | 70.0       |               | ng/L |   | 88   | 70 - 140    |
| Perfluorodecanesulfonic acid (PFDS)                             | 38.6        | 32.0       |               | ng/L |   | 83   | 60 - 145    |
| Perfluorodecanoic acid (PFDA)                                   | 40.0        | 34.2       |               | ng/L |   | 86   | 70 - 140    |
| Perfluorododecanesulfonic acid (PFDoS)                          | 38.8        | 30.1       |               | ng/L |   | 78   | 50 - 145    |
| Perfluorododecanoic acid (PFDoA)                                | 40.0        | 39.8       |               | ng/L |   | 99   | 70 - 140    |
| Perfluoroheptanesulfonic acid (PFHpS)                           | 38.2        | 36.2       |               | ng/L |   | 95   | 70 - 150    |
| Perfluoroheptanoic acid (PFHpA)                                 | 40.0        | 36.7       |               | ng/L |   | 92   | 70 - 150    |
| Perfluorohexanesulfonic acid (PFHxS)                            | 36.5        | 32.5       |               | ng/L |   | 89   | 65 - 145    |
| Perfluorohexanoic acid (PFHxA)                                  | 40.0        | 35.7       |               | ng/L |   | 89   | 70 - 145    |
| Perfluorononanesulfonic acid (PFNS)                             | 38.5        | 33.5       |               | ng/L |   | 87   | 65 - 145    |
| Perfluorononanoic acid (PFNA)                                   | 40.0        | 38.4       |               | ng/L |   | 96   | 70 - 150    |
| Perfluorooctanesulfonamide (PFOSA)                              | 40.0        | 38.5       |               | ng/L |   | 96   | 70 - 145    |
| Perfluorooctanesulfonic acid (PFOS)                             | 37.2        | 31.8       |               | ng/L |   | 86   | 55 - 150    |
| Perfluorooctanoic acid (PFOA)                                   | 40.0        | 35.0       |               | ng/L |   | 88   | 70 - 150    |
| Perfluoropentanesulfonic acid (PFPeS)                           | 37.6        | 34.6       |               | ng/L |   | 92   | 65 - 140    |

# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: LCS 410-708885/16-A**  
**Matrix: Water**  
**Analysis Batch: 709341**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 708885**

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|------|---|------|-------------|
| Perfluoropentanoic acid (PFPeA)      | 40.0        | 38.5       |               | ng/L |   | 96   | 65 - 135    |
| Perfluorotetradecanoic acid (PFTeDA) | 40.0        | 38.0       |               | ng/L |   | 95   | 60 - 140    |
| Perfluorotridecanoic acid (PFTrDA)   | 40.0        | 35.4       |               | ng/L |   | 89   | 65 - 140    |
| Perfluoroundecanoic acid (PFUnA)     | 40.0        | 37.3       |               | ng/L |   | 93   | 70 - 145    |

| Isotope Dilution | LCS %Recovery | LCS Qualifier | Limits   |
|------------------|---------------|---------------|----------|
| 13C2 4:2 FTS     | 89.7          |               | 40 - 200 |
| 13C2 6:2 FTS     | 82.4          |               | 40 - 200 |
| 13C2 8:2 FTS     | 74.5          |               | 40 - 300 |
| 13C2 PFDoA       | 89.9          |               | 10 - 130 |
| 13C2 PFTeDA      | 77.4          |               | 10 - 130 |
| 13C3 HFPO-DA     | 108           |               | 40 - 130 |
| 13C3 PFBS        | 94.6          |               | 40 - 135 |
| 13C3 PFHxS       | 91.5          |               | 40 - 130 |
| 13C4 PFBA        | 101           |               | 5 - 130  |
| 13C4 PFHpA       | 95.8          |               | 40 - 130 |
| 13C5 PFHxA       | 96.5          |               | 40 - 130 |
| 13C5 PFPeA       | 99.4          |               | 40 - 130 |
| 13C6 PFDA        | 92.2          |               | 40 - 130 |
| 13C7 PFUnA       | 92.5          |               | 30 - 130 |
| 13C8 FOSA        | 81.7          |               | 40 - 130 |
| 13C8 PFOA        | 93.9          |               | 40 - 130 |
| 13C8 PFOS        | 91.7          |               | 40 - 130 |
| 13C9 PFNA        | 88.0          |               | 40 - 130 |
| d3-NMeFOSAA      | 76.0          |               | 40 - 170 |
| d3-NMePFOSA      | 70.7          |               | 10 - 130 |
| d5-NEtFOSAA      | 70.2          |               | 25 - 135 |
| d5-NEtPFOSA      | 64.8          |               | 10 - 130 |
| d7-N-MeFOSE-M    | 61.6          |               | 10 - 130 |
| d9-N-EtFOSE-M    | 54.0          |               | 10 - 130 |

**Lab Sample ID: LCSD 410-708885/17-A**  
**Matrix: Water**  
**Analysis Batch: 709341**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 708885**

| Analyte                                                           | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-------------------------------------------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| 11-Chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | 37.8        | 34.2        |                | ng/L |   | 90   | 55 - 160    | 6   | 30        |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)               | 76.8        | 74.6        |                | ng/L |   | 97   | 60 - 150    | 12  | 30        |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)               | 75.0        | 72.2        |                | ng/L |   | 96   | 70 - 145    | 10  | 30        |
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)               | 76.2        | 71.9        |                | ng/L |   | 94   | 65 - 155    | 3   | 30        |
| 3-Perfluoroheptylpropanoic acid (7:3 FTCA)                        | 200         | 149         |                | ng/L |   | 74   | 50 - 145    | 12  | 30        |

Eurofins Buffalo

# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: LCSD 410-708885/17-A**  
**Matrix: Water**  
**Analysis Batch: 709341**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 708885**

| Analyte                                                       | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------------------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| 3-Perfluoropentylpropanoic acid (5:3 FTCA)                    | 200         | 159         |                | ng/L |   | 80   | 70 - 135    | 8   | 30        |
| 3-Perfluoropropylpropanoic acid (3:3 FTCA)                    | 80.0        | 71.4        |                | ng/L |   | 89   | 65 - 130    | 7   | 30        |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA)                   | 37.8        | 35.5        |                | ng/L |   | 94   | 65 - 145    | 10  | 30        |
| 9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS) | 37.4        | 36.0        |                | ng/L |   | 96   | 70 - 155    | 7   | 30        |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)                | 30.0        | 28.4        |                | ng/L |   | 95   | 70 - 140    | 6   | 30        |
| N-ethylperfluorooctane sulfonamide (NEtFOSA)                  | 40.0        | 40.1        |                | ng/L |   | 100  | 65 - 145    | 4   | 30        |
| N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)           | 200         | 196         |                | ng/L |   | 98   | 70 - 135    | 5   | 30        |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)       | 40.0        | 40.3        |                | ng/L |   | 101  | 70 - 145    | 7   | 30        |
| N-methylperfluorooctane sulfonamide (NMeFOSA)                 | 40.0        | 39.9        |                | ng/L |   | 100  | 60 - 150    | 5   | 30        |
| N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)          | 200         | 186         |                | ng/L |   | 93   | 70 - 145    | 5   | 30        |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)      | 40.0        | 40.2        |                | ng/L |   | 100  | 50 - 140    | 11  | 30        |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)                    | 40.0        | 36.8        |                | ng/L |   | 92   | 50 - 150    | 3   | 30        |
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)             | 35.7        | 38.5        |                | ng/L |   | 108  | 70 - 140    | 12  | 30        |
| Perfluoro-3-methoxypropanoic acid (PFMPA)                     | 40.0        | 40.0        |                | ng/L |   | 100  | 55 - 140    | 3   | 30        |
| Perfluoro-4-methoxybutanoic acid (PFMBA)                      | 40.0        | 37.9        |                | ng/L |   | 95   | 60 - 150    | 6   | 30        |
| Perfluorobutanesulfonic acid (PFBS)                           | 35.5        | 34.9        |                | ng/L |   | 98   | 60 - 145    | 8   | 30        |
| Perfluorobutanoic acid (PFBA)                                 | 80.0        | 74.7        |                | ng/L |   | 93   | 70 - 140    | 7   | 30        |
| Perfluorodecanesulfonic acid (PFDS)                           | 38.6        | 34.2        |                | ng/L |   | 89   | 60 - 145    | 7   | 30        |
| Perfluorodecanoic acid (PFDA)                                 | 40.0        | 36.9        |                | ng/L |   | 92   | 70 - 140    | 7   | 30        |
| Perfluorododecanesulfonic acid (PFDoS)                        | 38.8        | 32.5        |                | ng/L |   | 84   | 50 - 145    | 8   | 30        |
| Perfluorododecanoic acid (PFDoA)                              | 40.0        | 40.3        |                | ng/L |   | 101  | 70 - 140    | 1   | 30        |
| Perfluoroheptanesulfonic acid (PFHpS)                         | 38.2        | 38.8        |                | ng/L |   | 102  | 70 - 150    | 7   | 30        |
| Perfluoroheptanoic acid (PFHpA)                               | 40.0        | 39.2        |                | ng/L |   | 98   | 70 - 150    | 7   | 30        |
| Perfluorohexanesulfonic acid (PFHxS)                          | 36.5        | 35.6        |                | ng/L |   | 98   | 65 - 145    | 9   | 30        |
| Perfluorohexanoic acid (PFHxA)                                | 40.0        | 37.8        |                | ng/L |   | 95   | 70 - 145    | 6   | 30        |
| Perfluorononanesulfonic acid (PFNS)                           | 38.5        | 36.1        |                | ng/L |   | 94   | 65 - 145    | 8   | 30        |
| Perfluorononanoic acid (PFNA)                                 | 40.0        | 39.9        |                | ng/L |   | 100  | 70 - 150    | 4   | 30        |
| Perfluorooctanesulfonamide (PFOSA)                            | 40.0        | 41.0        |                | ng/L |   | 102  | 70 - 145    | 6   | 30        |
| Perfluorooctanesulfonic acid (PFOS)                           | 37.2        | 34.3        |                | ng/L |   | 92   | 55 - 150    | 7   | 30        |
| Perfluorooctanoic acid (PFOA)                                 | 40.0        | 37.6        |                | ng/L |   | 94   | 70 - 150    | 7   | 30        |

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# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: LCSD 410-708885/17-A**  
**Matrix: Water**  
**Analysis Batch: 709341**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 708885**

| Analyte                               | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Perfluoropentanesulfonic acid (PFPeS) | 37.6        | 37.4        |                | ng/L |   | 99   | 65 - 140    | 8   | 30        |
| Perfluoropentanoic acid (PFPeA)       | 40.0        | 40.8        |                | ng/L |   | 102  | 65 - 135    | 6   | 30        |
| Perfluorotetradecanoic acid (PFTeDA)  | 40.0        | 40.5        |                | ng/L |   | 101  | 60 - 140    | 6   | 30        |
| Perfluorotridecanoic acid (PFTrDA)    | 40.0        | 37.0        |                | ng/L |   | 93   | 65 - 140    | 4   | 30        |
| Perfluoroundecanoic acid (PFUnA)      | 40.0        | 39.3        |                | ng/L |   | 98   | 70 - 145    | 5   | 30        |

| Isotope Dilution | LCSD %Recovery | LCSD Qualifier | LCSD Limits |
|------------------|----------------|----------------|-------------|
| 13C2 4:2 FTS     | 89.8           |                | 40 - 200    |
| 13C2 6:2 FTS     | 84.8           |                | 40 - 200    |
| 13C2 8:2 FTS     | 81.1           |                | 40 - 300    |
| 13C2 PFDoA       | 96.3           |                | 10 - 130    |
| 13C2 PFTeDA      | 82.1           |                | 10 - 130    |
| 13C3 HFPO-DA     | 107            |                | 40 - 130    |
| 13C3 PFBS        | 99.8           |                | 40 - 135    |
| 13C3 PFHxS       | 96.3           |                | 40 - 130    |
| 13C4 PFBA        | 104            |                | 5 - 130     |
| 13C4 PFHpA       | 102            |                | 40 - 130    |
| 13C5 PFHxA       | 98.5           |                | 40 - 130    |
| 13C5 PFPeA       | 103            |                | 40 - 130    |
| 13C6 PFDA        | 98.3           |                | 40 - 130    |
| 13C7 PFUnA       | 92.3           |                | 30 - 130    |
| 13C8 FOSA        | 83.7           |                | 40 - 130    |
| 13C8 PFOA        | 97.5           |                | 40 - 130    |
| 13C8 PFOS        | 97.5           |                | 40 - 130    |
| 13C9 PFNA        | 100            |                | 40 - 130    |
| d3-NMeFOSAA      | 77.4           |                | 40 - 170    |
| d3-NMePFOSA      | 70.0           |                | 10 - 130    |
| d5-NEtFOSAA      | 73.9           |                | 25 - 135    |
| d5-NEtPFOSA      | 64.9           |                | 10 - 130    |
| d7-N-MeFOSE-M    | 59.4           |                | 10 - 130    |
| d9-N-EtFOSE-M    | 52.1           |                | 10 - 130    |

**Lab Sample ID: LLCS 410-708885/18-A**  
**Matrix: Water**  
**Analysis Batch: 709341**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 708885**

| Analyte                                                            | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------------------------------------|-------------|-------------|----------------|------|---|------|-------------|
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | 3.78        | 3.23        |                | ng/L |   | 85   | 55 - 160    |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)                | 7.68        | 6.15        |                | ng/L |   | 80   | 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        | 6.90        |                | ng/L |   | 91   | 65 - 155    |

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# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: LLCS 410-708885/18-A**  
**Matrix: Water**  
**Analysis Batch: 709341**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 708885**

| Analyte                                                         | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------------------------------------------|-------------|-------------|----------------|------|---|------|-------------|
| 3-Perfluoroheptylpropanoic acid (7:3 FTCA)                      | 20.0        | 15.2        |                | ng/L |   | 76   | 50 - 145    |
| 3-Perfluoropentylpropanoic acid (5:3 FTCA)                      | 20.0        | 16.7        |                | ng/L |   | 84   | 70 - 135    |
| 3-Perfluoropropylpropanoic acid (3:3 FTCA)                      | 8.00        | 6.52        |                | ng/L |   | 82   | 65 - 130    |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA)                     | 3.78        | 3.22        |                | ng/L |   | 85   | 65 - 145    |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) | 3.74        | 3.28        |                | ng/L |   | 88   | 70 - 155    |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)                  | 3.00        | 2.59        |                | ng/L |   | 86   | 70 - 140    |
| N-ethylperfluorooctane sulfonamide (NEtFOSA)                    | 4.00        | 3.21        |                | ng/L |   | 80   | 65 - 145    |
| N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)             | 20.0        | 18.4        |                | ng/L |   | 92   | 70 - 135    |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)         | 4.00        | 3.66        |                | ng/L |   | 92   | 70 - 145    |
| N-methylperfluorooctane sulfonamide (NMeFOSA)                   | 4.00        | 3.50        |                | ng/L |   | 87   | 60 - 150    |
| N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)            | 20.0        | 16.9        |                | ng/L |   | 84   | 70 - 145    |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)        | 4.00        | 2.70        |                | ng/L |   | 68   | 50 - 140    |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)                      | 4.00        | 3.32        |                | ng/L |   | 83   | 50 - 150    |
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)               | 3.57        | 3.19        |                | ng/L |   | 90   | 70 - 140    |
| Perfluoro-3-methoxypropanoic acid (PFMPA)                       | 4.00        | 3.54        |                | ng/L |   | 89   | 55 - 140    |
| Perfluoro-4-methoxybutanoic acid (PFMBA)                        | 4.00        | 3.22        |                | ng/L |   | 81   | 60 - 150    |
| Perfluorobutanesulfonic acid (PFBS)                             | 3.55        | 2.98        |                | ng/L |   | 84   | 60 - 145    |
| Perfluorobutanoic acid (PFBA)                                   | 8.00        | 6.43        |                | ng/L |   | 80   | 70 - 140    |
| Perfluorodecanesulfonic acid (PFDS)                             | 3.86        | 2.99        |                | ng/L |   | 78   | 60 - 145    |
| Perfluorodecanoic acid (PFDA)                                   | 4.00        | 3.46        |                | ng/L |   | 87   | 70 - 140    |
| Perfluorododecanesulfonic acid (PFDoS)                          | 3.88        | 2.89        |                | ng/L |   | 75   | 50 - 145    |
| Perfluorododecanoic acid (PFDoA)                                | 4.00        | 3.50        |                | ng/L |   | 87   | 70 - 140    |
| Perfluoroheptanesulfonic acid (PFHpS)                           | 3.82        | 3.40        |                | ng/L |   | 89   | 70 - 150    |
| Perfluoroheptanoic acid (PFHpA)                                 | 4.00        | 3.65        |                | ng/L |   | 91   | 70 - 150    |
| Perfluorohexanesulfonic acid (PFHxS)                            | 3.65        | 3.23        |                | ng/L |   | 89   | 65 - 145    |
| Perfluorohexanoic acid (PFHxA)                                  | 4.00        | 3.72        |                | ng/L |   | 93   | 70 - 145    |
| Perfluorononanesulfonic acid (PFNS)                             | 3.85        | 2.87        |                | ng/L |   | 75   | 65 - 145    |
| Perfluorononanoic acid (PFNA)                                   | 4.00        | 3.47        |                | ng/L |   | 87   | 70 - 150    |
| Perfluorooctanesulfonamide (PFOSA)                              | 4.00        | 3.81        |                | ng/L |   | 95   | 70 - 145    |

# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: LLCS 410-708885/18-A**  
**Matrix: Water**  
**Analysis Batch: 709341**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 708885**

| Analyte                               | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------------------|-------------|-------------|----------------|------|---|------|-------------|
| Perfluorooctanesulfonic acid (PFOS)   | 3.72        | 3.32        |                | ng/L |   | 89   | 55 - 150    |
| Perfluorooctanoic acid (PFOA)         | 4.00        | 3.34        |                | ng/L |   | 84   | 70 - 150    |
| Perfluoropentanesulfonic acid (PFPeS) | 3.76        | 3.17        |                | ng/L |   | 84   | 65 - 140    |
| Perfluoropentanoic acid (PFPeA)       | 4.00        | 3.49        |                | ng/L |   | 87   | 65 - 135    |
| Perfluorotetradecanoic acid (PFTeDA)  | 4.00        | 3.79        |                | ng/L |   | 95   | 60 - 140    |
| Perfluorotridecanoic acid (PFTrDA)    | 4.00        | 3.20        |                | ng/L |   | 80   | 65 - 140    |
| Perfluoroundecanoic acid (PFUnA)      | 4.00        | 3.51        |                | ng/L |   | 88   | 70 - 145    |

| Isotope Dilution | LLCS %Recovery | LLCS Qualifier | LLCS Limits |
|------------------|----------------|----------------|-------------|
| 13C2 4:2 FTS     | 89.8           |                | 40 - 200    |
| 13C2 6:2 FTS     | 85.9           |                | 40 - 200    |
| 13C2 8:2 FTS     | 78.6           |                | 40 - 300    |
| 13C2 PFDoA       | 98.4           |                | 10 - 130    |
| 13C2 PFTeDA      | 81.4           |                | 10 - 130    |
| 13C3 HFPO-DA     | 97.0           |                | 40 - 130    |
| 13C3 PFBS        | 97.5           |                | 40 - 135    |
| 13C3 PFHxS       | 95.9           |                | 40 - 130    |
| 13C4 PFBA        | 98.0           |                | 5 - 130     |
| 13C4 PFHpA       | 94.9           |                | 40 - 130    |
| 13C5 PFHxA       | 89.3           |                | 40 - 130    |
| 13C5 PFPeA       | 94.2           |                | 40 - 130    |
| 13C6 PFDA        | 97.1           |                | 40 - 130    |
| 13C7 PFUnA       | 94.8           |                | 30 - 130    |
| 13C8 FOSA        | 77.2           |                | 40 - 130    |
| 13C8 PFOA        | 90.4           |                | 40 - 130    |
| 13C8 PFOS        | 93.8           |                | 40 - 130    |
| 13C9 PFNA        | 91.9           |                | 40 - 130    |
| d3-NMeFOSAA      | 80.3           |                | 40 - 170    |
| d3-NMePFOSA      | 66.5           |                | 10 - 130    |
| d5-NEtFOSAA      | 78.0           |                | 25 - 135    |
| d5-NEtPFOSA      | 63.7           |                | 10 - 130    |
| d7-N-MeFOSE-M    | 59.3           |                | 10 - 130    |
| d9-N-EtFOSE-M    | 54.7           |                | 10 - 130    |

**Lab Sample ID: MB 410-710704/5-A**  
**Matrix: Water**  
**Analysis Batch: 710552**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 710704**

| Analyte                                                           | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------------------------------------------|-----------|--------------|-----|------|------|---|----------------|----------------|---------|
| 11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | ND        |              | 2.0 | 0.50 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)               | ND        |              | 4.0 | 1.0  | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)               | ND        |              | 4.0 | 1.0  | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |

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# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: MB 410-710704/5-A**  
**Matrix: Water**  
**Analysis Batch: 710552**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 710704**

| Analyte                                                          | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------------------------------------|-----------|--------------|-----|------|------|---|----------------|----------------|---------|
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)              | ND        |              | 4.0 | 1.0  | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| 3-Perfluoroheptylpropanoic acid (7:3 FTCA)                       | ND        |              | 10  | 2.5  | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| 3-Perfluoropentylpropanoic acid (5:3 FTCA)                       | ND        |              | 10  | 2.8  | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| 3-Perfluoropropylpropanoic acid (3:3 FTCA)                       | ND        |              | 4.0 | 1.0  | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA)                      | ND        |              | 2.0 | 0.50 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| 9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS) | ND        |              | 2.0 | 0.50 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)                   | ND        |              | 2.0 | 1.4  | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| N-ethylperfluorooctane sulfonamide (NEtFOSA)                     | ND        |              | 2.0 | 0.50 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)              | ND        |              | 10  | 4.0  | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)          | ND        |              | 2.0 | 0.50 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| N-methylperfluorooctane sulfonamide (NMeFOSA)                    | ND        |              | 2.0 | 0.50 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)             | ND        |              | 10  | 2.5  | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)         | ND        |              | 2.0 | 0.50 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)                       | ND        |              | 2.0 | 0.50 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)                | ND        |              | 2.0 | 0.50 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| Perfluoro-3-methoxypropanoic acid (PFMPA)                        | ND        |              | 2.0 | 0.50 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| Perfluoro-4-methoxybutanoic acid (PFMBA)                         | ND        |              | 2.0 | 0.50 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| Perfluorobutanesulfonic acid (PFBS)                              | ND        |              | 2.0 | 0.50 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| Perfluorobutanoic acid (PFBA)                                    | ND        |              | 4.0 | 1.1  | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| Perfluorodecanesulfonic acid (PFDS)                              | ND        |              | 2.0 | 0.50 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| Perfluorodecanoic acid (PFDA)                                    | ND        |              | 2.0 | 0.50 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| Perfluorododecanesulfonic acid (PFDoS)                           | ND        |              | 2.0 | 0.60 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| Perfluorododecanoic acid (PFDoA)                                 | ND        |              | 2.0 | 0.50 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| Perfluoroheptanesulfonic acid (PFHpS)                            | ND        |              | 2.0 | 0.50 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| Perfluoroheptanoic acid (PFHpA)                                  | ND        |              | 2.0 | 0.80 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| Perfluorohexanesulfonic acid (PFHxS)                             | ND        |              | 2.0 | 0.80 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| Perfluorohexanoic acid (PFHxA)                                   | ND        |              | 2.0 | 0.50 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| Perfluorononanesulfonic acid (PFNS)                              | ND        |              | 2.0 | 0.50 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| Perfluorononanoic acid (PFNA)                                    | ND        |              | 2.0 | 0.50 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| Perfluorooctanesulfonamide (PFOSA)                               | ND        |              | 2.0 | 0.50 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| Perfluorooctanesulfonic acid (PFOS)                              | ND        |              | 2.0 | 1.3  | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| Perfluorooctanoic acid (PFOA)                                    | ND        |              | 2.0 | 0.90 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| Perfluoropentanesulfonic acid (PFPeS)                            | ND        |              | 2.0 | 0.50 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| Perfluoropentanoic acid (PFPeA)                                  | ND        |              | 2.0 | 0.60 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |

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# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: MB 410-710704/5-A**  
**Matrix: Water**  
**Analysis Batch: 710552**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 710704**

| Analyte                              | MB        | MB        | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
|                                      | Result    | Qualifier |          |      |      |   |                |                |         |
| Perfluorotetradecanoic acid (PFTeDA) | ND        |           | 2.0      | 0.50 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| Perfluorotridecanoic acid (PFTTrDA)  | ND        |           | 2.0      | 0.50 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| Perfluoroundecanoic acid (PFUnA)     | ND        |           | 2.0      | 0.50 | ng/L |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| Isotope Dilution                     | MB        | MB        | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
|                                      | %Recovery | Qualifier |          |      |      |   |                |                |         |
| 13C2 4:2 FTS                         | 107       |           | 40 - 200 |      |      |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| 13C2 6:2 FTS                         | 98.6      |           | 40 - 200 |      |      |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| 13C2 8:2 FTS                         | 105       |           | 40 - 300 |      |      |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| 13C2 PFDoA                           | 89.7      |           | 10 - 130 |      |      |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| 13C2 PFTeDA                          | 67.0      |           | 10 - 130 |      |      |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| 13C3 HFPO-DA                         | 89.7      |           | 40 - 130 |      |      |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| 13C3 PFBS                            | 103       |           | 40 - 135 |      |      |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| 13C3 PFHxS                           | 87.4      |           | 40 - 130 |      |      |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| 13C4 PFBA                            | 102       |           | 5 - 130  |      |      |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| 13C4 PFHpA                           | 96.9      |           | 40 - 130 |      |      |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| 13C5 PFHxA                           | 99.0      |           | 40 - 130 |      |      |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| 13C5 PFPeA                           | 101       |           | 40 - 130 |      |      |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| 13C6 PFDA                            | 95.0      |           | 40 - 130 |      |      |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| 13C7 PFUnA                           | 89.0      |           | 30 - 130 |      |      |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| 13C8 FOSA                            | 90.8      |           | 40 - 130 |      |      |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| 13C8 PFOA                            | 92.9      |           | 40 - 130 |      |      |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| 13C8 PFOS                            | 96.1      |           | 40 - 130 |      |      |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| 13C9 PFNA                            | 92.7      |           | 40 - 130 |      |      |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| d3-NMeFOSAA                          | 88.9      |           | 40 - 170 |      |      |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| d3-NMePFOSA                          | 76.5      |           | 10 - 130 |      |      |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| d5-NEtFOSAA                          | 79.1      |           | 25 - 135 |      |      |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| d5-NEtPFOSA                          | 73.8      |           | 10 - 130 |      |      |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| d7-N-MeFOSE-M                        | 56.6      |           | 10 - 130 |      |      |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |
| d9-N-EtFOSE-M                        | 43.1      |           | 10 - 130 |      |      |   | 10/08/25 08:36 | 10/08/25 22:56 | 1       |

**Lab Sample ID: LCS 410-710704/6-A**  
**Matrix: Water**  
**Analysis Batch: 710552**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 710704**

| Analyte                                                           | Spike Added | LCS    | LCS       | Unit | D | %Rec | %Rec Limits |
|-------------------------------------------------------------------|-------------|--------|-----------|------|---|------|-------------|
|                                                                   |             | Result | Qualifier |      |   |      |             |
| 11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | 37.8        | 32.7   |           | ng/L |   | 87   | 55 - 160    |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)               | 76.8        | 73.7   |           | ng/L |   | 96   | 60 - 150    |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)               | 75.0        | 68.0   |           | ng/L |   | 91   | 70 - 145    |
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)               | 76.2        | 73.4   |           | ng/L |   | 96   | 65 - 155    |
| 3-Perfluoroheptylpropanoic acid (7:3 FTCA)                        | 200         | 135    |           | ng/L |   | 68   | 50 - 145    |
| 3-Perfluoropentylpropanoic acid (5:3 FTCA)                        | 200         | 163    |           | ng/L |   | 81   | 70 - 135    |
| 3-Perfluoropropylpropanoic acid (3:3 FTCA)                        | 80.0        | 64.4   |           | ng/L |   | 81   | 65 - 130    |

# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: LCS 410-710704/6-A**  
**Matrix: Water**  
**Analysis Batch: 710552**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 710704**

| Analyte                                                         | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------------------------------------------|-------------|------------|---------------|------|---|------|-------------|
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA)                     | 37.8        | 39.0       |               | ng/L |   | 103  | 65 - 145    |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS) | 37.4        | 35.5       |               | ng/L |   | 95   | 70 - 155    |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)                  | 30.0        | 28.0       |               | ng/L |   | 93   | 70 - 140    |
| N-ethylperfluorooctane sulfonamide (NEtFOSA)                    | 40.0        | 37.7       |               | ng/L |   | 94   | 65 - 145    |
| N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)             | 200         | 216        |               | ng/L |   | 108  | 70 - 135    |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)         | 40.0        | 38.7       |               | ng/L |   | 97   | 70 - 145    |
| N-methylperfluorooctane sulfonamide (NMeFOSA)                   | 40.0        | 37.5       |               | ng/L |   | 94   | 60 - 150    |
| N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)            | 200         | 193        |               | ng/L |   | 96   | 70 - 145    |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)        | 40.0        | 39.3       |               | ng/L |   | 98   | 50 - 140    |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)                      | 40.0        | 31.6       |               | ng/L |   | 79   | 50 - 150    |
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)               | 35.7        | 36.1       |               | ng/L |   | 101  | 70 - 140    |
| Perfluoro-3-methoxypropanoic acid (PFMPA)                       | 40.0        | 34.0       |               | ng/L |   | 85   | 55 - 140    |
| Perfluoro-4-methoxybutanoic acid (PFMBA)                        | 40.0        | 34.6       |               | ng/L |   | 86   | 60 - 150    |
| Perfluorobutanesulfonic acid (PFBS)                             | 35.5        | 32.3       |               | ng/L |   | 91   | 60 - 145    |
| Perfluorobutanoic acid (PFBA)                                   | 80.0        | 74.9       |               | ng/L |   | 94   | 70 - 140    |
| Perfluorodecanesulfonic acid (PFDS)                             | 38.6        | 33.8       |               | ng/L |   | 88   | 60 - 145    |
| Perfluorodecanoic acid (PFDA)                                   | 40.0        | 35.8       |               | ng/L |   | 90   | 70 - 140    |
| Perfluorododecanesulfonic acid (PFDoS)                          | 38.8        | 30.4       |               | ng/L |   | 78   | 50 - 145    |
| Perfluorododecanoic acid (PFDoA)                                | 40.0        | 34.8       |               | ng/L |   | 87   | 70 - 140    |
| Perfluoroheptanesulfonic acid (PFHpS)                           | 38.2        | 33.8       |               | ng/L |   | 88   | 70 - 150    |
| Perfluoroheptanoic acid (PFHpA)                                 | 40.0        | 37.5       |               | ng/L |   | 94   | 70 - 150    |
| Perfluoroheptanesulfonic acid (PFHxS)                           | 36.5        | 39.4       |               | ng/L |   | 108  | 65 - 145    |
| Perfluorohexanoic acid (PFHxA)                                  | 40.0        | 38.8       |               | ng/L |   | 97   | 70 - 145    |
| Perfluorononanesulfonic acid (PFNS)                             | 38.5        | 35.0       |               | ng/L |   | 91   | 65 - 145    |
| Perfluorononanoic acid (PFNA)                                   | 40.0        | 35.7       |               | ng/L |   | 89   | 70 - 150    |
| Perfluorooctanesulfonamide (PFOSA)                              | 40.0        | 39.0       |               | ng/L |   | 97   | 70 - 145    |
| Perfluorooctanesulfonic acid (PFOS)                             | 37.2        | 32.6       |               | ng/L |   | 88   | 55 - 150    |
| Perfluorooctanoic acid (PFOA)                                   | 40.0        | 36.6       |               | ng/L |   | 92   | 70 - 150    |
| Perfluoropentanesulfonic acid (PFPeS)                           | 37.6        | 40.5       |               | ng/L |   | 108  | 65 - 140    |
| Perfluoropentanoic acid (PFPeA)                                 | 40.0        | 35.1       |               | ng/L |   | 88   | 65 - 135    |

# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: LCS 410-710704/6-A**  
**Matrix: Water**  
**Analysis Batch: 710552**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 710704**

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|------|---|------|-------------|
| Perfluorotetradecanoic acid (PFTeDA) | 40.0        | 35.4       |               | ng/L |   | 89   | 60 - 140    |
| Perfluorotridecanoic acid (PFTrDA)   | 40.0        | 37.3       |               | ng/L |   | 93   | 65 - 140    |
| Perfluoroundecanoic acid (PFUnA)     | 40.0        | 35.4       |               | ng/L |   | 88   | 70 - 145    |

| Isotope Dilution | LCS       |           | Limits   |
|------------------|-----------|-----------|----------|
|                  | %Recovery | Qualifier |          |
| 13C2 4:2 FTS     | 111       |           | 40 - 200 |
| 13C2 6:2 FTS     | 93.4      |           | 40 - 200 |
| 13C2 8:2 FTS     | 110       |           | 40 - 300 |
| 13C2 PFDoA       | 93.9      |           | 10 - 130 |
| 13C2 PFTeDA      | 79.6      |           | 10 - 130 |
| 13C3 HFPO-DA     | 91.7      |           | 40 - 130 |
| 13C3 PFBS        | 110       |           | 40 - 135 |
| 13C3 PFHxS       | 95.4      |           | 40 - 130 |
| 13C4 PFBA        | 103       |           | 5 - 130  |
| 13C4 PFHpA       | 93.7      |           | 40 - 130 |
| 13C5 PFHxA       | 96.2      |           | 40 - 130 |
| 13C5 PFPeA       | 102       |           | 40 - 130 |
| 13C6 PFDA        | 96.0      |           | 40 - 130 |
| 13C7 PFUnA       | 89.6      |           | 30 - 130 |
| 13C8 FOSA        | 88.0      |           | 40 - 130 |
| 13C8 PFOA        | 93.0      |           | 40 - 130 |
| 13C8 PFOS        | 98.1      |           | 40 - 130 |
| 13C9 PFNA        | 103       |           | 40 - 130 |
| d3-NMeFOSAA      | 88.0      |           | 40 - 170 |
| d3-NMePFOSA      | 78.5      |           | 10 - 130 |
| d5-NEtFOSAA      | 78.6      |           | 25 - 135 |
| d5-NEtPFOSA      | 78.4      |           | 10 - 130 |
| d7-N-MeFOSE-M    | 72.7      |           | 10 - 130 |
| d9-N-EtFOSE-M    | 58.2      |           | 10 - 130 |

**Lab Sample ID: LCSD 410-710704/7-A**  
**Matrix: Water**  
**Analysis Batch: 710552**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 710704**

| Analyte                                                           | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec     |     | RPD | Limit |
|-------------------------------------------------------------------|-------------|-------------|----------------|------|---|------|----------|-----|-----|-------|
|                                                                   |             |             |                |      |   |      | Limits   | RPD |     |       |
| 11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | 37.8        | 31.5        |                | ng/L |   | 83   | 55 - 160 | 4   |     | 30    |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)               | 76.8        | 74.8        |                | ng/L |   | 97   | 60 - 150 | 1   |     | 30    |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)               | 75.0        | 64.4        |                | ng/L |   | 86   | 70 - 145 | 6   |     | 30    |
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)               | 76.2        | 81.7        |                | ng/L |   | 107  | 65 - 155 | 11  |     | 30    |
| 3-Perfluoroheptylpropanoic acid (7:3 FTCA)                        | 200         | 127         |                | ng/L |   | 64   | 50 - 145 | 6   |     | 30    |
| 3-Perfluoropentylpropanoic acid (5:3 FTCA)                        | 200         | 158         |                | ng/L |   | 79   | 70 - 135 | 3   |     | 30    |

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# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: LCSD 410-710704/7-A**  
**Matrix: Water**  
**Analysis Batch: 710552**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 710704**

| Analyte                                                         | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------------------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| 3-Perfluoropropylpropanoic acid (3:3 FTCA)                      | 80.0        | 63.7        |                | ng/L |   | 80   | 65 - 130    | 1   | 30        |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA)                     | 37.8        | 40.4        |                | ng/L |   | 107  | 65 - 145    | 4   | 30        |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) | 37.4        | 35.4        |                | ng/L |   | 95   | 70 - 155    | 0   | 30        |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)                  | 30.0        | 29.6        |                | ng/L |   | 99   | 70 - 140    | 5   | 30        |
| N-ethylperfluorooctane sulfonamide (NEtFOSA)                    | 40.0        | 38.7        |                | ng/L |   | 97   | 65 - 145    | 3   | 30        |
| N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)             | 200         | 203         |                | ng/L |   | 101  | 70 - 135    | 6   | 30        |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)         | 40.0        | 37.9        |                | ng/L |   | 95   | 70 - 145    | 2   | 30        |
| N-methylperfluorooctane sulfonamide (NMeFOSA)                   | 40.0        | 38.8        |                | ng/L |   | 97   | 60 - 150    | 3   | 30        |
| N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)            | 200         | 197         |                | ng/L |   | 98   | 70 - 145    | 2   | 30        |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)        | 40.0        | 38.0        |                | ng/L |   | 95   | 50 - 140    | 3   | 30        |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)                      | 40.0        | 30.4        |                | ng/L |   | 76   | 50 - 150    | 4   | 30        |
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)               | 35.7        | 34.5        |                | ng/L |   | 97   | 70 - 140    | 5   | 30        |
| Perfluoro-3-methoxypropanoic acid (PFMPA)                       | 40.0        | 34.3        |                | ng/L |   | 86   | 55 - 140    | 1   | 30        |
| Perfluoro-4-methoxybutanoic acid (PFMBA)                        | 40.0        | 35.3        |                | ng/L |   | 88   | 60 - 150    | 2   | 30        |
| Perfluorobutanesulfonic acid (PFBS)                             | 35.5        | 36.4        |                | ng/L |   | 103  | 60 - 145    | 12  | 30        |
| Perfluorobutanoic acid (PFBA)                                   | 80.0        | 75.8        |                | ng/L |   | 95   | 70 - 140    | 1   | 30        |
| Perfluorodecanesulfonic acid (PFDS)                             | 38.6        | 34.2        |                | ng/L |   | 89   | 60 - 145    | 1   | 30        |
| Perfluorodecanoic acid (PFDA)                                   | 40.0        | 34.6        |                | ng/L |   | 87   | 70 - 140    | 3   | 30        |
| Perfluorododecanesulfonic acid (PFDoS)                          | 38.8        | 23.3        |                | ng/L |   | 60   | 50 - 145    | 26  | 30        |
| Perfluorododecanoic acid (PFDoA)                                | 40.0        | 34.8        |                | ng/L |   | 87   | 70 - 140    | 0   | 30        |
| Perfluoroheptanesulfonic acid (PFHpS)                           | 38.2        | 35.6        |                | ng/L |   | 93   | 70 - 150    | 5   | 30        |
| Perfluoroheptanoic acid (PFHpA)                                 | 40.0        | 37.2        |                | ng/L |   | 93   | 70 - 150    | 1   | 30        |
| Perfluorohexanesulfonic acid (PFHxS)                            | 36.5        | 39.8        |                | ng/L |   | 109  | 65 - 145    | 1   | 30        |
| Perfluorohexanoic acid (PFHxA)                                  | 40.0        | 36.9        |                | ng/L |   | 92   | 70 - 145    | 5   | 30        |
| Perfluorononanesulfonic acid (PFNS)                             | 38.5        | 34.5        |                | ng/L |   | 90   | 65 - 145    | 1   | 30        |
| Perfluorononanoic acid (PFNA)                                   | 40.0        | 38.5        |                | ng/L |   | 96   | 70 - 150    | 7   | 30        |
| Perfluorooctanesulfonamide (PFOSA)                              | 40.0        | 39.0        |                | ng/L |   | 98   | 70 - 145    | 0   | 30        |
| Perfluorooctanesulfonic acid (PFOS)                             | 37.2        | 32.1        |                | ng/L |   | 86   | 55 - 150    | 1   | 30        |
| Perfluorooctanoic acid (PFOA)                                   | 40.0        | 37.4        |                | ng/L |   | 94   | 70 - 150    | 2   | 30        |
| Perfluoropentanesulfonic acid (PFPeS)                           | 37.6        | 41.5        |                | ng/L |   | 110  | 65 - 140    | 2   | 30        |

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# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: LCSD 410-710704/7-A**  
**Matrix: Water**  
**Analysis Batch: 710552**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 710704**

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Perfluoropentanoic acid (PFPeA)      | 40.0        | 36.2        |                | ng/L |   | 91   | 65 - 135    | 3   | 30        |
| Perfluorotetradecanoic acid (PFTeDA) | 40.0        | 30.6        |                | ng/L |   | 77   | 60 - 140    | 15  | 30        |
| Perfluorotridecanoic acid (PFTrDA)   | 40.0        | 35.8        |                | ng/L |   | 89   | 65 - 140    | 4   | 30        |
| Perfluoroundecanoic acid (PFUnA)     | 40.0        | 37.0        |                | ng/L |   | 93   | 70 - 145    | 5   | 30        |

| Isotope Dilution | LCSD      |           | Limits   |
|------------------|-----------|-----------|----------|
|                  | %Recovery | Qualifier |          |
| 13C2 4:2 FTS     | 109       |           | 40 - 200 |
| 13C2 6:2 FTS     | 94.3      |           | 40 - 200 |
| 13C2 8:2 FTS     | 103       |           | 40 - 300 |
| 13C2 PFDoA       | 87.9      |           | 10 - 130 |
| 13C2 PFTeDA      | 63.6      |           | 10 - 130 |
| 13C3 HFPO-DA     | 88.6      |           | 40 - 130 |
| 13C3 PFBS        | 100       |           | 40 - 135 |
| 13C3 PFHxS       | 89.7      |           | 40 - 130 |
| 13C4 PFBA        | 97.7      |           | 5 - 130  |
| 13C4 PFHpA       | 92.3      |           | 40 - 130 |
| 13C5 PFHxA       | 100       |           | 40 - 130 |
| 13C5 PFPeA       | 97.4      |           | 40 - 130 |
| 13C6 PFDA        | 90.7      |           | 40 - 130 |
| 13C7 PFUnA       | 86.1      |           | 30 - 130 |
| 13C8 FOSA        | 86.6      |           | 40 - 130 |
| 13C8 PFOA        | 88.4      |           | 40 - 130 |
| 13C8 PFOS        | 95.5      |           | 40 - 130 |
| 13C9 PFNA        | 93.5      |           | 40 - 130 |
| d3-NMeFOSAA      | 87.5      |           | 40 - 170 |
| d3-NMePFOSA      | 72.3      |           | 10 - 130 |
| d5-NEtFOSAA      | 76.6      |           | 25 - 135 |
| d5-NEtPFOSA      | 71.0      |           | 10 - 130 |
| d7-N-MeFOSE-M    | 61.1      |           | 10 - 130 |
| d9-N-EtFOSE-M    | 55.0      |           | 10 - 130 |

**Lab Sample ID: LLCS 410-710704/8-A**  
**Matrix: Water**  
**Analysis Batch: 710552**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 710704**

| Analyte                                                            | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------------------------------------|-------------|-------------|----------------|------|---|------|-------------|
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | 3.78        | 3.03        |                | ng/L |   | 80   | 55 - 160    |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)                | 7.68        | 6.79        |                | ng/L |   | 88   | 60 - 150    |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)                | 7.50        | 6.10        |                | ng/L |   | 81   | 70 - 145    |
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)                | 7.62        | 6.58        |                | ng/L |   | 86   | 65 - 155    |
| 3-Perfluoroheptylpropanoic acid (7:3 FTCA)                         | 20.0        | 12.0        |                | ng/L |   | 60   | 50 - 145    |

# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: LLCS 410-710704/8-A**  
**Matrix: Water**  
**Analysis Batch: 710552**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 710704**

| Analyte                                                       | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------------------------------------------|-------------|-------------|----------------|------|---|------|-------------|
| 3-Perfluoropentylpropanoic acid (5:3 FTCA)                    | 20.0        | 16.8        |                | ng/L |   | 84   | 70 - 135    |
| 3-Perfluoropropylpropanoic acid (3:3 FTCA)                    | 8.00        | 5.57        |                | ng/L |   | 70   | 65 - 130    |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA)                   | 3.78        | 3.94        |                | ng/L |   | 104  | 65 - 145    |
| 9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS) | 3.74        | 3.43        |                | ng/L |   | 92   | 70 - 155    |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)                | 3.00        | 2.31        |                | ng/L |   | 77   | 70 - 140    |
| N-ethylperfluorooctane sulfonamide (NEtFOSA)                  | 4.00        | 3.07        |                | ng/L |   | 77   | 65 - 145    |
| N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)           | 20.0        | 22.6        |                | ng/L |   | 113  | 70 - 135    |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)       | 4.00        | 3.77        |                | ng/L |   | 94   | 70 - 145    |
| N-methylperfluorooctane sulfonamide (NMeFOSA)                 | 4.00        | 3.54        |                | ng/L |   | 89   | 60 - 150    |
| N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)          | 20.0        | 22.5        |                | ng/L |   | 113  | 70 - 145    |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)      | 4.00        | 2.58        |                | ng/L |   | 65   | 50 - 140    |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)                    | 4.00        | 3.20        |                | ng/L |   | 80   | 50 - 150    |
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)             | 3.57        | 2.64        |                | ng/L |   | 74   | 70 - 140    |
| Perfluoro-3-methoxypropanoic acid (PFMPA)                     | 4.00        | 3.03        |                | ng/L |   | 76   | 55 - 140    |
| Perfluoro-4-methoxybutanoic acid (PFMBA)                      | 4.00        | 3.16        |                | ng/L |   | 79   | 60 - 150    |
| Perfluorobutanesulfonic acid (PFBS)                           | 3.55        | 3.02        |                | ng/L |   | 85   | 60 - 145    |
| Perfluorobutanoic acid (PFBA)                                 | 8.00        | 5.92        |                | ng/L |   | 74   | 70 - 140    |
| Perfluorodecanesulfonic acid (PFDS)                           | 3.86        | 2.98        |                | ng/L |   | 77   | 60 - 145    |
| Perfluorodecanoic acid (PFDA)                                 | 4.00        | 3.08        |                | ng/L |   | 77   | 70 - 140    |
| Perfluorododecanesulfonic acid (PFDoS)                        | 3.88        | 2.15        |                | ng/L |   | 55   | 50 - 145    |
| Perfluorododecanoic acid (PFDoA)                              | 4.00        | 3.05        |                | ng/L |   | 76   | 70 - 140    |
| Perfluoroheptanesulfonic acid (PFHpS)                         | 3.82        | 3.10        |                | ng/L |   | 81   | 70 - 150    |
| Perfluoroheptanoic acid (PFHpA)                               | 4.00        | 3.60        |                | ng/L |   | 90   | 70 - 150    |
| Perfluorohexanesulfonic acid (PFHxS)                          | 3.65        | 3.76        |                | ng/L |   | 103  | 65 - 145    |
| Perfluorohexanoic acid (PFHxA)                                | 4.00        | 3.37        |                | ng/L |   | 84   | 70 - 145    |
| Perfluorononanesulfonic acid (PFNS)                           | 3.85        | 2.81        |                | ng/L |   | 73   | 65 - 145    |
| Perfluorononanoic acid (PFNA)                                 | 4.00        | 3.41        |                | ng/L |   | 85   | 70 - 150    |
| Perfluorooctanesulfonamide (PFOSA)                            | 4.00        | 3.80        |                | ng/L |   | 95   | 70 - 145    |
| Perfluorooctanesulfonic acid (PFOS)                           | 3.72        | 5.56        |                | ng/L |   | 150  | 55 - 150    |
| Perfluorooctanoic acid (PFOA)                                 | 4.00        | 3.47        |                | ng/L |   | 87   | 70 - 150    |

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# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: LLCS 410-710704/8-A**  
**Matrix: Water**  
**Analysis Batch: 710552**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 710704**

| Analyte                               | Spike<br>Added | LLCS<br>Result | LLCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|---------------------------------------|----------------|----------------|-------------------|------|---|------|----------------|
| Perfluoropentanesulfonic acid (PFPeS) | 3.76           | 3.50           |                   | ng/L |   | 93   | 65 - 140       |
| Perfluoropentanoic acid (PFPeA)       | 4.00           | 3.04           |                   | ng/L |   | 76   | 65 - 135       |
| Perfluorotetradecanoic acid (PFTeDA)  | 4.00           | 2.99           |                   | ng/L |   | 75   | 60 - 140       |
| Perfluorotridecanoic acid (PFTrDA)    | 4.00           | 3.21           |                   | ng/L |   | 80   | 65 - 140       |
| Perfluoroundecanoic acid (PFUnA)      | 4.00           | 3.33           |                   | ng/L |   | 83   | 70 - 145       |

| Isotope Dilution | LLCS<br>%Recovery | LLCS<br>Qualifier | Limits   |
|------------------|-------------------|-------------------|----------|
| 13C2 4:2 FTS     | 112               |                   | 40 - 200 |
| 13C2 6:2 FTS     | 101               |                   | 40 - 200 |
| 13C2 8:2 FTS     | 113               |                   | 40 - 300 |
| 13C2 PFDoA       | 89.1              |                   | 10 - 130 |
| 13C2 PFTeDA      | 73.8              |                   | 10 - 130 |
| 13C3 HFPO-DA     | 84.6              |                   | 40 - 130 |
| 13C3 PFBS        | 108               |                   | 40 - 135 |
| 13C3 PFHxS       | 94.4              |                   | 40 - 130 |
| 13C4 PFBA        | 101               |                   | 5 - 130  |
| 13C4 PFHpA       | 93.5              |                   | 40 - 130 |
| 13C5 PFHxA       | 100               |                   | 40 - 130 |
| 13C5 PFPeA       | 101               |                   | 40 - 130 |
| 13C6 PFDA        | 91.0              |                   | 40 - 130 |
| 13C7 PFUnA       | 90.9              |                   | 30 - 130 |
| 13C8 FOSA        | 87.3              |                   | 40 - 130 |
| 13C8 PFOA        | 90.3              |                   | 40 - 130 |
| 13C8 PFOS        | 99.2              |                   | 40 - 130 |
| 13C9 PFNA        | 95.0              |                   | 40 - 130 |
| d3-NMeFOSAA      | 98.0              |                   | 40 - 170 |
| d3-NMePFOSA      | 78.3              |                   | 10 - 130 |
| d5-NEtFOSAA      | 83.9              |                   | 25 - 135 |
| d5-NEtPFOSA      | 77.3              |                   | 10 - 130 |
| d7-N-MeFOSE-M    | 67.4              |                   | 10 - 130 |
| d9-N-EtFOSE-M    | 55.8              |                   | 10 - 130 |

## Method: 6010D - Metals (ICP)

**Lab Sample ID: MB 480-758178/1-A**  
**Matrix: Water**  
**Analysis Batch: 758324**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 758178**

| Analyte | MB<br>Result | MB<br>Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------------|-----------------|-------|-------|------|---|----------------|----------------|---------|
| Iron    | ND           |                 | 0.050 | 0.019 | mg/L |   | 09/29/25 08:35 | 09/29/25 14:54 | 1       |

# QC Sample Results

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

Job ID: 480-232963-1

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

**Lab Sample ID: LCS 480-758178/2-A**  
**Matrix: Water**  
**Analysis Batch: 758324**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 758178**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Iron    | 5.10        | 5.35       |               | mg/L |   | 105  | 80 - 120    |

**Lab Sample ID: LCSD 480-758178/3-A**  
**Matrix: Water**  
**Analysis Batch: 758324**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 758178**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Iron    | 5.10        | 5.38        |                | mg/L |   | 105  | 80 - 120    | 0   | 20        |

**Lab Sample ID: MB 480-758180/1-A**  
**Matrix: Water**  
**Analysis Batch: 758350**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 758180**

| Analyte         | MB Result | MB Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|-----------|--------------|-------|-------|------|---|----------------|----------------|---------|
| Iron, Dissolved | ND        |              | 0.050 | 0.019 | mg/L |   | 09/29/25 08:34 | 09/29/25 23:53 | 1       |

**Lab Sample ID: LCS 480-758180/2-A**  
**Matrix: Water**  
**Analysis Batch: 758350**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 758180**

| Analyte         | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------|-------------|------------|---------------|------|---|------|-------------|
| Iron, Dissolved | 5.10        | 5.40       |               | mg/L |   | 106  | 80 - 120    |

**Lab Sample ID: 480-232963-1 MS**  
**Matrix: Water**  
**Analysis Batch: 758350**

**Client Sample ID: MW1R**  
**Prep Type: Dissolved**  
**Prep Batch: 758180**

| Analyte         | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Iron, Dissolved | 0.21          |                  | 5.10        | 5.55      |              | mg/L |   | 105  | 75 - 125    |

**Lab Sample ID: 480-232963-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 758350**

**Client Sample ID: MW1R**  
**Prep Type: Dissolved**  
**Prep Batch: 758180**

| Analyte         | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Iron, Dissolved | 0.21          |                  | 5.10        | 5.59       |               | mg/L |   | 106  | 75 - 125    | 1   | 20        |

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 480-758298/28**  
**Matrix: Water**  
**Analysis Batch: 758298**

**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 |   |          | 09/29/25 21:33 | 1       |

# QC Sample Results

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

Job ID: 480-232963-1

## Method: 300.0 - Anions, Ion Chromatography (Continued)

**Lab Sample ID: LCS 480-758298/29**  
**Matrix: Water**  
**Analysis Batch: 758298**

**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        | 47.43      |               | mg/L |   | 95   | 90 - 110    |

**Lab Sample ID: 480-232963-4 MS**  
**Matrix: Water**  
**Analysis Batch: 758298**

**Client Sample ID: MW3I**  
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Sulfate | 79.9          |                  | 250         | 284.0     |              | mg/L |   | 82   | 80 - 120    |

**Lab Sample ID: MB 480-758402/4**  
**Matrix: Water**  
**Analysis Batch: 758402**

**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 |   |          | 09/30/25 15:24 | 1       |

**Lab Sample ID: LCS 480-758402/5**  
**Matrix: Water**  
**Analysis Batch: 758402**

**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        | 47.13      |               | mg/L |   | 94   | 90 - 110    |

# QC Association Summary

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

Job ID: 480-232963-1

## GC/MS VOA

### Analysis Batch: 758407

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 480-232963-1     | MW1R               | Total/NA  | Water  | 8260C  |            |
| 480-232963-2     | MW2R               | Total/NA  | Water  | 8260C  |            |
| 480-232963-3     | MW3S               | Total/NA  | Water  | 8260C  |            |
| 480-232963-5     | MW4S               | Total/NA  | Water  | 8260C  |            |
| 480-232963-6     | MW4I               | Total/NA  | Water  | 8260C  |            |
| 480-232963-7     | MW5S               | Total/NA  | Water  | 8260C  |            |
| 480-232963-8     | MW5I               | Total/NA  | Water  | 8260C  |            |
| 480-232963-9     | MW6                | Total/NA  | Water  | 8260C  |            |
| 480-232963-10    | MW7                | Total/NA  | Water  | 8260C  |            |
| 480-232963-11    | MW8                | Total/NA  | Water  | 8260C  |            |
| 480-232963-12    | MW11               | Total/NA  | Water  | 8260C  |            |
| 480-232963-13    | MW12S              | Total/NA  | Water  | 8260C  |            |
| 480-232963-14    | MW1C               | Total/NA  | Water  | 8260C  |            |
| 480-232963-15    | MW1D               | Total/NA  | Water  | 8260C  |            |
| 480-232963-16    | MW1E               | Total/NA  | Water  | 8260C  |            |
| 480-232963-17    | TB                 | Total/NA  | Water  | 8260C  |            |
| MB 480-758407/8  | Method Blank       | Total/NA  | Water  | 8260C  |            |
| LCS 480-758407/6 | Lab Control Sample | Total/NA  | Water  | 8260C  |            |
| 480-232963-6 MS  | MW4I               | Total/NA  | Water  | 8260C  |            |
| 480-232963-6 MSD | MW4I               | Total/NA  | Water  | 8260C  |            |

### Analysis Batch: 758501

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 480-232963-4     | MW3I               | Total/NA  | Water  | 8260C  |            |
| MB 480-758501/8  | Method Blank       | Total/NA  | Water  | 8260C  |            |
| LCS 480-758501/6 | Lab Control Sample | Total/NA  | Water  | 8260C  |            |

## GC VOA

### Analysis Batch: 758460

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method  | Prep Batch |
|-------------------|------------------------|-----------|--------|---------|------------|
| 480-232963-1      | MW1R                   | Total/NA  | Water  | RSK-175 |            |
| 480-232963-1 - DL | MW1R                   | Total/NA  | Water  | RSK-175 |            |
| 480-232963-2      | MW2R                   | Total/NA  | Water  | RSK-175 |            |
| 480-232963-2 - DL | MW2R                   | Total/NA  | Water  | RSK-175 |            |
| 480-232963-3      | MW3S                   | Total/NA  | Water  | RSK-175 |            |
| 480-232963-4      | MW3I                   | Total/NA  | Water  | RSK-175 |            |
| 480-232963-5      | MW4S                   | Total/NA  | Water  | RSK-175 |            |
| 480-232963-5 - DL | MW4S                   | Total/NA  | Water  | RSK-175 |            |
| 480-232963-6      | MW4I                   | Total/NA  | Water  | RSK-175 |            |
| 480-232963-6 - DL | MW4I                   | Total/NA  | Water  | RSK-175 |            |
| MB 480-758460/4   | Method Blank           | Total/NA  | Water  | RSK-175 |            |
| LCS 480-758460/5  | Lab Control Sample     | Total/NA  | Water  | RSK-175 |            |
| LCSD 480-758460/6 | Lab Control Sample Dup | Total/NA  | Water  | RSK-175 |            |

## LCMS

### Analysis Batch: 707164

| Lab Sample ID       | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 480-232963-3 - RE   | MW3S               | Total/NA  | Water  | 1633A  | 707351     |
| MB 410-707351/16-A  | Method Blank       | Total/NA  | Water  | 1633A  | 707351     |
| LCS 410-707351/17-A | Lab Control Sample | Total/NA  | Water  | 1633A  | 707351     |

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# QC Association Summary

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

Job ID: 480-232963-1

## LCMS (Continued)

### Analysis Batch: 707164 (Continued)

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| LCSD 410-707351/18-A | Lab Control Sample Dup | Total/NA  | Water  | 1633A  | 707351     |

### Prep Batch: 707351

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 480-232963-3 - RE    | MW3S                   | Total/NA  | Water  | 1633A  |            |
| MB 410-707351/16-A   | Method Blank           | Total/NA  | Water  | 1633A  |            |
| LCS 410-707351/17-A  | Lab Control Sample     | Total/NA  | Water  | 1633A  |            |
| LCSD 410-707351/18-A | Lab Control Sample Dup | Total/NA  | Water  | 1633A  |            |

### Prep Batch: 708885

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 480-232963-7         | MW5S                   | Total/NA  | Water  | 1633A  |            |
| 480-232963-8         | MW5I                   | Total/NA  | Water  | 1633A  |            |
| MB 410-708885/15-A   | Method Blank           | Total/NA  | Water  | 1633A  |            |
| LCS 410-708885/16-A  | Lab Control Sample     | Total/NA  | Water  | 1633A  |            |
| LCSD 410-708885/17-A | Lab Control Sample Dup | Total/NA  | Water  | 1633A  |            |
| LLCS 410-708885/18-A | Lab Control Sample     | Total/NA  | Water  | 1633A  |            |

### Analysis Batch: 709341

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 480-232963-7         | MW5S                   | Total/NA  | Water  | 1633A  | 708885     |
| 480-232963-8         | MW5I                   | Total/NA  | Water  | 1633A  | 708885     |
| MB 410-708885/15-A   | Method Blank           | Total/NA  | Water  | 1633A  | 708885     |
| LCS 410-708885/16-A  | Lab Control Sample     | Total/NA  | Water  | 1633A  | 708885     |
| LCSD 410-708885/17-A | Lab Control Sample Dup | Total/NA  | Water  | 1633A  | 708885     |
| LLCS 410-708885/18-A | Lab Control Sample     | Total/NA  | Water  | 1633A  | 708885     |

### Analysis Batch: 710552

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 480-232963-3        | MW3S                   | Total/NA  | Water  | 1633A  | 710704     |
| 480-232963-4        | MW3I                   | Total/NA  | Water  | 1633A  | 710704     |
| 480-232963-5        | MW4S                   | Total/NA  | Water  | 1633A  | 710704     |
| 480-232963-6        | MW4I                   | Total/NA  | Water  | 1633A  | 710704     |
| MB 410-710704/5-A   | Method Blank           | Total/NA  | Water  | 1633A  | 710704     |
| LCS 410-710704/6-A  | Lab Control Sample     | Total/NA  | Water  | 1633A  | 710704     |
| LCSD 410-710704/7-A | Lab Control Sample Dup | Total/NA  | Water  | 1633A  | 710704     |
| LLCS 410-710704/8-A | Lab Control Sample     | Total/NA  | Water  | 1633A  | 710704     |

### Prep Batch: 710704

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 480-232963-3        | MW3S                   | Total/NA  | Water  | 1633A  |            |
| 480-232963-4        | MW3I                   | Total/NA  | Water  | 1633A  |            |
| 480-232963-5        | MW4S                   | Total/NA  | Water  | 1633A  |            |
| 480-232963-6        | MW4I                   | Total/NA  | Water  | 1633A  |            |
| MB 410-710704/5-A   | Method Blank           | Total/NA  | Water  | 1633A  |            |
| LCS 410-710704/6-A  | Lab Control Sample     | Total/NA  | Water  | 1633A  |            |
| LCSD 410-710704/7-A | Lab Control Sample Dup | Total/NA  | Water  | 1633A  |            |
| LLCS 410-710704/8-A | Lab Control Sample     | Total/NA  | Water  | 1633A  |            |

# QC Association Summary

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

Job ID: 480-232963-1

## Metals

### Prep Batch: 758178

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 480-232963-1        | MW1R                   | Total/NA  | Water  | 3005A  |            |
| 480-232963-2        | MW2R                   | Total/NA  | Water  | 3005A  |            |
| 480-232963-3        | MW3S                   | Total/NA  | Water  | 3005A  |            |
| 480-232963-4        | MW3I                   | Total/NA  | Water  | 3005A  |            |
| 480-232963-5        | MW4S                   | Total/NA  | Water  | 3005A  |            |
| 480-232963-6        | MW4I                   | Total/NA  | Water  | 3005A  |            |
| MB 480-758178/1-A   | Method Blank           | Total/NA  | Water  | 3005A  |            |
| LCS 480-758178/2-A  | Lab Control Sample     | Total/NA  | Water  | 3005A  |            |
| LCSD 480-758178/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3005A  |            |

### Prep Batch: 758180

| Lab Sample ID      | Client Sample ID   | Prep Type         | Matrix | Method | Prep Batch |
|--------------------|--------------------|-------------------|--------|--------|------------|
| 480-232963-1       | MW1R               | Dissolved         | Water  | 3005A  |            |
| 480-232963-2       | MW2R               | Dissolved         | Water  | 3005A  |            |
| 480-232963-3       | MW3S               | Dissolved         | Water  | 3005A  |            |
| 480-232963-4       | MW3I               | Dissolved         | Water  | 3005A  |            |
| 480-232963-5       | MW4S               | Dissolved         | Water  | 3005A  |            |
| 480-232963-6       | MW4I               | Dissolved         | Water  | 3005A  |            |
| MB 480-758180/1-A  | Method Blank       | Total Recoverable | Water  | 3005A  |            |
| LCS 480-758180/2-A | Lab Control Sample | Total Recoverable | Water  | 3005A  |            |
| 480-232963-1 MS    | MW1R               | Dissolved         | Water  | 3005A  |            |
| 480-232963-1 MSD   | MW1R               | Dissolved         | Water  | 3005A  |            |

### Analysis Batch: 758324

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 480-232963-1        | MW1R                   | Total/NA  | Water  | 6010D  | 758178     |
| 480-232963-2        | MW2R                   | Total/NA  | Water  | 6010D  | 758178     |
| 480-232963-3        | MW3S                   | Total/NA  | Water  | 6010D  | 758178     |
| 480-232963-4        | MW3I                   | Total/NA  | Water  | 6010D  | 758178     |
| 480-232963-5        | MW4S                   | Total/NA  | Water  | 6010D  | 758178     |
| 480-232963-6        | MW4I                   | Total/NA  | Water  | 6010D  | 758178     |
| MB 480-758178/1-A   | Method Blank           | Total/NA  | Water  | 6010D  | 758178     |
| LCS 480-758178/2-A  | Lab Control Sample     | Total/NA  | Water  | 6010D  | 758178     |
| LCSD 480-758178/3-A | Lab Control Sample Dup | Total/NA  | Water  | 6010D  | 758178     |

### Analysis Batch: 758350

| Lab Sample ID      | Client Sample ID   | Prep Type         | Matrix | Method | Prep Batch |
|--------------------|--------------------|-------------------|--------|--------|------------|
| 480-232963-1       | MW1R               | Dissolved         | Water  | 6010D  | 758180     |
| 480-232963-2       | MW2R               | Dissolved         | Water  | 6010D  | 758180     |
| 480-232963-3       | MW3S               | Dissolved         | Water  | 6010D  | 758180     |
| 480-232963-4       | MW3I               | Dissolved         | Water  | 6010D  | 758180     |
| 480-232963-5       | MW4S               | Dissolved         | Water  | 6010D  | 758180     |
| 480-232963-6       | MW4I               | Dissolved         | Water  | 6010D  | 758180     |
| MB 480-758180/1-A  | Method Blank       | Total Recoverable | Water  | 6010D  | 758180     |
| LCS 480-758180/2-A | Lab Control Sample | Total Recoverable | Water  | 6010D  | 758180     |
| 480-232963-1 MS    | MW1R               | Dissolved         | Water  | 6010D  | 758180     |
| 480-232963-1 MSD   | MW1R               | Dissolved         | Water  | 6010D  | 758180     |

# QC Association Summary

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

Job ID: 480-232963-1

## General Chemistry

### Analysis Batch: 758298

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 480-232963-1      | MW1R               | Total/NA  | Water  | 300.0  |            |
| 480-232963-2      | MW2R               | Total/NA  | Water  | 300.0  |            |
| 480-232963-3      | MW3S               | Total/NA  | Water  | 300.0  |            |
| 480-232963-4      | MW3I               | Total/NA  | Water  | 300.0  |            |
| MB 480-758298/28  | Method Blank       | Total/NA  | Water  | 300.0  |            |
| LCS 480-758298/29 | Lab Control Sample | Total/NA  | Water  | 300.0  |            |
| 480-232963-4 MS   | MW3I               | Total/NA  | Water  | 300.0  |            |

### Analysis Batch: 758402

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 480-232963-5     | MW4S               | Total/NA  | Water  | 300.0  |            |
| 480-232963-6     | MW4I               | Total/NA  | Water  | 300.0  |            |
| MB 480-758402/4  | Method Blank       | Total/NA  | Water  | 300.0  |            |
| LCS 480-758402/5 | Lab Control Sample | Total/NA  | Water  | 300.0  |            |



# Lab Chronicle

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

Job ID: 480-232963-1

**Client Sample ID: MW1R**

**Lab Sample ID: 480-232963-1**

**Date Collected: 09/24/25 14:30**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260C        |     | 5               | 758407       | ATG     | EET BUF | 10/01/25 01:19       |
| Total/NA  | Analysis   | RSK-175      |     | 1               | 758460       | MAN     | EET BUF | 10/01/25 10:47       |
| Total/NA  | Analysis   | RSK-175      | DL  | 22              | 758460       | MAN     | EET BUF | 10/01/25 12:40       |
| Dissolved | Prep       | 3005A        |     |                 | 758180       | EMO     | EET BUF | 09/29/25 08:34       |
| Dissolved | Analysis   | 6010D        |     | 1               | 758350       | BMB     | EET BUF | 09/29/25 23:58       |
| Total/NA  | Prep       | 3005A        |     |                 | 758178       | EMO     | EET BUF | 09/29/25 08:35       |
| Total/NA  | Analysis   | 6010D        |     | 1               | 758324       | MP      | EET BUF | 09/29/25 15:41       |
| Total/NA  | Analysis   | 300.0        |     | 5               | 758298       | AF      | EET BUF | 09/30/25 01:42       |

**Client Sample ID: MW2R**

**Lab Sample ID: 480-232963-2**

**Date Collected: 09/24/25 12:30**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 758407       | ATG     | EET BUF | 10/01/25 01:42       |
| Total/NA  | Analysis   | RSK-175      |     | 1               | 758460       | MAN     | EET BUF | 10/01/25 11:06       |
| Total/NA  | Analysis   | RSK-175      | DL  | 22              | 758460       | MAN     | EET BUF | 10/01/25 12:59       |
| Dissolved | Prep       | 3005A        |     |                 | 758180       | EMO     | EET BUF | 09/29/25 08:34       |
| Dissolved | Analysis   | 6010D        |     | 1               | 758350       | BMB     | EET BUF | 09/30/25 00:15       |
| Total/NA  | Prep       | 3005A        |     |                 | 758178       | EMO     | EET BUF | 09/29/25 08:35       |
| Total/NA  | Analysis   | 6010D        |     | 1               | 758324       | MP      | EET BUF | 09/29/25 15:43       |
| Total/NA  | Analysis   | 300.0        |     | 5               | 758298       | AF      | EET BUF | 09/30/25 01:56       |

**Client Sample ID: MW3S**

**Lab Sample ID: 480-232963-3**

**Date Collected: 09/24/25 14:15**

**Matrix: Water**

**Date Received: 09/26/25 10:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260C        |     | 2000            | 758407       | ATG     | EET BUF | 10/01/25 02:05       |
| Total/NA  | Analysis   | RSK-175      |     | 110             | 758460       | MAN     | EET BUF | 10/01/25 11:25       |
| Total/NA  | Prep       | 1633A        | RE  |                 | 707351       | W2FB    | ELLE    | 10/01/25 08:35       |
| Total/NA  | Analysis   | 1633A        | RE  | 1               | 707164       | RPU6    | ELLE    | 10/02/25 03:58       |
| Total/NA  | Prep       | 1633A        |     |                 | 710704       | W2FB    | ELLE    | 10/08/25 08:36       |
| Total/NA  | Analysis   | 1633A        |     | 1               | 710552       | DX7G    | ELLE    | 10/09/25 03:28       |
| Dissolved | Prep       | 3005A        |     |                 | 758180       | EMO     | EET BUF | 09/29/25 08:34       |
| Dissolved | Analysis   | 6010D        |     | 1               | 758350       | BMB     | EET BUF | 09/30/25 00:17       |
| Total/NA  | Prep       | 3005A        |     |                 | 758178       | EMO     | EET BUF | 09/29/25 08:35       |
| Total/NA  | Analysis   | 6010D        |     | 1               | 758324       | MP      | EET BUF | 09/29/25 15:45       |
| Total/NA  | Analysis   | 300.0        |     | 10              | 758298       | AF      | EET BUF | 09/30/25 02:11       |

# Lab Chronicle

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

Job ID: 480-232963-1

**Client Sample ID: MW3I**  
**Date Collected: 09/24/25 11:50**  
**Date Received: 09/26/25 10:00**

**Lab Sample ID: 480-232963-4**  
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 758501       | ATG           | EET BUF | 10/01/25 16:02       |
| Total/NA  | Analysis   | RSK-175      |     | 1               | 758460       | MAN           | EET BUF | 10/01/25 11:44       |
| Total/NA  | Prep       | 1633A        |     |                 | 710704       | W2FB          | ELLE    | 10/08/25 08:36       |
| Total/NA  | Analysis   | 1633A        |     | 1               | 710552       | DX7G          | ELLE    | 10/09/25 03:41       |
| Dissolved | Prep       | 3005A        |     |                 | 758180       | EMO           | EET BUF | 09/29/25 08:34       |
| Dissolved | Analysis   | 6010D        |     | 1               | 758350       | BMB           | EET BUF | 09/30/25 00:19       |
| Total/NA  | Prep       | 3005A        |     |                 | 758178       | EMO           | EET BUF | 09/29/25 08:35       |
| Total/NA  | Analysis   | 6010D        |     | 1               | 758324       | MP            | EET BUF | 09/29/25 15:47       |
| Total/NA  | Analysis   | 300.0        |     | 5               | 758298       | AF            | EET BUF | 09/30/25 02:26       |

**Client Sample ID: MW4S**  
**Date Collected: 09/24/25 15:00**  
**Date Received: 09/26/25 10:00**

**Lab Sample ID: 480-232963-5**  
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Total/NA  | Analysis   | 8260C        |     | 2000            | 758407       | ATG           | EET BUF | 10/01/25 02:51       |
| Total/NA  | Analysis   | RSK-175      |     | 1               | 758460       | MAN           | EET BUF | 10/01/25 12:03       |
| Total/NA  | Analysis   | RSK-175      | DL  | 44              | 758460       | MAN           | EET BUF | 10/01/25 13:18       |
| Total/NA  | Prep       | 1633A        |     |                 | 710704       | W2FB          | ELLE    | 10/08/25 08:36       |
| Total/NA  | Analysis   | 1633A        |     | 1               | 710552       | DX7G          | ELLE    | 10/09/25 03:55       |
| Dissolved | Prep       | 3005A        |     |                 | 758180       | EMO           | EET BUF | 09/29/25 08:34       |
| Dissolved | Analysis   | 6010D        |     | 1               | 758350       | BMB           | EET BUF | 09/30/25 00:24       |
| Total/NA  | Prep       | 3005A        |     |                 | 758178       | EMO           | EET BUF | 09/29/25 08:35       |
| Total/NA  | Analysis   | 6010D        |     | 1               | 758324       | MP            | EET BUF | 09/29/25 15:49       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 758402       | AF            | EET BUF | 09/30/25 16:37       |

**Client Sample ID: MW4I**  
**Date Collected: 09/24/25 14:00**  
**Date Received: 09/26/25 10:00**

**Lab Sample ID: 480-232963-6**  
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Total/NA  | Analysis   | 8260C        |     | 40              | 758407       | ATG           | EET BUF | 10/01/25 03:14       |
| Total/NA  | Analysis   | RSK-175      |     | 1               | 758460       | MAN           | EET BUF | 10/01/25 12:21       |
| Total/NA  | Analysis   | RSK-175      | DL  | 22              | 758460       | MAN           | EET BUF | 10/01/25 13:56       |
| Total/NA  | Prep       | 1633A        |     |                 | 710704       | W2FB          | ELLE    | 10/08/25 08:36       |
| Total/NA  | Analysis   | 1633A        |     | 1               | 710552       | DX7G          | ELLE    | 10/09/25 04:08       |
| Dissolved | Prep       | 3005A        |     |                 | 758180       | EMO           | EET BUF | 09/29/25 08:34       |
| Dissolved | Analysis   | 6010D        |     | 1               | 758350       | BMB           | EET BUF | 09/30/25 00:22       |
| Total/NA  | Prep       | 3005A        |     |                 | 758178       | EMO           | EET BUF | 09/29/25 08:35       |
| Total/NA  | Analysis   | 6010D        |     | 1               | 758324       | MP            | EET BUF | 09/29/25 15:52       |
| Total/NA  | Analysis   | 300.0        |     | 5               | 758402       | AF            | EET BUF | 09/30/25 16:52       |

# Lab Chronicle

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

Job ID: 480-232963-1

## Client Sample ID: MW5S

Lab Sample ID: 480-232963-7

Date Collected: 09/24/25 09:50

Matrix: Water

Date Received: 09/26/25 10:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260C        |     | 10              | 758407       | ATG     | EET BUF | 10/01/25 03:38       |
| Total/NA  | Prep       | 1633A        |     |                 | 708885       | V3FW    | ELLE    | 10/03/25 13:46       |
| Total/NA  | Analysis   | 1633A        |     | 1               | 709341       | DX7G    | ELLE    | 10/06/25 06:17       |

## Client Sample ID: MW5I

Lab Sample ID: 480-232963-8

Date Collected: 09/24/25 10:40

Matrix: Water

Date Received: 09/26/25 10:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 758407       | ATG     | EET BUF | 10/01/25 04:01       |
| Total/NA  | Prep       | 1633A        |     |                 | 708885       | V3FW    | ELLE    | 10/03/25 13:46       |
| Total/NA  | Analysis   | 1633A        |     | 1               | 709341       | DX7G    | ELLE    | 10/06/25 06:31       |

## Client Sample ID: MW6

Lab Sample ID: 480-232963-9

Date Collected: 09/23/25 14:20

Matrix: Water

Date Received: 09/26/25 10:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 758407       | ATG     | EET BUF | 10/01/25 04:24       |

## Client Sample ID: MW7

Lab Sample ID: 480-232963-10

Date Collected: 09/23/25 15:35

Matrix: Water

Date Received: 09/26/25 10:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 758407       | ATG     | EET BUF | 10/01/25 04:47       |

## Client Sample ID: MW8

Lab Sample ID: 480-232963-11

Date Collected: 09/24/25 10:30

Matrix: Water

Date Received: 09/26/25 10:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 758407       | ATG     | EET BUF | 10/01/25 05:10       |

## Client Sample ID: MW11

Lab Sample ID: 480-232963-12

Date Collected: 09/24/25 16:05

Matrix: Water

Date Received: 09/26/25 10:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 758407       | ATG     | EET BUF | 10/01/25 05:33       |

# Lab Chronicle

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

Job ID: 480-232963-1

## Client Sample ID: MW12S

Date Collected: 09/24/25 16:00

Date Received: 09/26/25 10:00

## Lab Sample ID: 480-232963-13

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 758407       | ATG     | EET BUF | 10/01/25 05:56       |

## Client Sample ID: MW1C

Date Collected: 09/25/25 12:15

Date Received: 09/26/25 10:00

## Lab Sample ID: 480-232963-14

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 758407       | ATG     | EET BUF | 10/01/25 06:19       |

## Client Sample ID: MW1D

Date Collected: 09/25/25 09:15

Date Received: 09/26/25 10:00

## Lab Sample ID: 480-232963-15

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260C        |     | 20              | 758407       | ATG     | EET BUF | 10/01/25 06:43       |

## Client Sample ID: MW1E

Date Collected: 09/25/25 11:05

Date Received: 09/26/25 10:00

## Lab Sample ID: 480-232963-16

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260C        |     | 100             | 758407       | ATG     | EET BUF | 10/01/25 07:06       |

## Client Sample ID: TB

Date Collected: 09/25/25 00:00

Date Received: 09/26/25 10:00

## Lab Sample ID: 480-232963-17

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 758407       | ATG     | EET BUF | 10/01/25 07:29       |

### 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: 480-232963-1

## Laboratory: Eurofins Buffalo

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| New York  | NELAP   | 10026                 | 10-15-25        |

## 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                | 07-01-26        |
| Georgia (DW)                                                    | State                 | C048                  | 01-31-26        |
| Illinois                                                        | NELAP                 | 200027                | 01-31-26        |
| Iowa                                                            | State                 | 361                   | 03-01-26        |
| Kansas                                                          | NELAP                 | E-10151               | 10-31-25        |
| 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           | 12-31-25        |
| Mississippi                                                     | State                 | 023                   | 01-31-26        |
| Missouri                                                        | State                 | 450                   | 01-31-28        |
| Montana (DW)                                                    | State                 | 0098                  | 01-01-26        |
| 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                 | 10-15-25        |
| 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              | 09-12-26        |
| 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.

# Accreditation/Certification Summary

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

Job ID: 480-232963-1

## 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      | 10-25-25        |
| Vermont            | State               | VT - 36037            | 10-27-25        |
| 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: 480-232963-1

| 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: 480-232963-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Sample Origin |
|---------------|------------------|--------|----------------|----------------|---------------|
| 480-232963-1  | MW1R             | Water  | 09/24/25 14:30 | 09/26/25 10:00 | New York      |
| 480-232963-2  | MW2R             | Water  | 09/24/25 12:30 | 09/26/25 10:00 | New York      |
| 480-232963-3  | MW3S             | Water  | 09/24/25 14:15 | 09/26/25 10:00 | New York      |
| 480-232963-4  | MW3I             | Water  | 09/24/25 11:50 | 09/26/25 10:00 | New York      |
| 480-232963-5  | MW4S             | Water  | 09/24/25 15:00 | 09/26/25 10:00 | New York      |
| 480-232963-6  | MW4I             | Water  | 09/24/25 14:00 | 09/26/25 10:00 | New York      |
| 480-232963-7  | MW5S             | Water  | 09/24/25 09:50 | 09/26/25 10:00 | New York      |
| 480-232963-8  | MW5I             | Water  | 09/24/25 10:40 | 09/26/25 10:00 | New York      |
| 480-232963-9  | MW6              | Water  | 09/23/25 14:20 | 09/26/25 10:00 | New York      |
| 480-232963-10 | MW7              | Water  | 09/23/25 15:35 | 09/26/25 10:00 | New York      |
| 480-232963-11 | MW8              | Water  | 09/24/25 10:30 | 09/26/25 10:00 | New York      |
| 480-232963-12 | MW11             | Water  | 09/24/25 16:05 | 09/26/25 10:00 | New York      |
| 480-232963-13 | MW12S            | Water  | 09/24/25 16:00 | 09/26/25 10:00 | New York      |
| 480-232963-14 | MW1C             | Water  | 09/25/25 12:15 | 09/26/25 10:00 | New York      |
| 480-232963-15 | MW1D             | Water  | 09/25/25 09:15 | 09/26/25 10:00 | New York      |
| 480-232963-16 | MW1E             | Water  | 09/25/25 11:05 | 09/26/25 10:00 | New York      |
| 480-232963-17 | TB               | Water  | 09/25/25 00:00 | 09/26/25 10:00 | New York      |





**Client Information**  
 Client Contact: Ms. Abigail Jock  
 Company: GEI Consultants Inc  
 Address: 950 Danby Road Suite 201-F  
 City: Ithaca  
 State/Zip: NY, 14850  
 Phone: 607-216-8983(Tel)  
 Email: AJock@geiconsultants.com  
 Project Name: Unifirst - Liverpool, NY  
 Site: Unifirst Liverpool

Lab PM: Schove John R  
 E-Mail: John.Schove@eurofinsus.com  
 State of Origin: NY  
 Lab # 225  
 COC No: 480-207985-42102.2  
 Page 2 of 13

Due Date Requested: Standard  
 TAT Requested (days):  
 Compliance Project:  Yes  No  
 PO #: 2001642  
 Purchase Order Requested  
 WO #: 48029086  
 Project #: SOW#:

| Sample Identification | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (Water, Solid, Organic, Bz-Tissue, 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, 28P - Sulfate | 6010D - Metals - Iron (Fe), Total | 6010D - Metals - Iron (Fe), Dissolved | 1633A - PFAS - NY Standard 40 Analytes | Total Number of Containers | Special Instructions/Note: |
|-----------------------|-------------|-------------|------------------------------|-------------------------------------------------------------------|-----------------------------------|----------------------------|------------------|-----------------------------------|----------------------|-----------------------------------|---------------------------------------|----------------------------------------|----------------------------|----------------------------|
| MW11                  | 9/24/25     | 16:05       |                              | Water                                                             | XX                                | XX                         | XX               | XX                                | XX                   | XX                                | XX                                    | XX                                     | XX                         | 3 coolers total            |
| MW12S                 | 9/24/25     | 16:00       |                              | Water                                                             | XX                                | XX                         | XX               | XX                                | XX                   | XX                                | XX                                    | XX                                     | XX                         |                            |
| MW1C                  | 9/25/25     | 12:15       |                              | Water                                                             | XX                                | XX                         | XX               | XX                                | XX                   | XX                                | XX                                    | XX                                     | XX                         |                            |
| MW1D                  | 9/15/25     | 9:15        |                              | Water                                                             | XX                                | XX                         | XX               | XX                                | XX                   | XX                                | XX                                    | XX                                     | XX                         |                            |
| MW1E                  | 9/15/25     | 11:05       |                              | Water                                                             | XX                                | XX                         | XX               | XX                                | XX                   | XX                                | XX                                    | XX                                     | XX                         |                            |
| T-B                   | 9/15/25     |             |                              | Water                                                             | XX                                | XX                         | XX               | XX                                | XX                   | XX                                | XX                                    | XX                                     | XX                         |                            |

**Possible Hazard Identification**  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Radiological  
 Deliverable Requested: I, II, III, IV, V, Other (specify)

**Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)**  
 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months  
 Special Instructions/QC Requirements:

**Empty Kit Relinquished by:** Sander DeBorja  
 Date: 9/15/25 14:50  
 Relinquished by: Sander DeBorja  
 Date: 9/15/25 14:50  
 Relinquished by: Sander DeBorja  
 Date: 9/15/25 14:50  
 Custody Seals Intact:  Yes  No  
 Custody Seal No.:

| Received by | Date/Time     | Company |
|-------------|---------------|---------|
| [Signature] | 9/15/25 14:50 | Company |
| [Signature] | 9/16/25 1000  | Company |
| [Signature] | 9/16/25 1000  | Company |



# Login Sample Receipt Checklist

Client: GEI Consultants Inc

Job Number: 480-232963-1

**Login Number: 232963**

**List Source: Eurofins Buffalo**

**List Number: 1**

**Creator: Yeager, Brian A**

| Question                                                                         | Answer | Comment            |
|----------------------------------------------------------------------------------|--------|--------------------|
| Radioactivity either was not measured or, if measured, is at or below background | 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   | 2.9,3.2 ICE IR# SC |
| 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 (Excluding tests with immediate HTs)..  | 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   |                    |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.     | 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.                                 | True   |                    |
| Sampling Company provided.                                                       | True   | GEI                |
| Samples received within 48 hours of sampling.                                    | False  |                    |
| Samples requiring field filtration have been filtered in the field.              | True   |                    |
| Chlorine Residual checked.                                                       | N/A    |                    |

## Login Sample Receipt Checklist

Client: GEI Consultants Inc

Job Number: 480-232963-1

**Login Number: 232963**

**List Number: 2**

**Creator: Yeager, Brian A**

**List Source: Eurofins Buffalo**

| Question                                                                                            | Answer | Comment |
|-----------------------------------------------------------------------------------------------------|--------|---------|
| Radioactivity wasn't checked or is <math>\leq</math> 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   |         |
| 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 <math><6\text{mm}</math> (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: 480-232963-1

**Login Number: 232963**

**List Source: Eurofins Lancaster Laboratories Environment Testing, LLC**

**List Number: 3**

**List Creation: 09/27/25 05:03 PM**

**Creator: Reynolds, Benjamin**

| 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 (<math>\leq 6C</math>, not frozen). | True   |                                    |
| Cooler Temperature is recorded.                                                                   | True   |                                    |
| WV: Container Temp acceptable, where thermal pres is required (<math>\leq 6C</math>, 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    |                                    |
| VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?                       | N/A    |                                    |

# Appendix C Microbial Insights QuantArray Chlor Report

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# SITE LOGIC Report

## *QuantArray®-Chlor Study*

Contact: Wendy Moore

Phone:

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

Email: wmoore@geiconsultants.com

**MI Identifier: 073WI**

Report Date: 09/30/2025

Project: UniFirst-Liverpool, NY

Reviewed By: *Sarah Keys*

Comments:

## The QuantArray<sup>®</sup>-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 halorespiring 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<sup>®</sup>-Chlor not only includes a variety of halorespiring 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<sup>®</sup>-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<sup>®</sup>-Chlor is used to quantify specific microorganisms and functional genes to evaluate the following:

### Anaerobic Reductive Dechlorination

Quantification of important halorespiring 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<sup>®</sup>-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<sup>®</sup>-Chlor targets key functional genes in ethene metabolism.

## Results

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

| Sample Name<br>Sample Date             | MW3S<br>09/24/2025 | MW3I<br>09/24/2025 | MW4S<br>09/24/2025 | MW4I<br>09/24/2025 |
|----------------------------------------|--------------------|--------------------|--------------------|--------------------|
| <i>Reductive Dechlorination</i>        |                    |                    |                    |                    |
| <i>Dehalococcoides</i> (DHC)           | 3.10E+06           | 4.80E+02           | 1.00E+02           | 2.80E+03           |
| tceA Reductase (TCE)                   | 1.60E+06           | 2.60E+01           | 9.30E+00           | 1.50E-01 (J)       |
| BAV1 Vinyl Chloride Reductase (BVC)    | 2.40E+05           | 1.70E+02           | 1.10E+01           | 2.00E+03           |
| Vinyl Chloride Reductase (VCR)         | 2.40E+05           | 1.80E+02           | 1.50E+01           | 4.80E+02           |
| <i>Dehalobacter</i> spp. (DHBt)        | 2.70E+04           | 2.10E+02           | 2.40E+03           | 3.80E+02           |
| <i>Dehalobacter</i> DCM (DCM)          | 1.10E+03           | <2.50E-01          | <4.50E-01          | <2.50E-01          |
| <i>Dehalogenimonas</i> spp. (DHG)      | 1.10E+06           | 3.00E+03           | 2.00E+03           | 1.60E+04           |
| cerA Reductase (CER)                   | 3.10E+03           | <2.50E-01          | <4.50E-01          | 1.60E+01           |
| trans-1,2-DCE Reductase (TDR)          | <8.30E-01          | <2.50E-01          | <4.50E-01          | <2.50E-01          |
| <i>Desulfitobacterium</i> spp. (DSB)   | 3.50E+04           | 2.40E+02           | 9.20E+03           | 1.20E+03           |
| <i>Dehalobium chlorocoercia</i> (DECO) | 6.10E+02           | 1.40E+02           | 5.20E+03           | 4.60E+02           |
| <i>Desulfuromonas</i> spp. (DSM)       | 8.80E+00           | 2.20E+01           | 2.90E+01           | <2.50E-01          |
| PCE Reductase (PCE-1)                  | <8.30E-01          | <2.50E-01          | <4.50E-01          | <2.50E-01          |
| PCE Reductase (PCE-2)                  | <8.30E-01          | <2.50E-01          | <4.50E-01          | <2.50E-01          |
| Chloroform Reductase (CFR)             | <8.30E-01          | <2.50E-01          | <4.50E-01          | <2.50E-01          |
| 1,1 DCA Reductase (DCA)                | <8.30E-01          | <2.50E-01          | <4.50E-01          | <2.50E-01          |
| 1,2 DCA Reductase (DCAR)               | <8.30E-01          | <2.50E-01          | <4.50E-01          | <2.50E-01          |
| <i>Aerobic (Co)Metabolic</i>           |                    |                    |                    |                    |
| Soluble Methane Monooxygenase (SMMO)   | <8.30E-01          | 6.60E+01           | 1.80E+02           | <2.50E-01          |
| Toluene Dioxygenase (TOD)              | <8.30E-01          | 2.80E+00           | <4.50E-01          | 9.90E+01           |
| Phenol Hydroxylase (PHE)               | 6.40E+03           | <2.50E-01          | 4.30E+03           | 4.10E+01           |
| Trichlorobenzene Dioxygenase (TCBO)    | <8.30E-01          | <2.50E-01          | <4.50E-01          | <2.50E-01          |
| Toluene Monooxygenase 2 (RDEG)         | 2.00E+03           | <2.50E-01          | 6.30E+02           | <2.50E-01          |
| Toluene Monooxygenase (RMO)            | 3.80E+04           | <2.50E-01          | <4.50E-01          | 2.00E+03           |
| Ethene Monooxygenase (EtnC)            | 2.50E+04           | <2.50E-01          | 4.60E+00           | <2.50E-01          |
| Epoxyalkane Transferase (EtnE)         | 3.00E+05           | <2.50E-01          | 2.70E+03           | <2.50E-01          |
| Dichloromethane Dehalogenase (DCMA)    | <8.30E-01          | <2.50E-01          | <4.50E-01          | <2.50E-01          |
| <i>Other</i>                           |                    |                    |                    |                    |
| Total Eubacteria (EBAC)                | 1.03E+07           | 7.50E+04           | 1.50E+06           | 2.30E+05           |
| Sulfate Reducing Bacteria (APS)        | 7.20E+04           | 6.40E+04           | 2.10E+05           | 5.60E+04           |
| Methanogens (MGN)                      | 3.20E+03           | 3.90E+01           | 3.70E+02           | 2.90E+01           |

### Legend:

NA = Not Analyzed

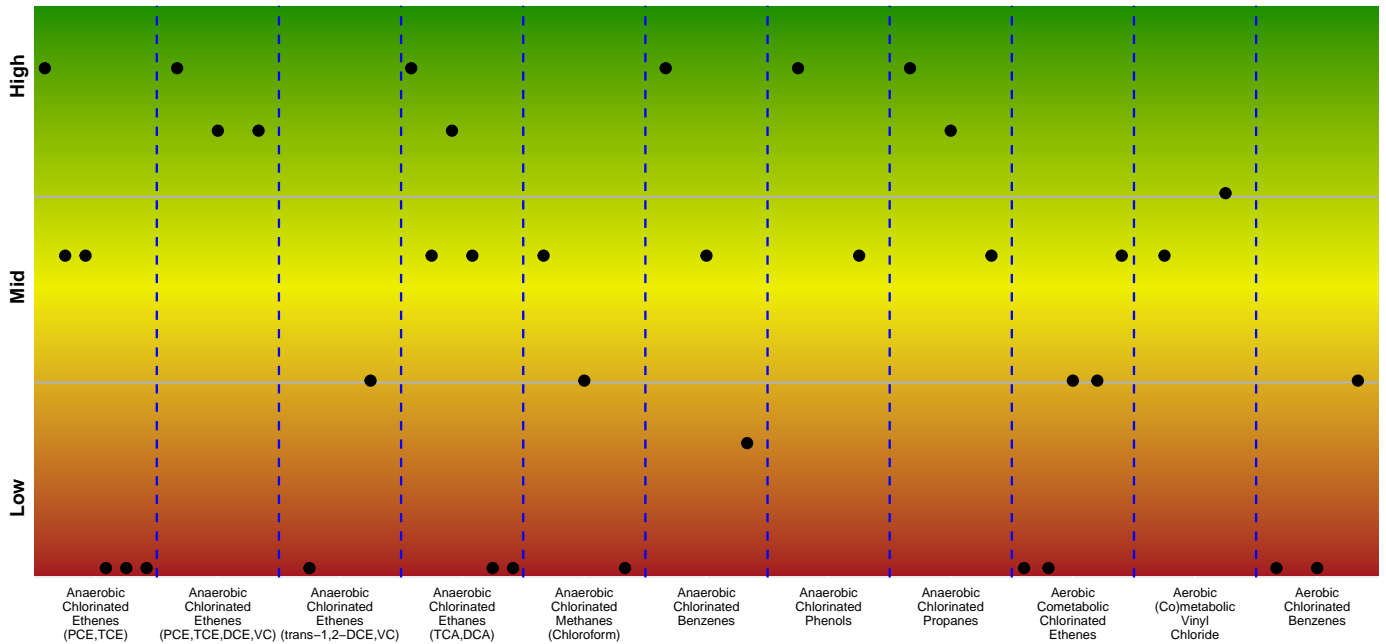
NS = Not Sampled

J = Estimated Gene Copies Below PQL but Above LQL

I = Inhibited

< = Result Not Detected

### Microbial Populations MW3S

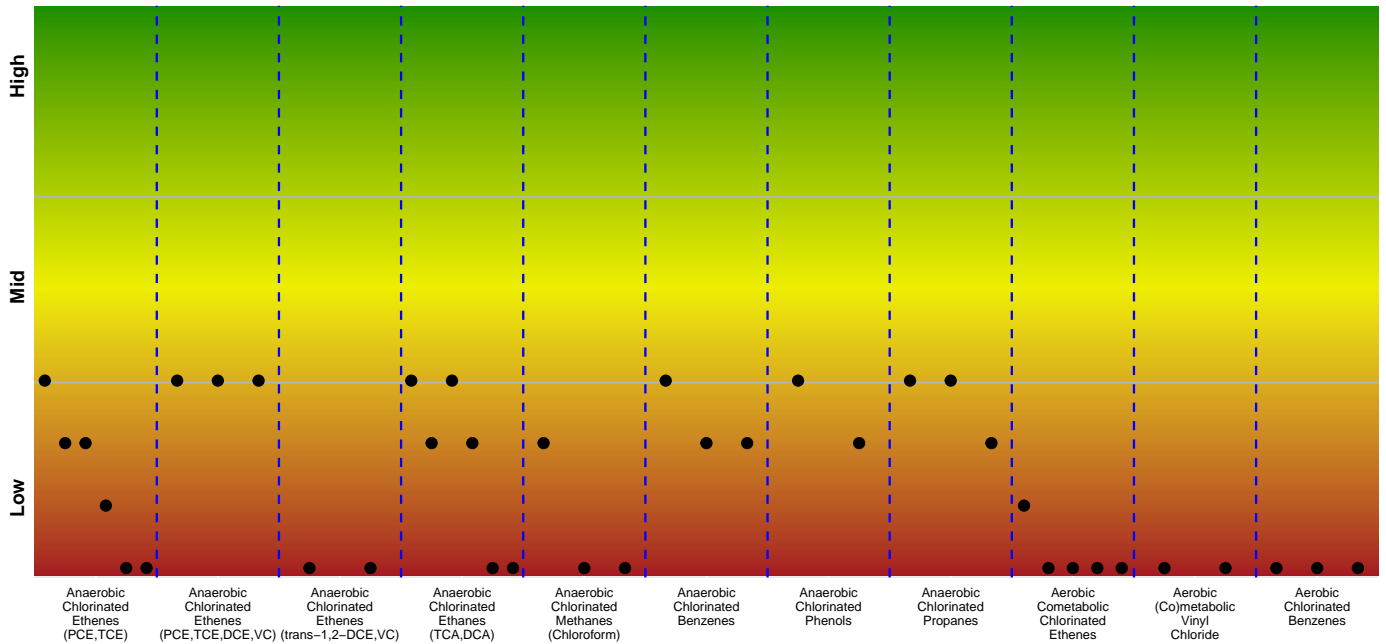


**Figure 1:** Microbial population summary to aid in evaluating potential pathways and biodegradation of specific contaminants. See below to understand the correlation between contaminants and their associated qPCR assays.

| 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 <sup>1</sup> , DCA, DCAR |
| Chlorinated Methanes (Chloroform)                           | DHBt, DCM, CFR                               |
| Chlorinated Benzenes                                        | DHC, DHBt <sup>2</sup> , DECO                |
| Chlorinated Phenols                                         | DHC, DSB                                     |
| Chlorinated Propanes                                        | DHC, DHG, DSB <sup>1</sup>                   |
| Aerobic - (Co)metabolism                                    |                                              |
| Chlorinated Ethenes (TCE,DCE,VC)                            | sMMO, TOD, PHE, RDEG, RMO                    |
| (Co)metabolic Vinyl Chloride                                | etnC, etnE                                   |
| Chlorinated Benzenes                                        | TOD, TCBO, PHE                               |

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

### Microbial Populations MW3I

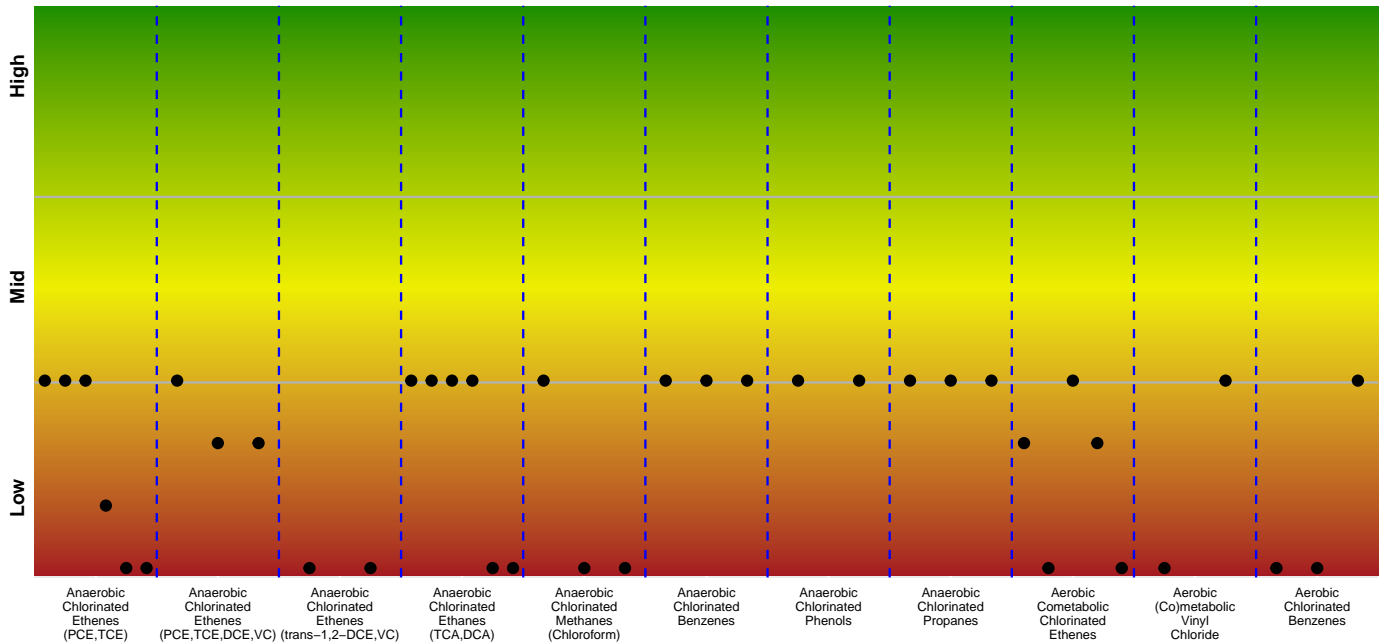


**Figure 2:** Microbial population summary to aid in evaluating potential pathways and biodegradation of specific contaminants. See below to understand the correlation between contaminants and their associated qPCR assays.

| <b>Anaerobic - Reductive Dechlorination or Dichloroelimination</b> |                                              |
|--------------------------------------------------------------------|----------------------------------------------|
| <b>Contaminants</b>                                                | <b>qPCR Assays</b>                           |
| 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 <sup>1</sup> , DCA, DCAR |
| Chlorinated Methanes (Chloroform)                                  | DHBt, DCM, CFR                               |
| Chlorinated Benzenes                                               | DHC, DHBt <sup>2</sup> , DECO                |
| Chlorinated Phenols                                                | DHC, DSB                                     |
| Chlorinated Propanes                                               | DHC, DHG, DSB <sup>1</sup>                   |
| <b>Aerobic - (Co)metabolism</b>                                    |                                              |
| Chlorinated Ethenes (TCE, DCE, VC)                                 | sMMO, TOD, PHE, RDEG, RMO                    |
| (Co)metabolic Vinyl Chloride                                       | etnC, etnE                                   |
| Chlorinated Benzenes                                               | TOD, TCBO, PHE                               |

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

### Microbial Populations MW4S

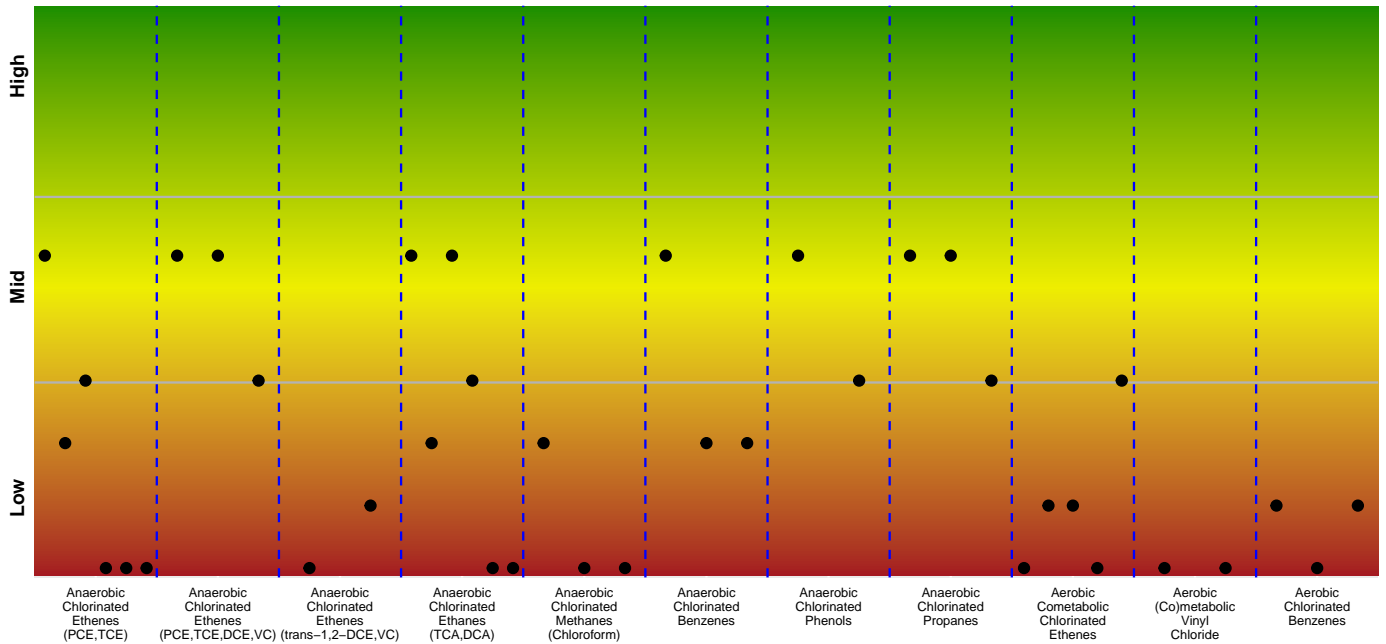


**Figure 3:** Microbial population summary to aid in evaluating potential pathways and biodegradation of specific contaminants. See below to understand the correlation between contaminants and their associated qPCR assays.

| 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 <sup>1</sup> , DCA, DCAR |
| Chlorinated Methanes (Chloroform)                           | DHBt, DCM, CFR                               |
| Chlorinated Benzenes                                        | DHC, DHBt <sup>2</sup> , DECO                |
| Chlorinated Phenols                                         | DHC, DSB                                     |
| Chlorinated Propanes                                        | DHC, DHG, DSB <sup>1</sup>                   |
| Aerobic - (Co)metabolism                                    |                                              |
| Chlorinated Ethenes (TCE, DCE, VC)                          | sMMO, TOD, PHE, RDEG, RMO                    |
| (Co)metabolic Vinyl Chloride                                | etnC, etnE                                   |
| Chlorinated Benzenes                                        | TOD, TCBO, PHE                               |

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

### Microbial Populations MW4I



**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.

| <b>Anaerobic - Reductive Dechlorination or Dichloroelimination</b> |                                              |
|--------------------------------------------------------------------|----------------------------------------------|
| <b>Contaminants</b>                                                | <b>qPCR Assays</b>                           |
| 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 <sup>1</sup> , DCA, DCAR |
| Chlorinated Methanes (Chloroform)                                  | DHBt, DCM, CFR                               |
| Chlorinated Benzenes                                               | DHC, DHBt <sup>2</sup> , DECO                |
| Chlorinated Phenols                                                | DHC, DSB                                     |
| Chlorinated Propanes                                               | DHC, DHG, DSB <sup>1</sup>                   |
| <b>Aerobic - (Co)metabolism</b>                                    |                                              |
| Chlorinated Ethenes (TCE,DCE,VC)                                   | sMMO, TOD, PHE, RDEG, RMO                    |
| (Co)metabolic Vinyl Chloride                                       | etnC, etnE                                   |
| Chlorinated Benzenes                                               | TOD, TCBO, PHE                               |

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

## Interpretation

The overall purpose of the QuantArray<sup>®</sup>-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  $1 \times 10^4$  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  $1 \times 10^4$  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<sup>®</sup>-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<sup>®</sup>-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<sup>®</sup>-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<sup>®</sup>-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].

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## **Appendix D Trend Monitoring Graphs**

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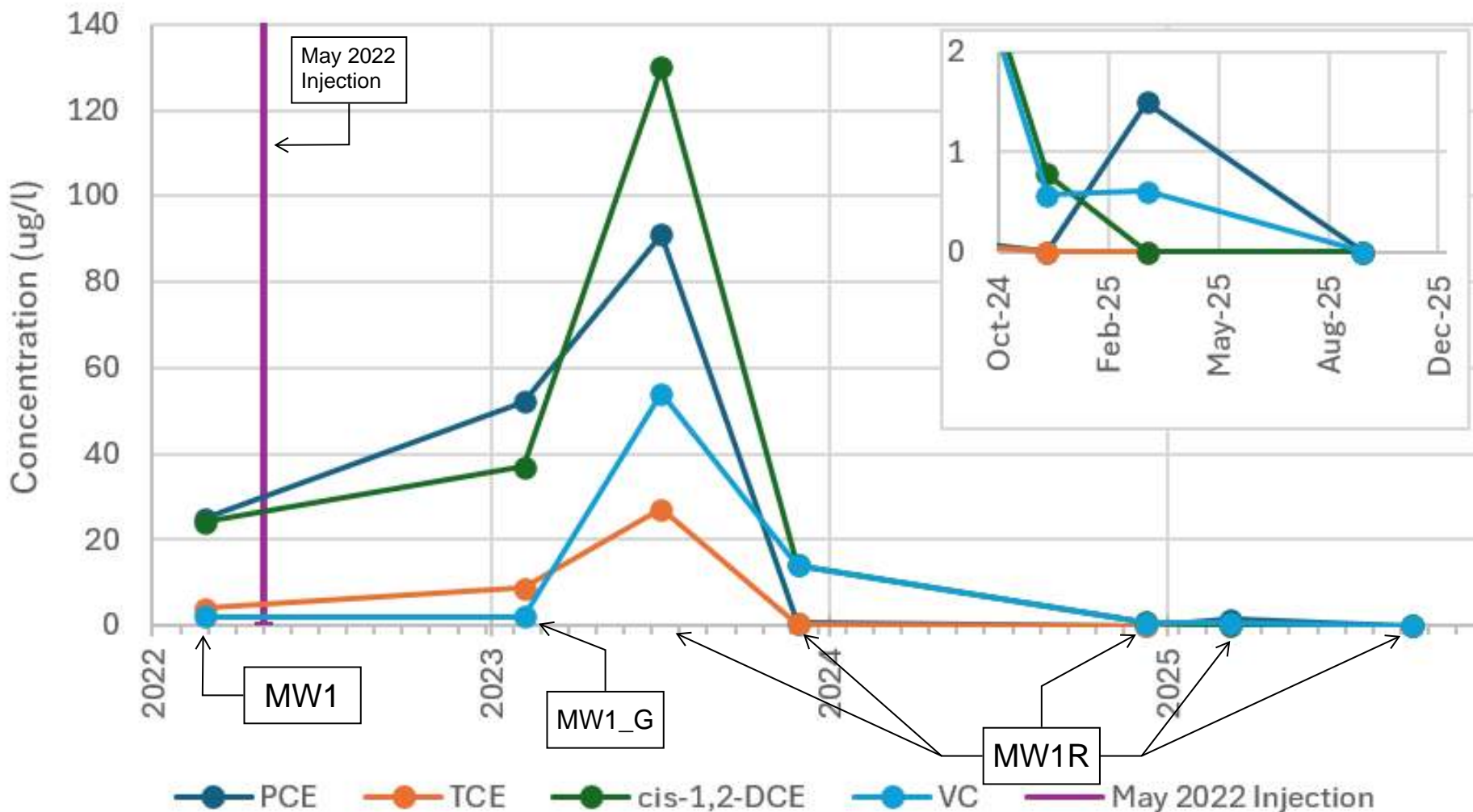
**Appendix D-1. CVOC Trend Monitoring Graphs**

**Appendix D-2. PFAS Trend Monitoring Graphs**

**Appendix D-3. MNA Parameters Trend Monitoring Graphs**

## Appendix D-1. CVOC Trend Monitoring Graphs

# MW1/1R CVOC Concentrations

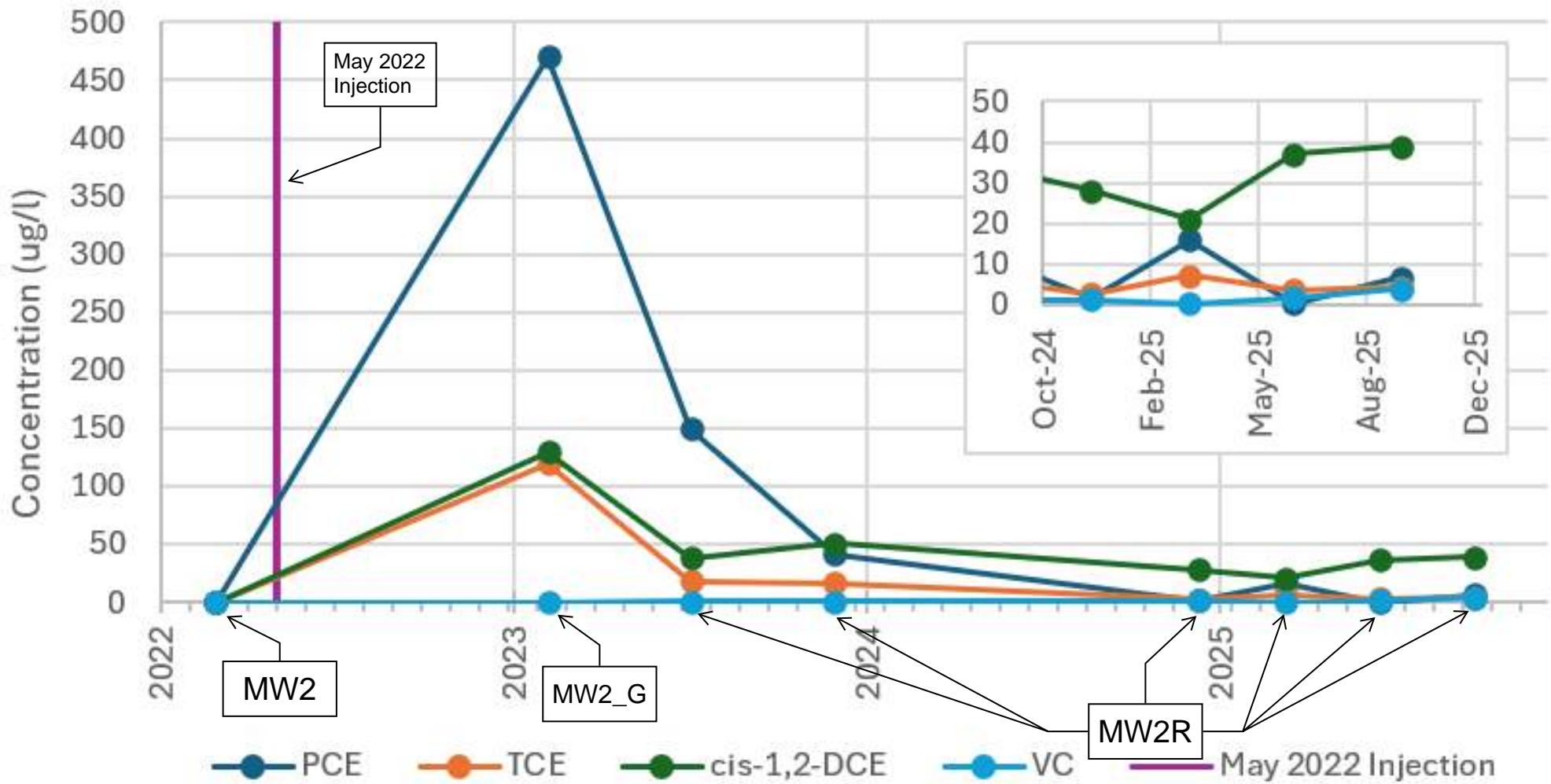


A Hydropunch sampler was used to collect groundwater from a temporary boring at the approximate location of MW1R in February 2023 because a permanent well could not be installed at that time due to ongoing facility construction. This sample is designated with a "\_G" suffix.

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.

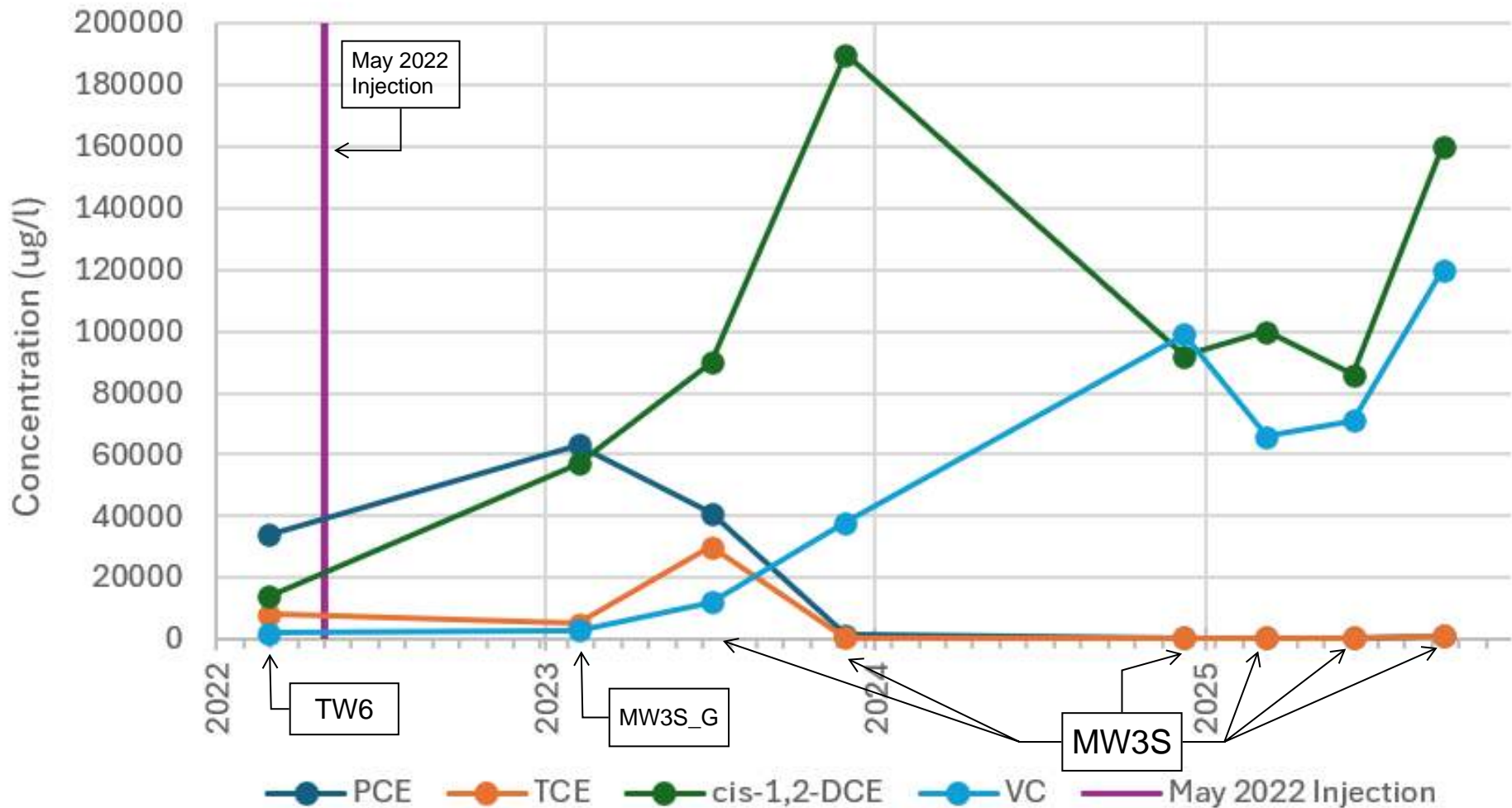
# MW2/2R CVOC Concentrations



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.

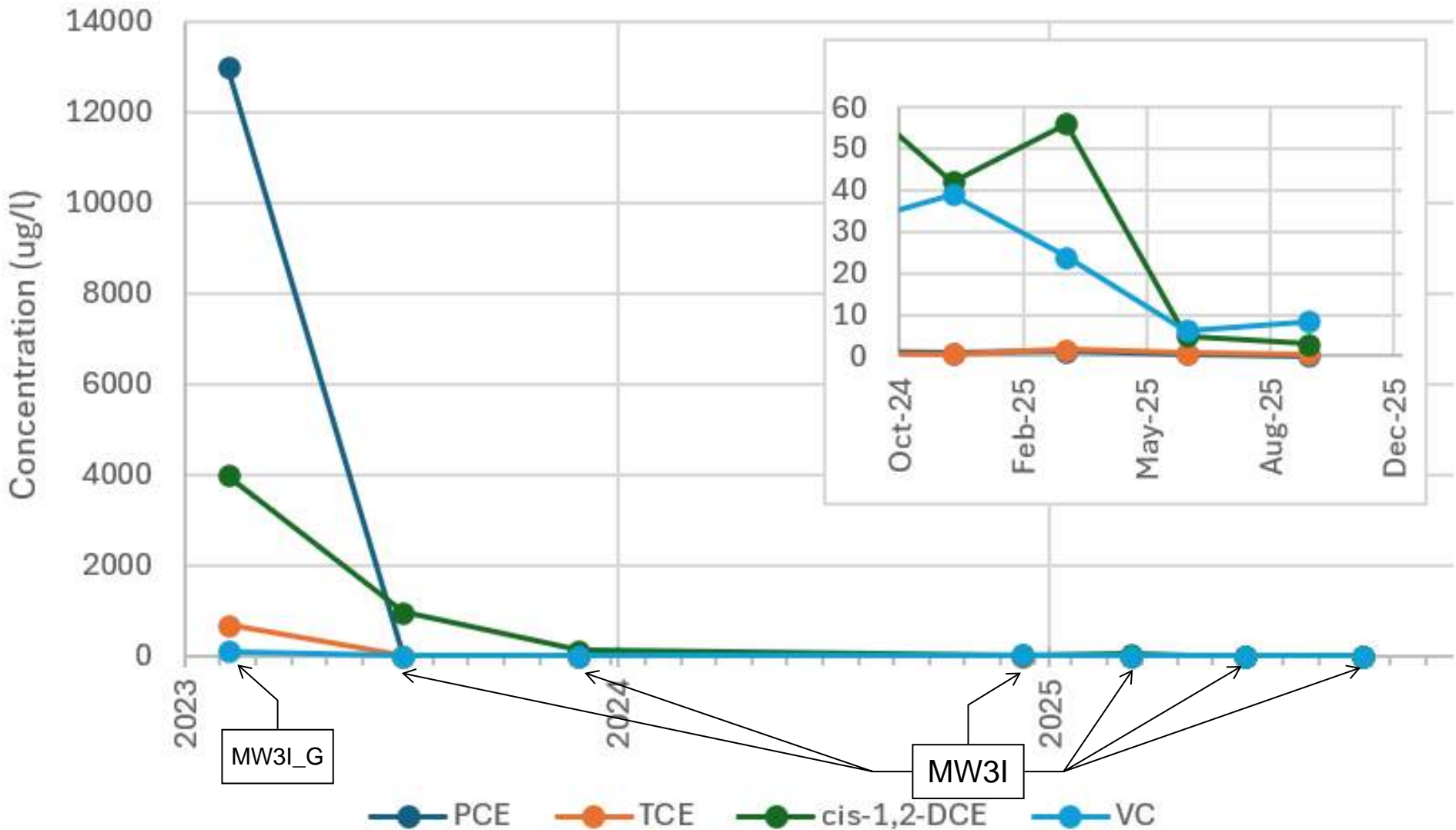
## MW3S/TW6 CVOC Concentrations



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.

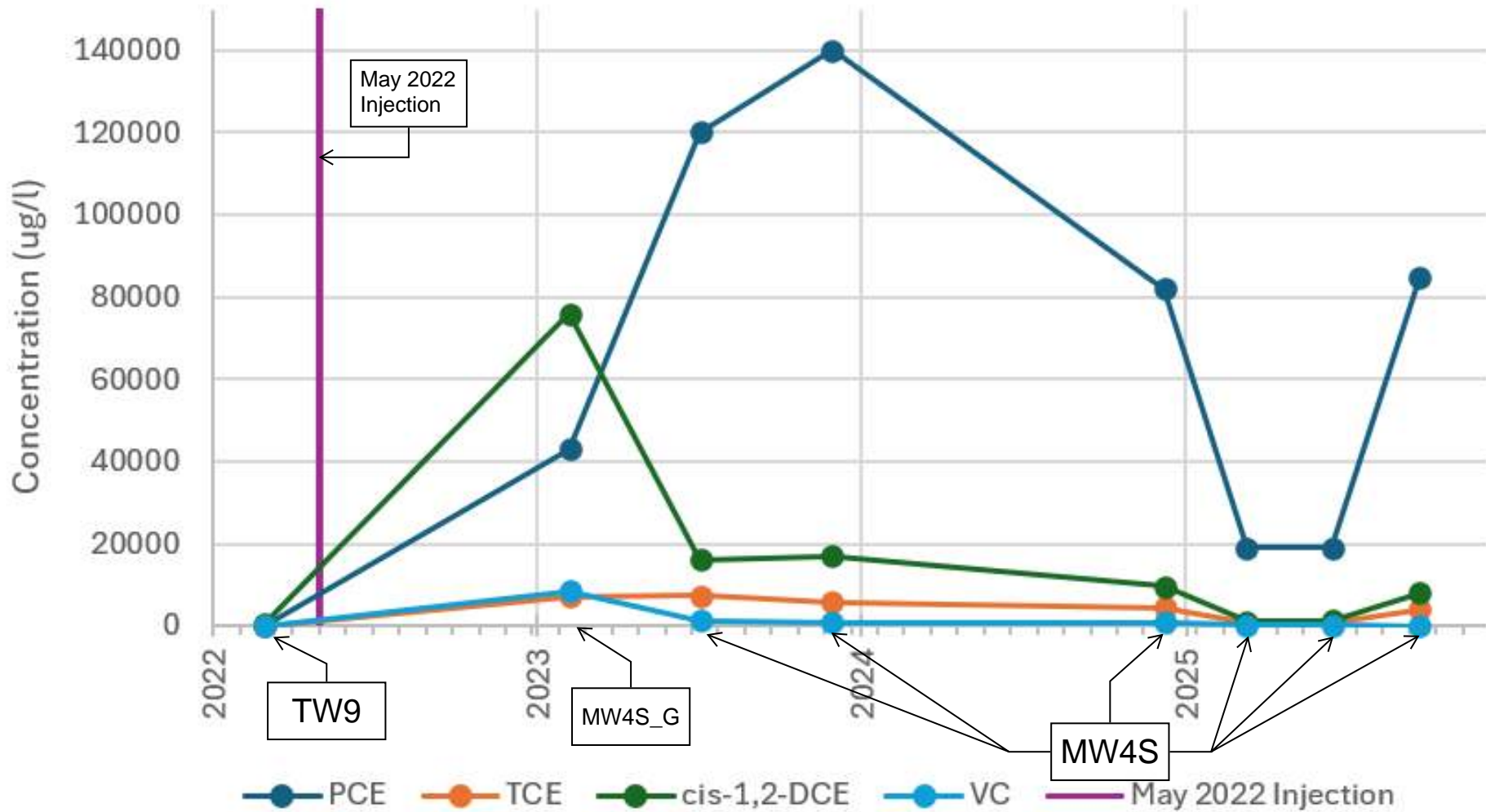
Permanent well MW3S was installed at the approximate location of former temporary well TW6 and, as such, data for these co-located wells are presented together.

# 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.

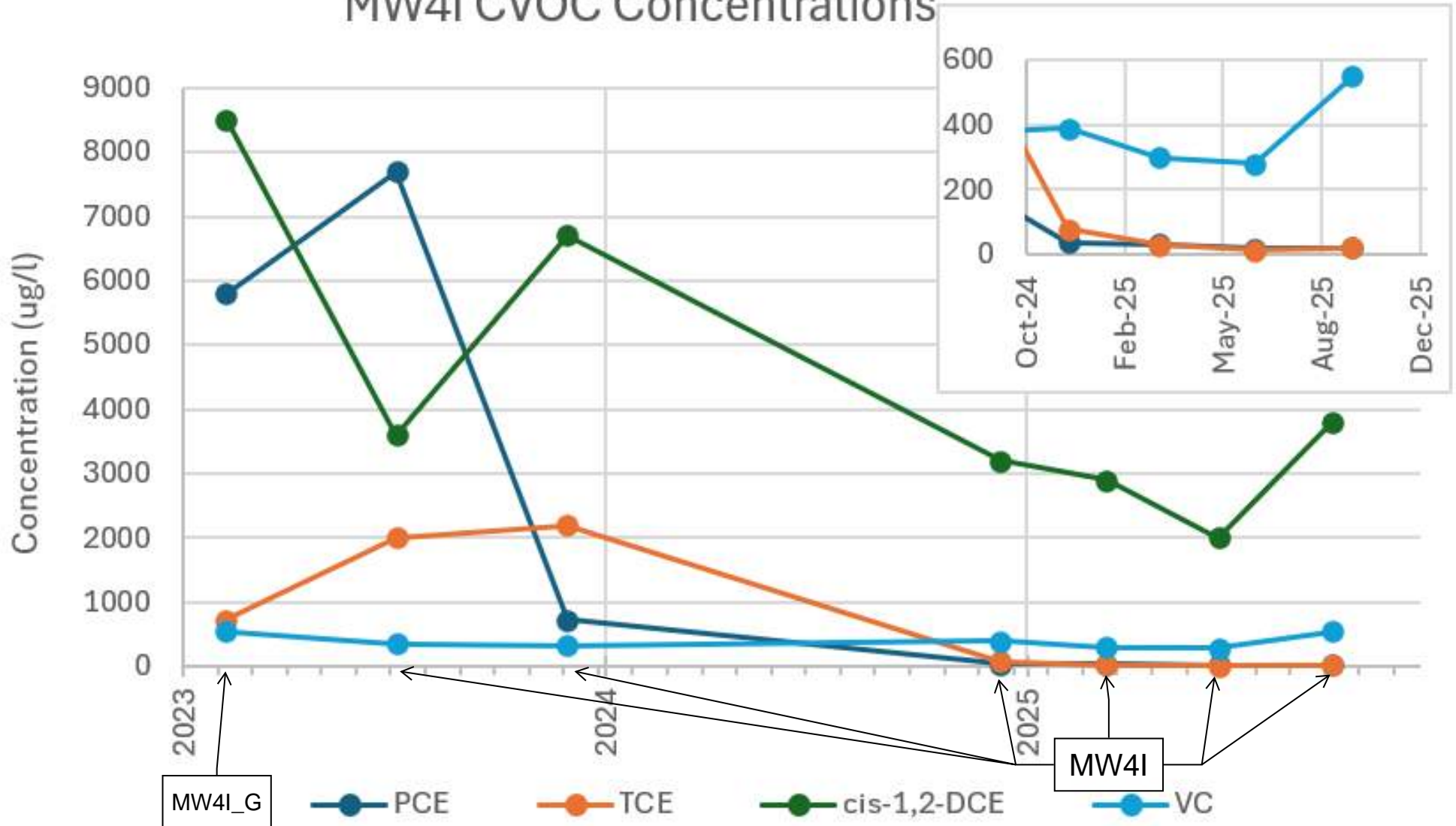
## MW4S/TW9 CVOC Concentrations



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.

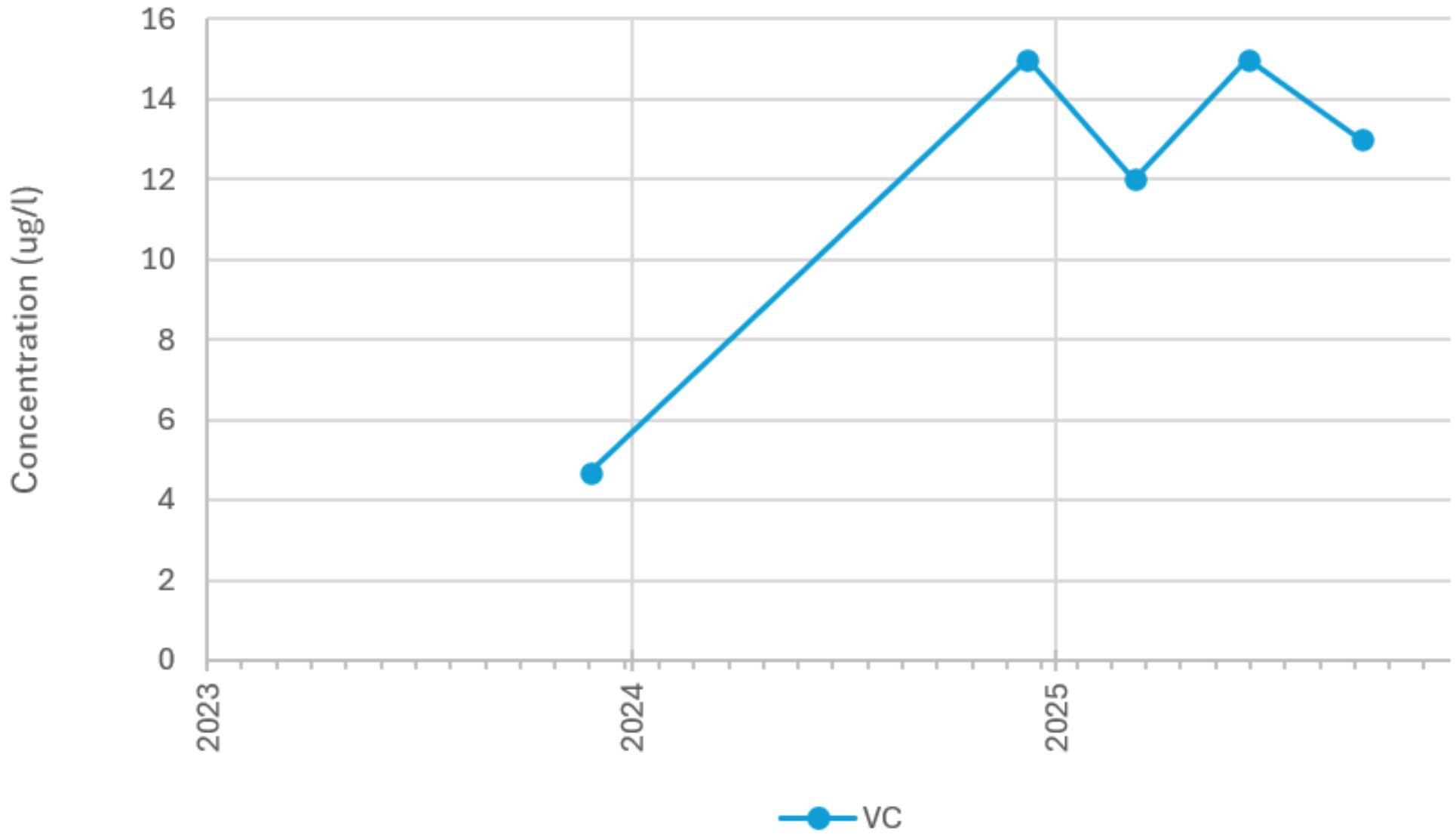
Permanent well MW4S was installed at the approximate location of former temporary well TW9 and, as such, data for these co-located wells are presented together.

### MW4I CVOC Concentrations

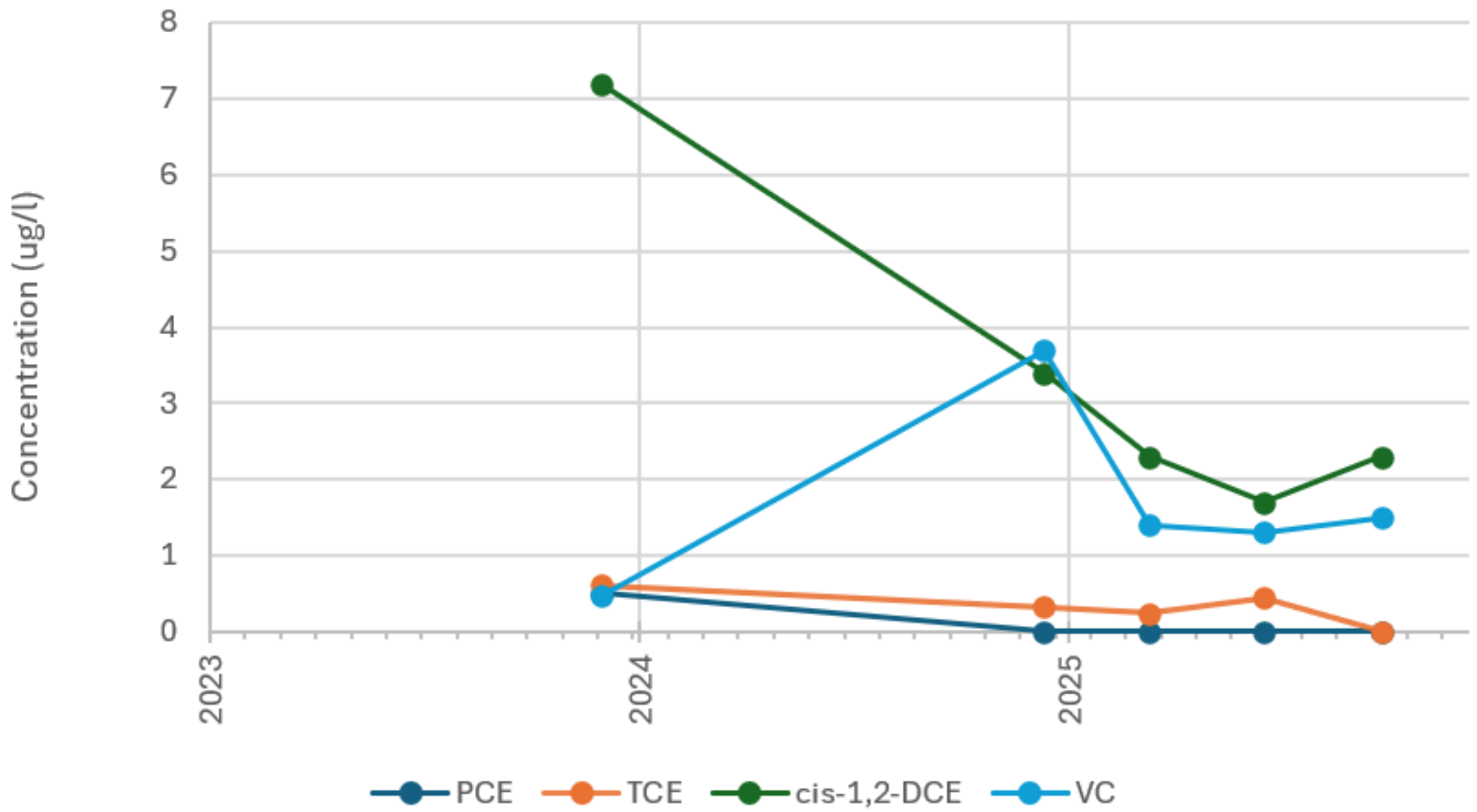


A Hydropunch sampler was used to collect groundwater from a temporary boring at the approximate locations of MW4S/I in February 2023 because permanent wells could not be installed at that time due to ongoing facility construction. This sample is designated with a "\_G" suffix.

# MW7 CVOC Concentrations

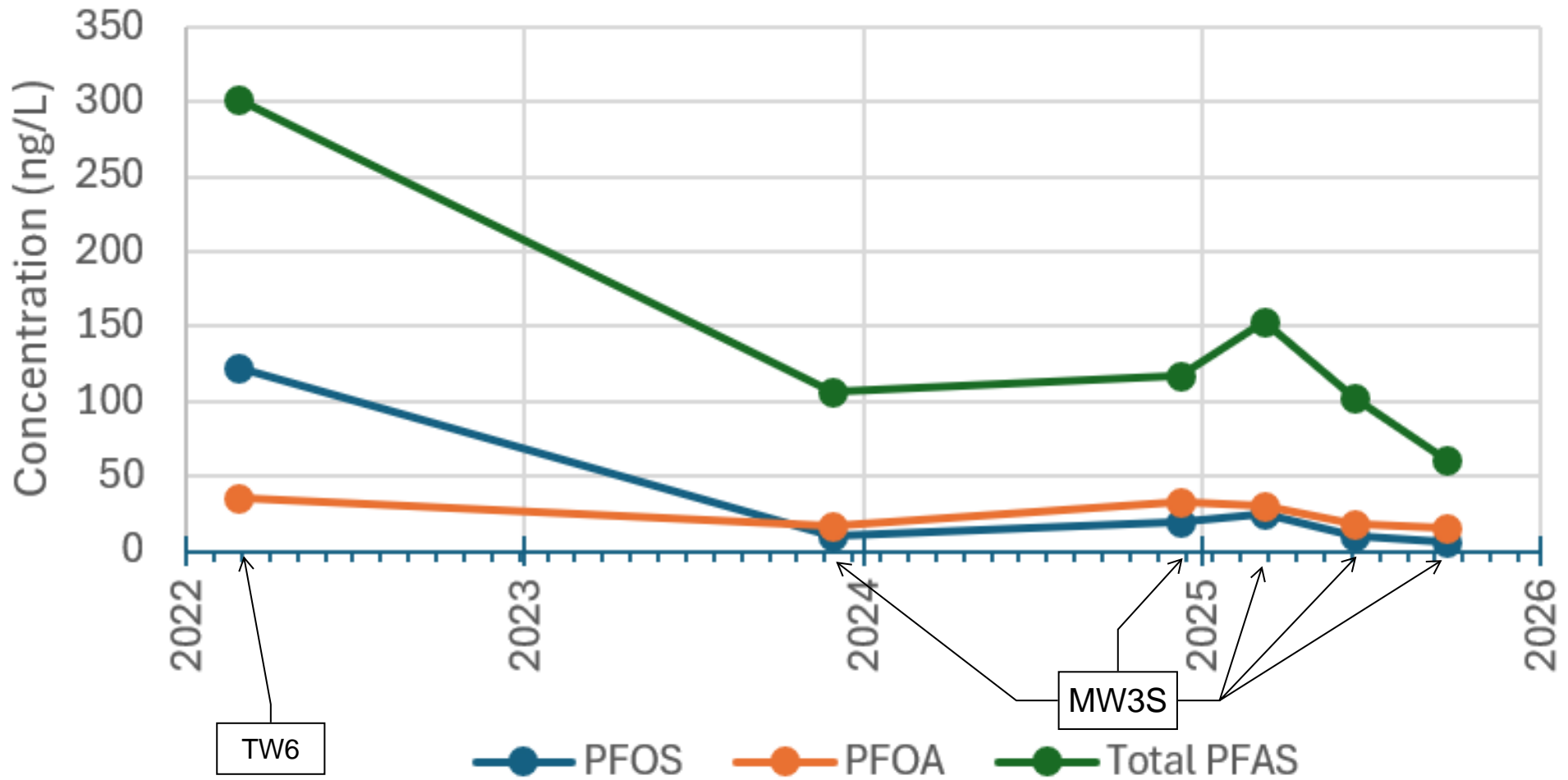


# MW12S CVOC Concentrations



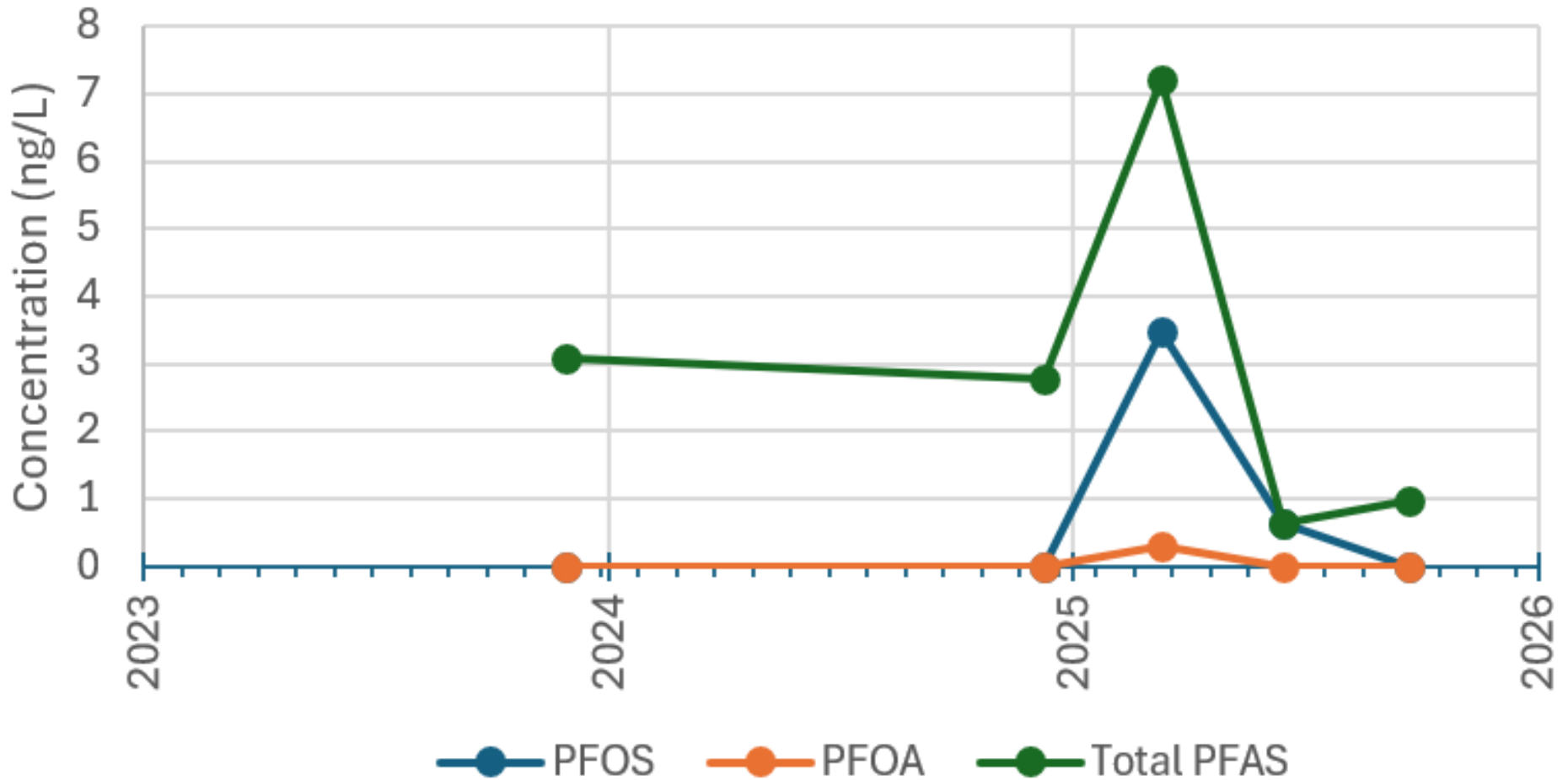
## Appendix D-2. PFAS Trend Monitoring Graphs

# MW3S PFAS Concentrations

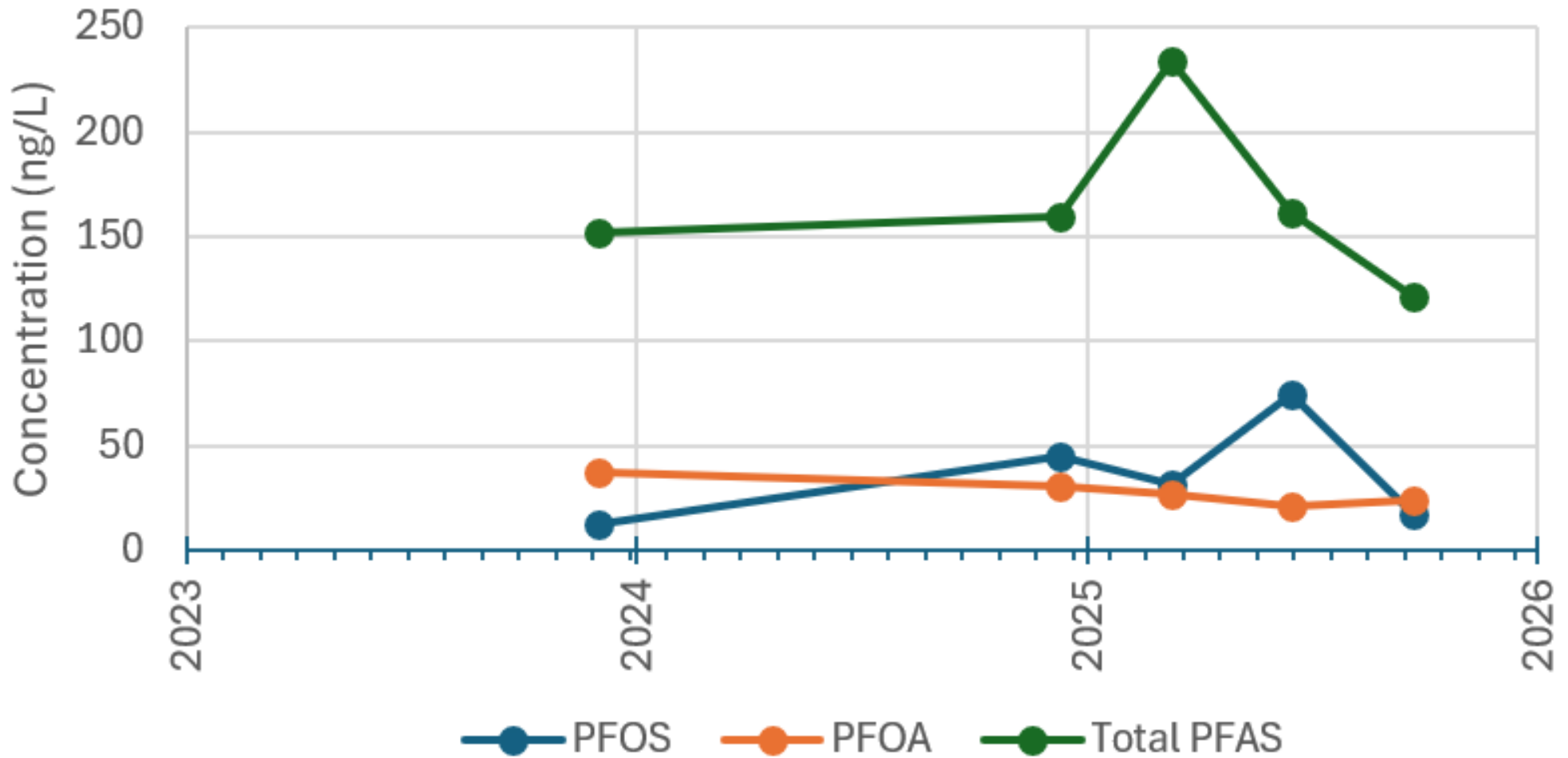


Permanent well MW3S was installed at the approximate location of former temporary well TW6 and, as such, data for these co-located wells are presented together.

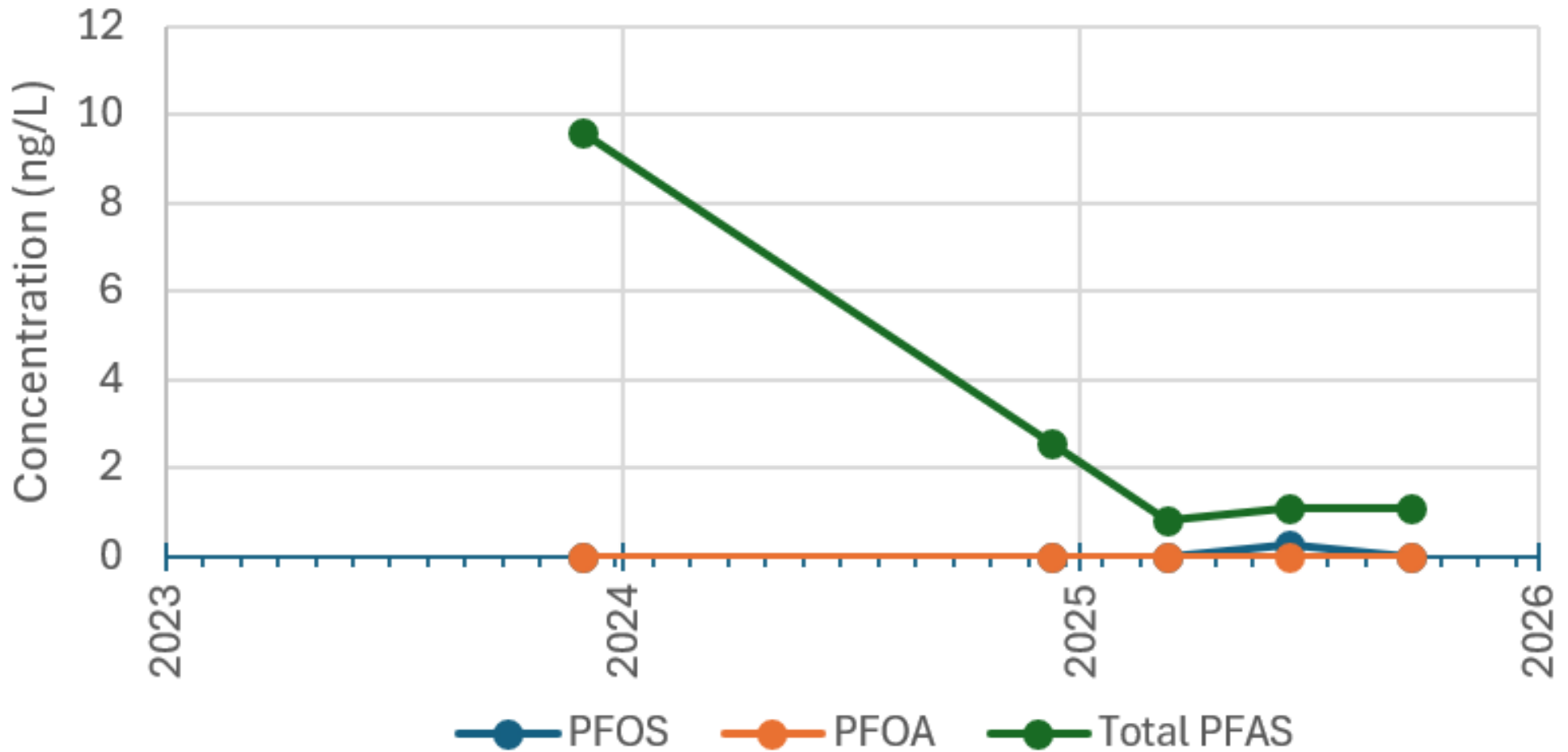
# MW31 PFAS Concentrations



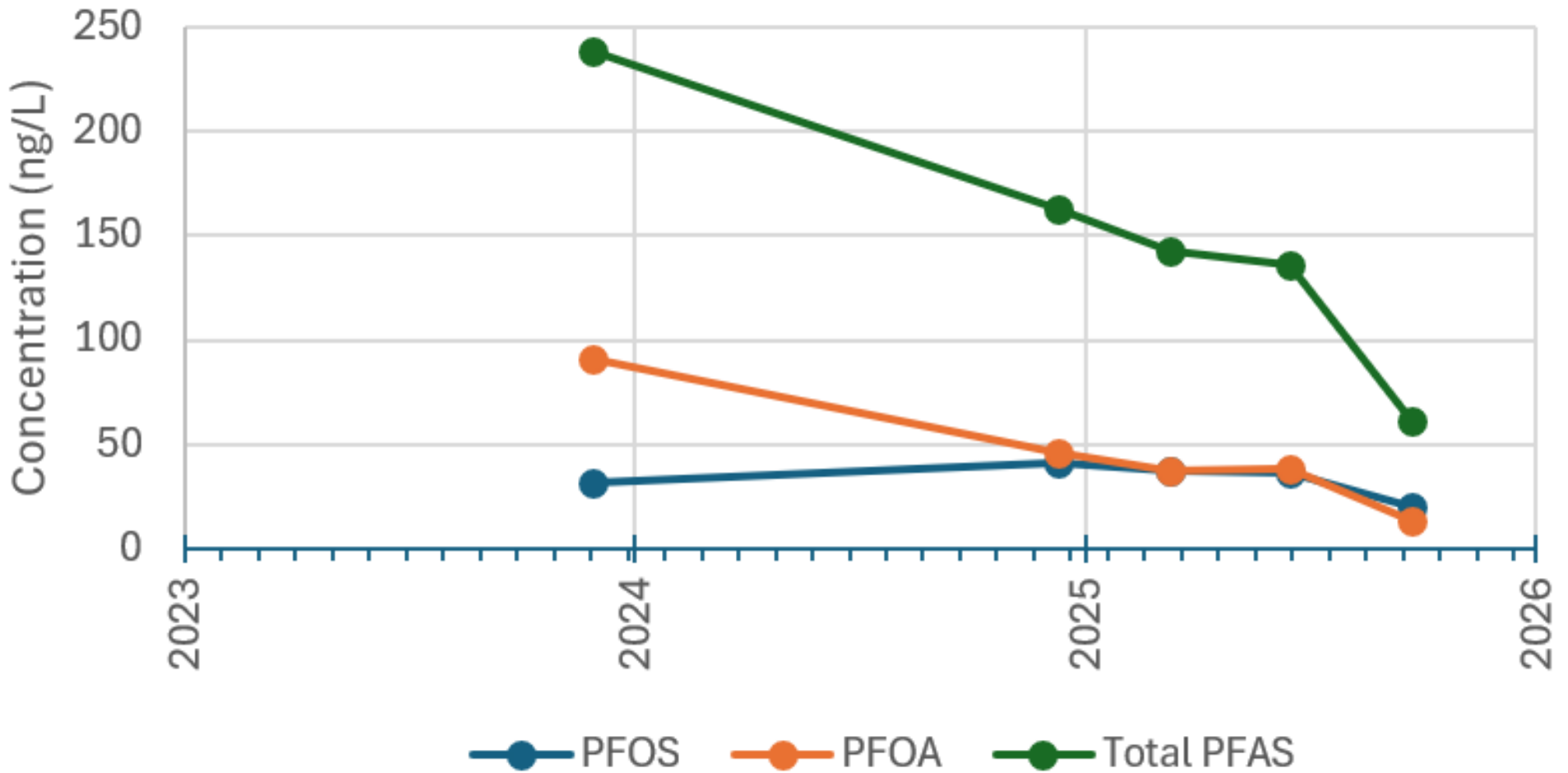
# MW4S PFAS Concentrations



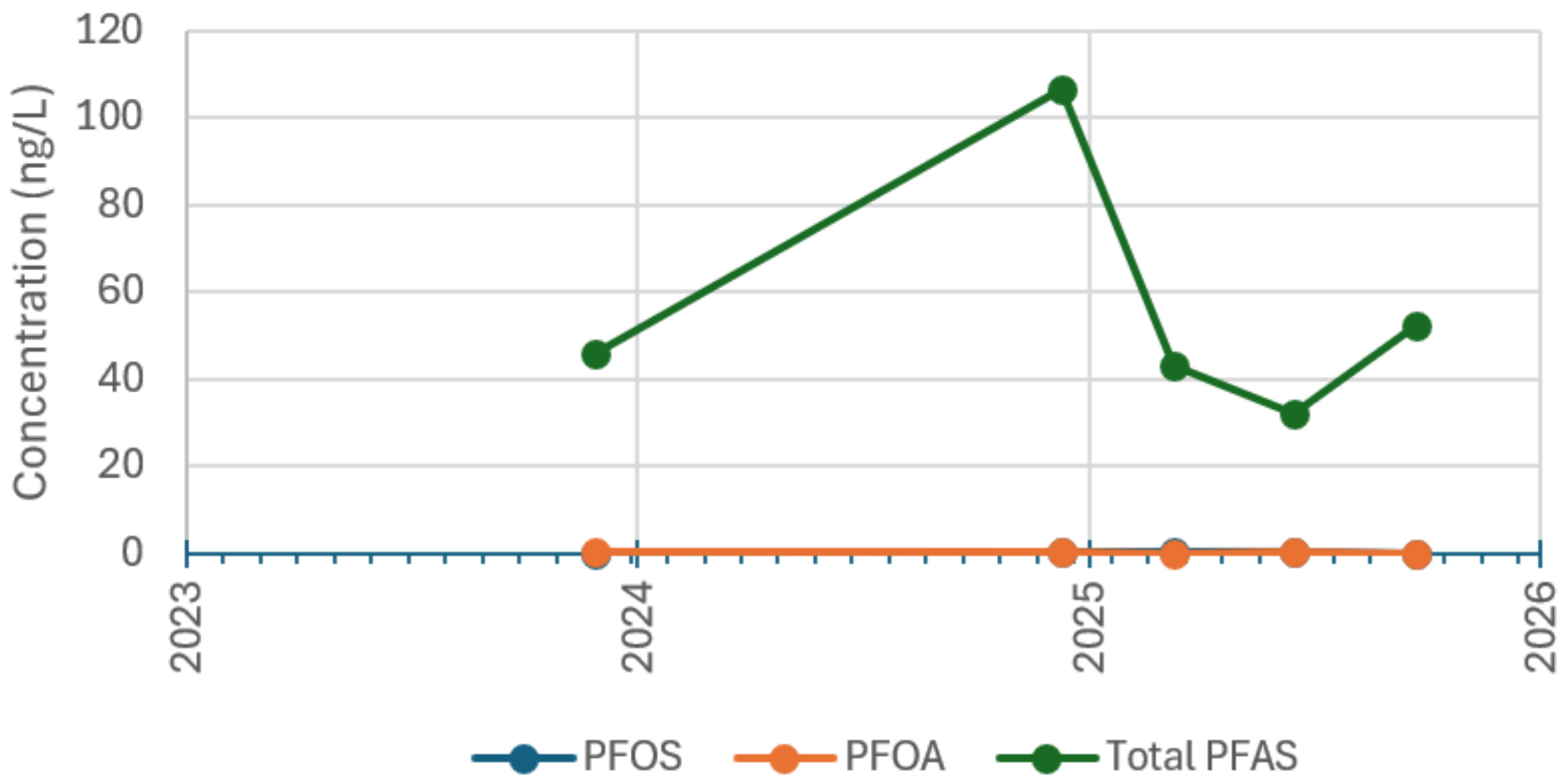
# MW4I PFAS Concentrations



# MW5S PFAS Concentrations

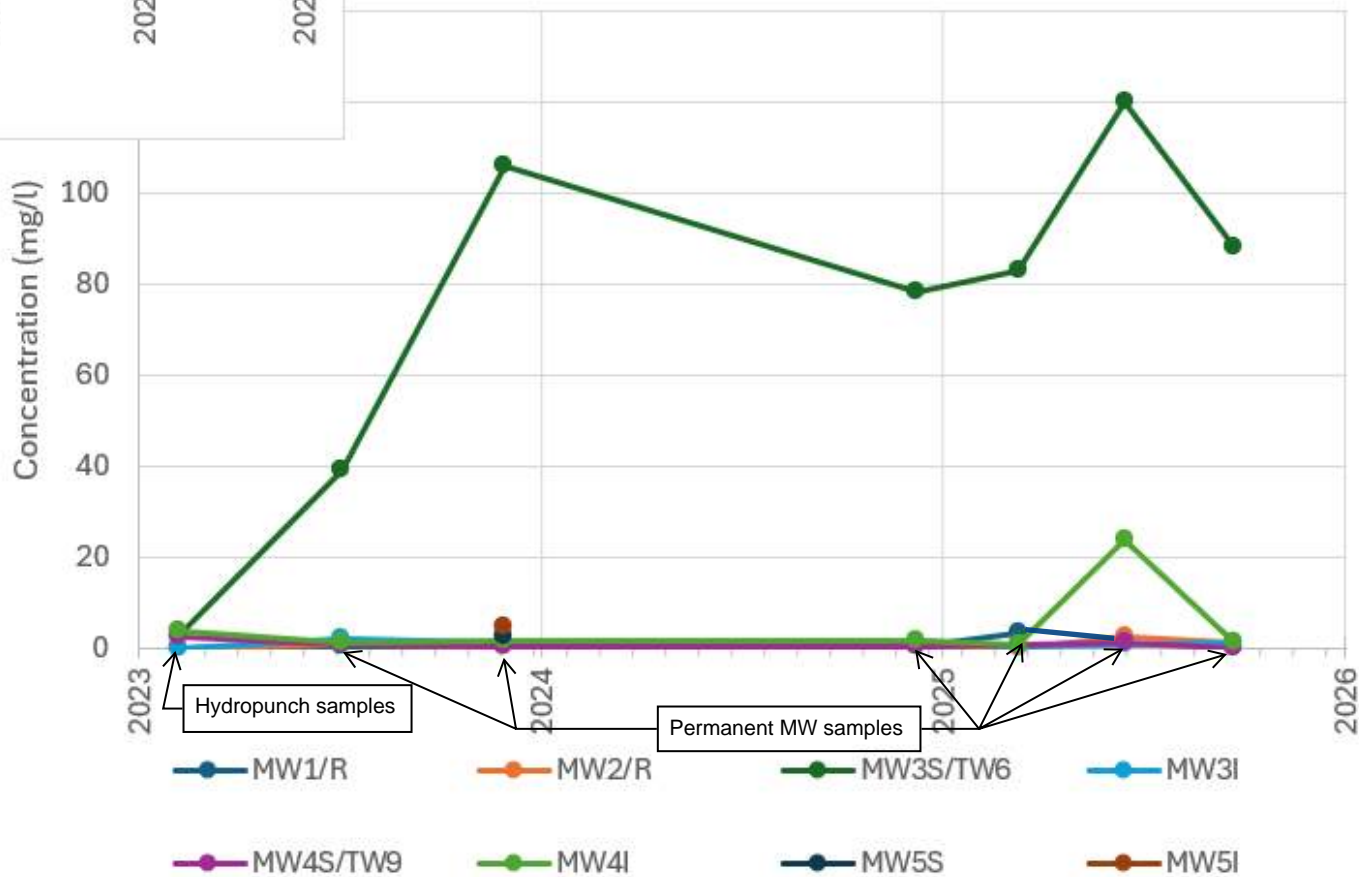
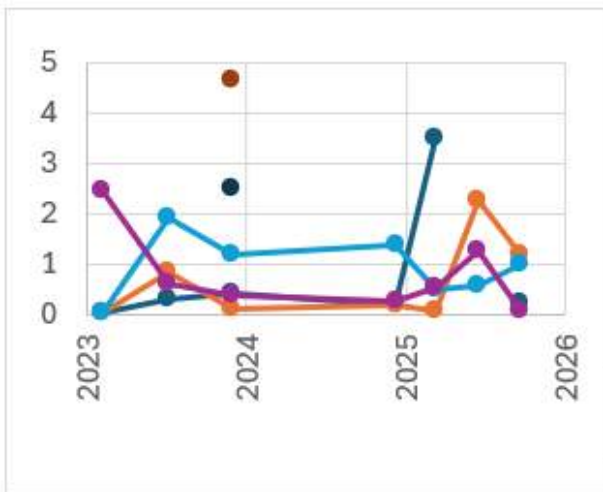


# MW5I PFAS Concentrations



## Appendix D-3. MNA Parameters Trend Monitoring Graphs

### Dissolved Iron

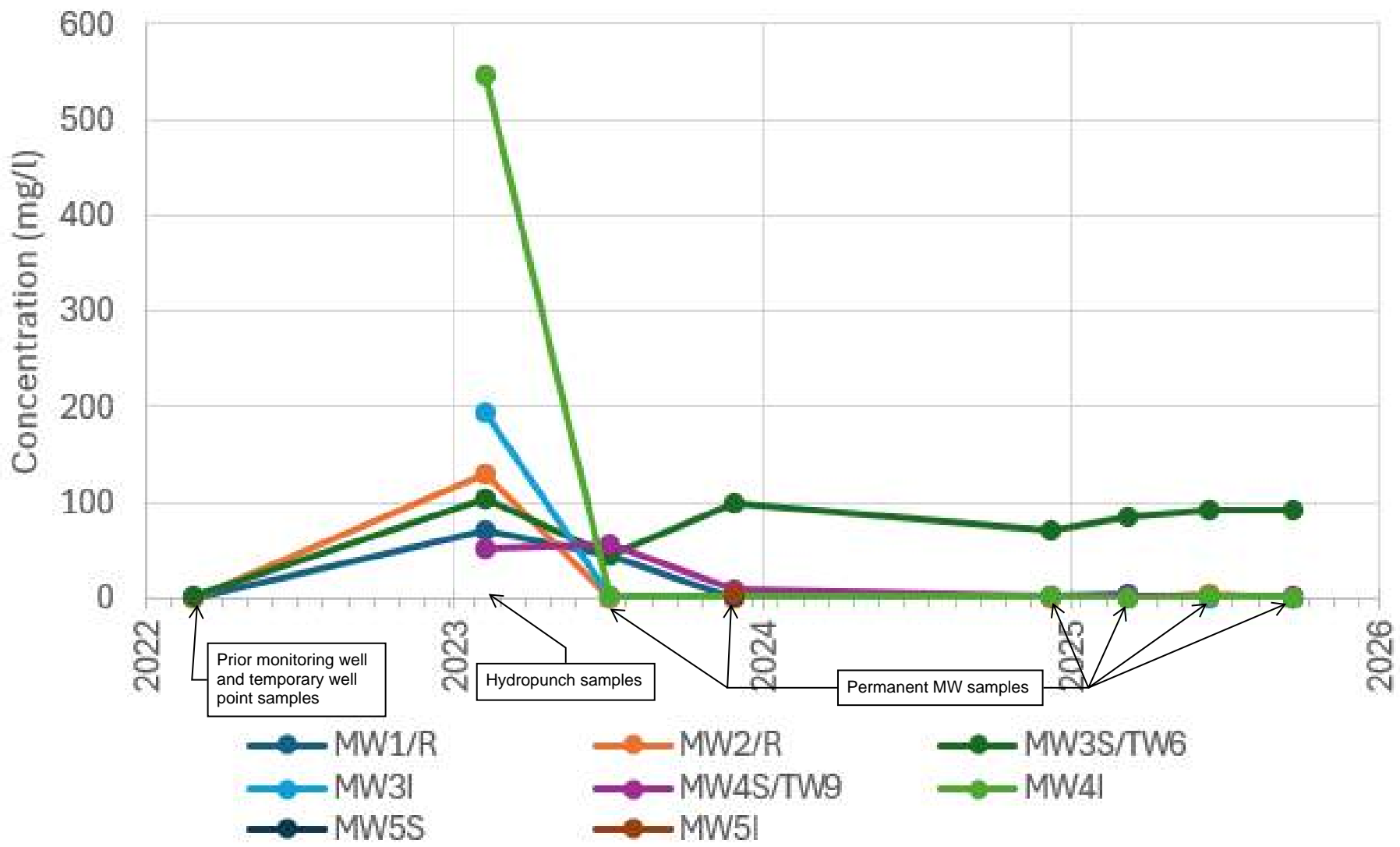


A Hydropunch sampler was used to collect groundwater from temporary borings at the approximate locations of MW1R, MW2R, MW3S/I, and MW4S/I in February 2023 because permanent wells could not be installed at that time due to ongoing facility construction. These samples are designated with "\_G" suffixes.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

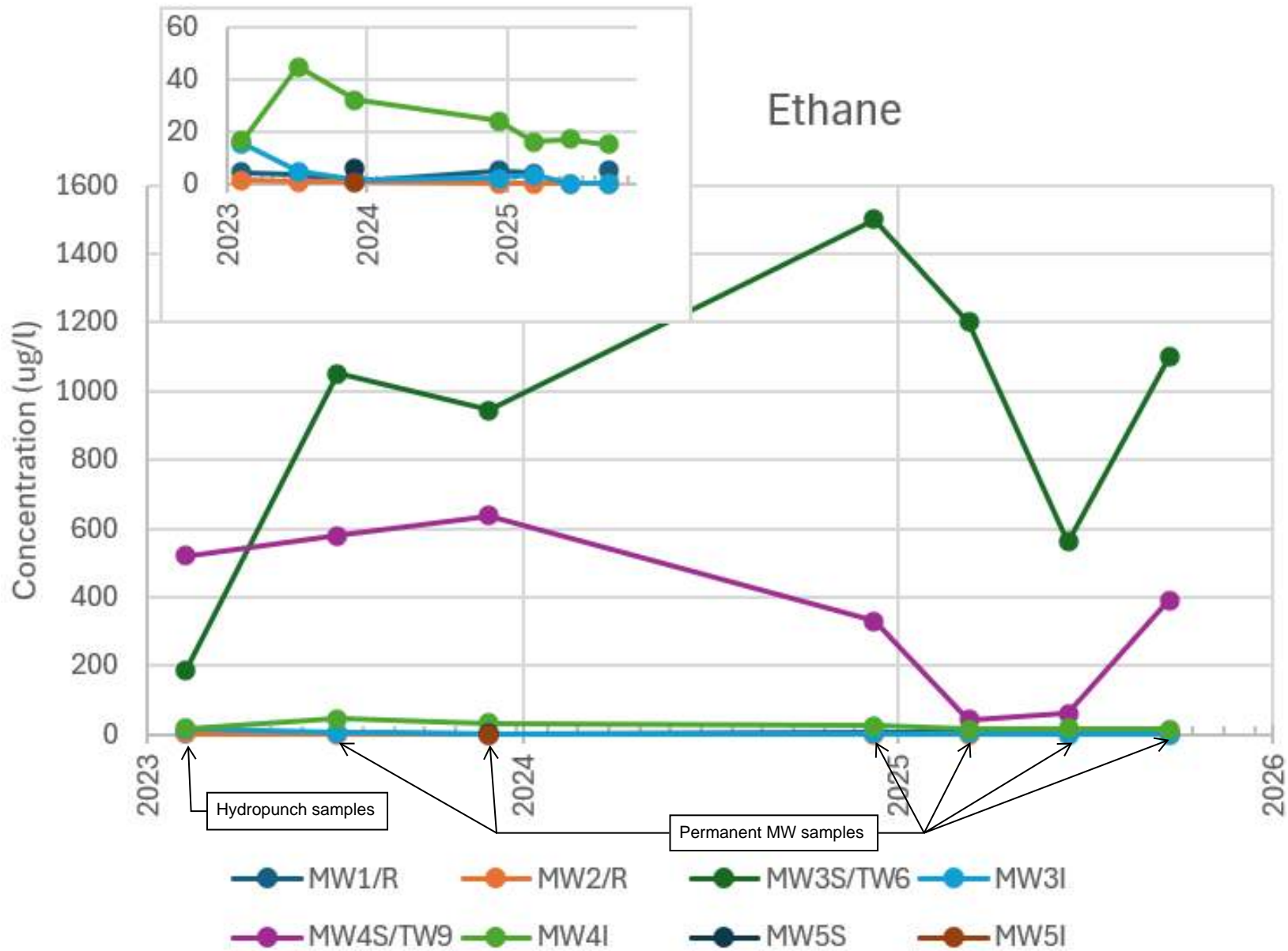
# Total Iron



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.

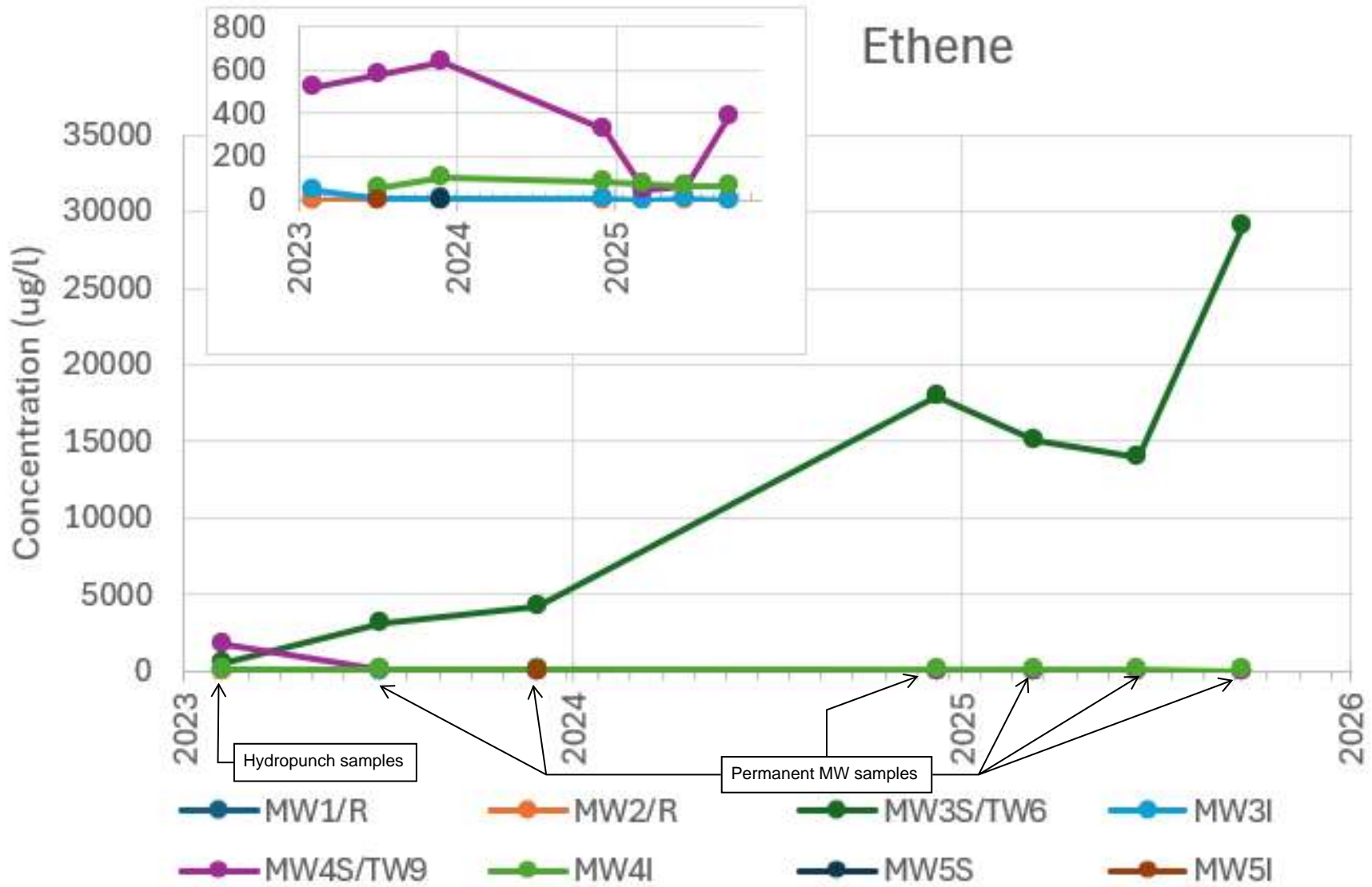
There was not a sample collected from MW1R in June 2025 due to the presence of NAPL.



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.

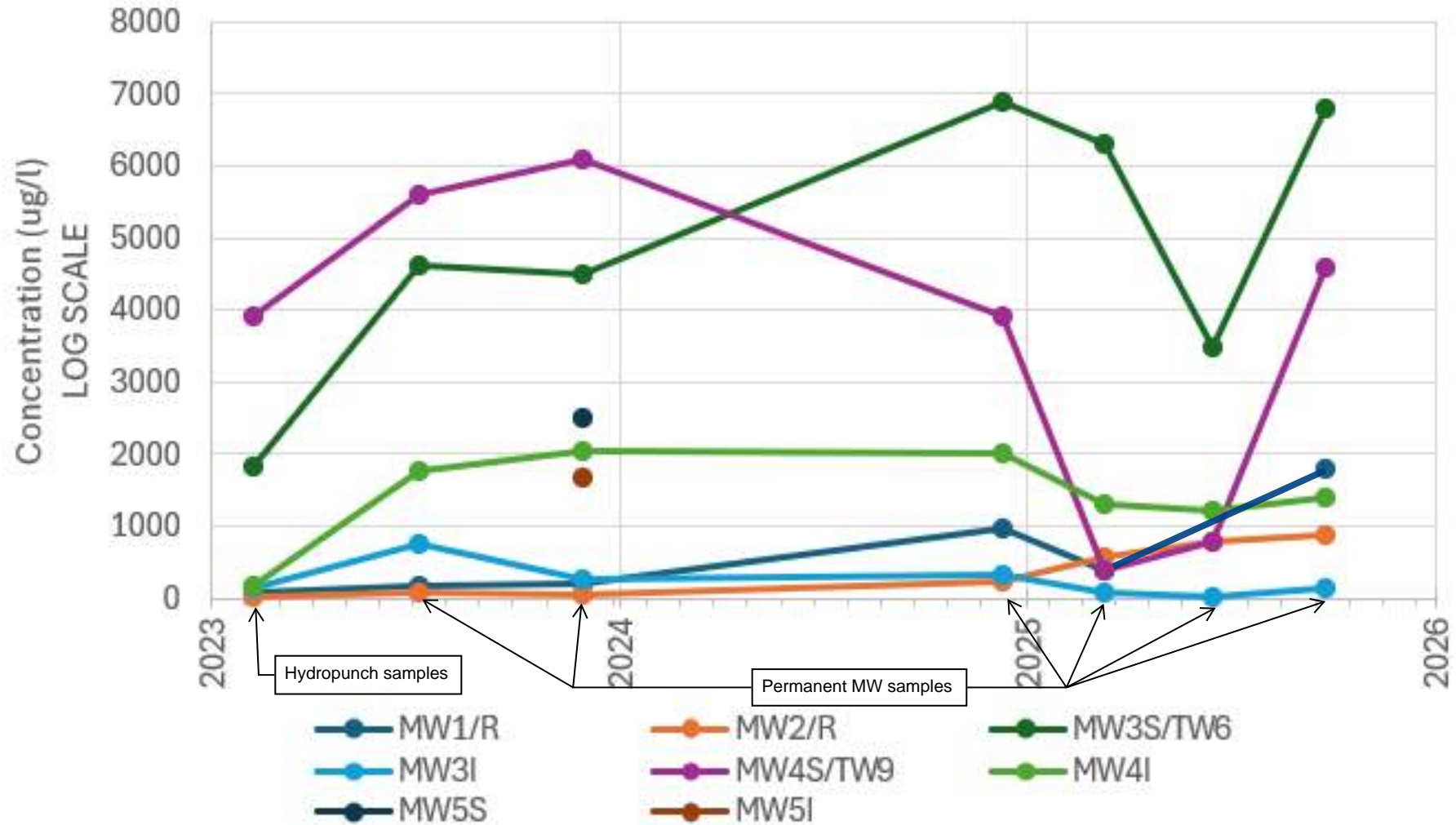


A Hydropunch sampler was used to collect groundwater from temporary borings at the approximate locations of MW1R, MW2R, MW3S/I, and MW4S/I in February 2023 because permanent wells could not be installed at that time due to ongoing facility construction. These samples are designated with "\_G" suffixes.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

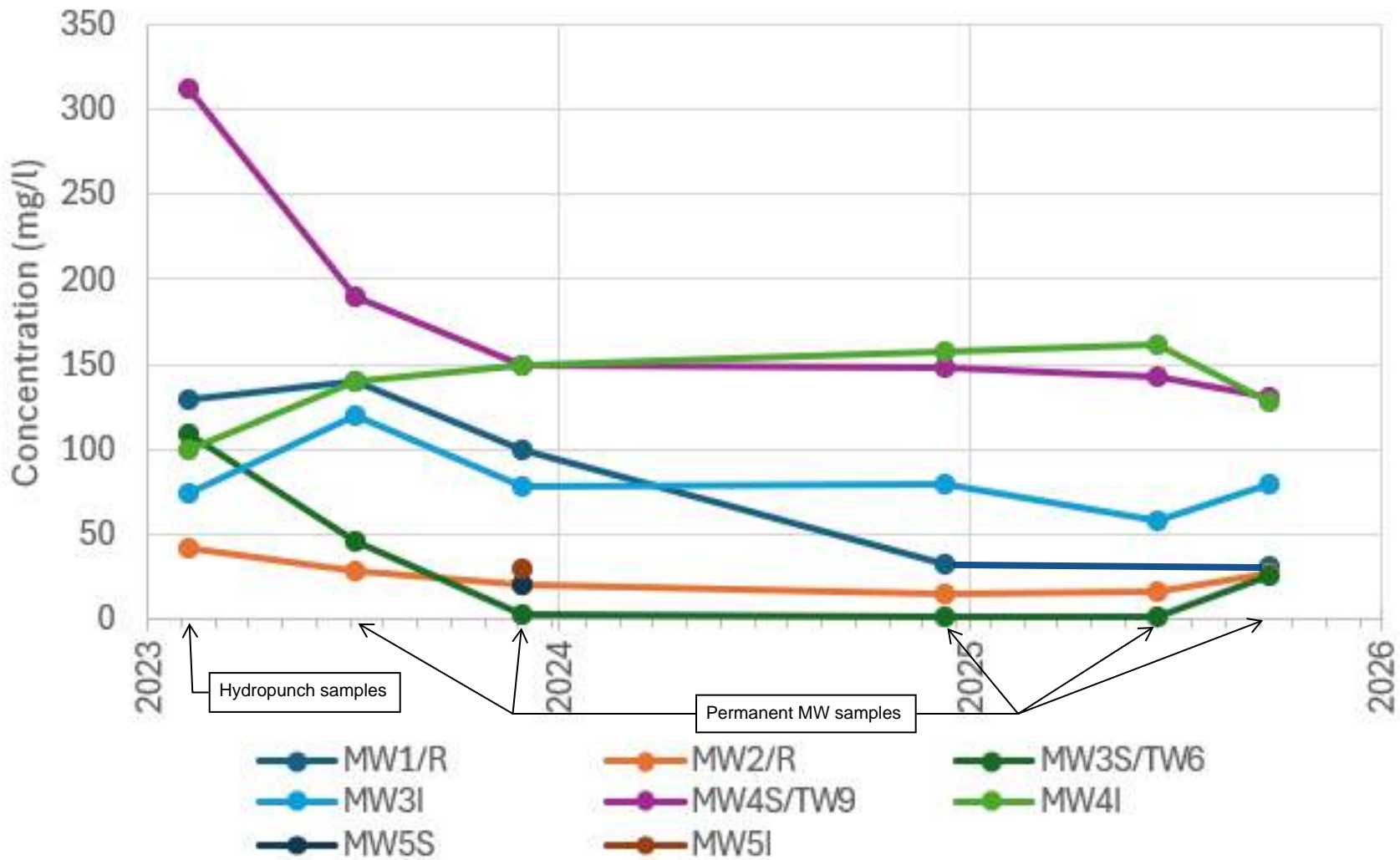


A Hydropunch sampler was used to collect groundwater from temporary borings at the approximate locations of MW1R, MW2R, MW3S/I, and MW4S/I in February 2023 because permanent wells could not be installed at that time due to ongoing facility construction. These samples are designated with "\_G" suffixes.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



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.