

**Former LaRussell's Cleaners Site  
406 Route 52  
LAKE CARMEL, TOWN OF KENT  
PUTNAM COUNTY, NEW YORK**

**2025 Periodic Review Report**

**NYSDEC HW Site Number: 340020**

**Prepared for:**

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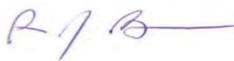
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September 2025

**CERTIFICATION STATEMENT**

I Richard J. Baldwin certify that I am currently a NYS registered professional geologist and a qualified environmental professional as is defined in 6 NYCRR Part 375 and that this Periodic Review Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).



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P.G., QEP

September 3, 2025 DATE

**Former LaRussell’s Cleaners Site**  
**Lake Carmel, Town of Kent, Putnam County, New York**  
**2025 PERIODIC REVIEW REPORT**

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## I. EXECUTIVE SUMMARY

This Periodic Review Report (PRR) is required as an element of the remedial program at the Former LaRussell's Cleaners Site, located in Lake Carmel, Town of Kent, Putnam County, New York (hereinafter referred to as the "Site"). The Site location is shown on **Figure 1**. The Site is currently in the New York State Inactive Hazardous Waste Disposal Site Remedial Program, Site No. 340020 which is administered by the New York State Department of Environmental Conservation (NYSDEC). The PRR documents the implementation of and compliance with site-specific requirements set forth in the Site Management Plan (SMP). Please note that a draft of the SMP has been submitted to the NYSDEC and HES is awaiting approval or review comments on this document.

In 2016, Brian J. Finney of A-Class Management, Inc. entered into an Order on Consent (Index No. CO 3-20160127-9) with the NYSDEC to remediate the Site. In 2019, responsibilities for NYSDEC-required site remediation were transferred to Mr. Amit Patel (the responsible party), the current owner/operator of Gino's Grab n' Go, a deli/convenience store occupying the first floor of the former dry cleaners building on the Site. A figure showing the Site location, and boundaries of the Site, including a full description of the meters and bounds is included in the Environmental Easement survey provided in **Appendix A**.

The contaminants of concern (COCs) for the Site are halogenated volatile organic compounds (VOCs) related to the improper disposal of dry-cleaning chemicals, including the chlorinated solvents tetrachloroethylene (PCE) and its breakdown components, trichloroethylene (TCE) and cis-1,2-dichloroethylene (cis-1,2-DCE). Based upon multiple rounds of sampling and analyses, the COCs remain in groundwater beneath the Site and continue to impact the potable supply wells of the former dry cleaners building (located on-Site) and the hair salon.

Per NYSDEC protocols, Institutional and Engineering Controls (ICs and ECs) have been incorporated into the Site remedy to control exposure to the COCs to ensure protection of public health and the environment. The ECs servicing the Site include two Point of Entry Treatment (POET) systems which service the water supply wells of the former cleaners and the hair salon by removing COCs with granulated activated carbon (GAC) filters. A sub-slab depressurization system (SSDS), located beneath the slab of the former cleaners building, is used to mitigate potential soil vapor intrusion (SVI) in the building. Four monitoring wells, designated MW-3S, MW-3D, MW-6, and MW-8D, are utilized to monitor groundwater beneath the Site and in the surrounding area. Well construction details for the four monitoring wells currently sampled as part of the SMP are included in **Table 1**. The Site boundary, EC locations, and monitoring well locations are shown on **Figure 2**. The Site consists of Parcel A which is the location of the former dry cleaner building and Parcel B which is improved with a hair salon.

Operation and maintenance (O&M) inspections of the ECs, including influent, mid-fluent, and effluent water sampling of the two POET systems, were completed in August 2024 and June 2025. Collection and analysis of groundwater samples from monitoring wells MW-3S, MW-3D and MW-8D for VOCs to monitor the presence of COCs was completed on August 6, 2024. On June 10, 2025, collection and analysis of groundwater samples from all four monitoring wells for NYSDEC Target Compound List (TCL) VOCs to monitor the presence of COCs was completed. The SSDS was visually inspected in August of 2024 and June of 2025.

Based on the 2024 and 2025 system sampling analytical results, the POET systems servicing the former cleaners and the hair salon are achieving their remedial goal by effectively removing COCs from their respective water supplies. The POET system VOC sampling results for the August 2024 sampling event are summarized on **Table 2** and the POET system VOC sampling results for the June 2025 sampling event are summarized on **Table 3**, respectively, and the laboratory analytical reports for 2024 and 2025 are included in **Appendix B**.

Based upon the presence of PCE's breakdown products of TCE and cis-1,2-DCE in groundwater samples and the POET systems influent data, natural attenuation of contaminants is occurring in the groundwater beneath the Site; however, contaminants still remain above NYSDEC Ambient Water Quality Standards (AWQS) Class GA drinking water standards. The monitoring well groundwater VOC sampling results for the August 2024 and June 2025 sampling events are summarized on **Table 4** and **Table 5**, respectively, and the laboratory analytical reports for 2024 and 2025 are included in **Appendix B**.

According to the Responsible Party (RP), the need for water extracted from the former Cleaners on-site water supply well was significantly reduced when the on-site deli ceased the use of steam tables and on-site cooking. This reduction in water usage reportedly started in December of 2022. It is postulated that the reduction in the groundwater extracted from the former Cleaners supply well reduced its associated capture zone which potentially resulted in the observed excursions in selected VOC concentrations in the groundwater samples collected from MW-3D and the Salon POET system. It should be noted that with the exception of the Salon POET influent samples, the overall concentrations of targeted VOCs appear to be mostly stable and low for the other compliance sampling points.

The SSDS servicing the former cleaners was confirmed to be operating as designed and achieving its remedial goal of maintaining vacuum beneath the slab of the building. The SSDS was inspected in August of 2024 and June of 2025 and no repairs or adjustments to the system were required.

At the request of the NYSDEC, additional groundwater samples were collected from monitoring wells MW-3D and MW-8D and analyzed for emerging contaminants including 1,4-Dioxane and Per- and Polyfluoroalkyl Substances (PFAS). Additionally, samples were collected from the potable wells of the former cleaners and hair salon (i.e., POET system influent samples),

Results indicated that PFAS, including perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) were detected in samples collected from MW-3D and MW-8D, as well as the pre-treatment samples collected from the former cleaners and hair salon POET systems and the former cleaners midfluent system for June 2025. 1,4-Dioxane was not detected in any of the samples collected in August of 2024 or June of 2025. Emerging contaminant sampling results for the monitoring wells and the POET pre-treatment samples are summarized on **Table 6** and the laboratory analytical reports from August 2024 and June 2025 are included in **Appendix B**.

## **II. SITE OVERVIEW**

### **A. Site Location and Description**

The Site is located in Lake Carmel, Town of Kent, Putnam County, New York and is identified as Section 33, Subsection 72, Block 1, Lots 9 and 18 on the Putnam County Tax Map. The Site location is shown on a topographic map on **Figure 1** and the site boundaries are shown on **Figure 2**. The Site is an approximately 1.1-acre area bounded by a vacant wooded lot to the north, a commercial property consisting of a small one-story building and parking lot occupied by a hair salon (Hair Palace II), to the south, a residential neighborhood (Mt. Hope Road) to the east and Route 52 to the west. Lot 18 (also identified as Parcel A), the 0.55-acre, deed-restricted area located at 406 Route 52, is the location of the former dry-cleaning building. Lot 9 (also identified as Parcel B) is the 0.56-acre lot abutting Parcel A to the west and Mount Hope Road to the east. The boundaries of the Site are more fully described in **Appendix A**, the Environmental Easement survey.

The Site (both Parcels A and B) is owned by A-Class Management, Inc.; however, since 2019, Site management and remediation responsibilities have been transferred to Mr. Amit Patel, hereinafter referred to as the Responsible Party (RP).

### **B. Remedial Program History**

#### **i. Potable Drinking Water and Groundwater**

PCE contamination was first discovered in a sample collected from the Site potable supply well by the Putnam County Department of Health (PCDOH) in 1981. Subsequent sampling in the surrounding area also found contaminants of concern (PCE, TCE and cis-1,2-DCE) impacts in the potable supply well of the current hair salon, located Parcel B, and the potable supply well of the Sofair Apartments, located approximately 350 feet north of the Site.

In response to the sampling results, a GAC treatment system was installed in the former dry cleaners building (Parcel A) at the request of NYSDEC in December 1993 to remove PCE and other VOCs from the drinking water supply and to bring it into compliance with State drinking water standards. In 2001, the former cleaner's system was replaced by a POET system which treated all water entering the building. The NYSDEC also requested POET GAC systems be

installed and operated at the Sofair Apartments (installed November 1993 and since removed) and the telecommunications building (current hair salon) located on Parcel B (installed September 1994, still in service).

A network of 16 groundwater monitoring wells (14 of which were installed in nested shallow and deep pairs) were installed on and off of the Site as part of the 1998 Remedial Investigation (RI) to delineate the areal and vertical extent of the COCs in groundwater. Sampling of groundwater samples from the wells for VOC analysis indicated that groundwater contamination was largely restricted to the Site and the area immediately surrounding it, extending to the former lumber yard (current Lakeview Community Church) to the southwest.

In September 1998, the NYSDEC issued a Record of Decision (ROD) prescribing remedial action to be taken on the Site. The remedy consisted of maintaining the two POET systems at the hair salon and the Sofair Apartments, as well as installing a continuous pump and treat POET system at the dry cleaners. The ROD also required regular sampling of several of the on and off-Site monitoring wells. In 2001 the Site owners entered into an Order on Consent with the NYSDEC to fulfill the requirements of the ROD.

In January 2016, following the sale of the Site, the NYSDEC entered into a Consent Order with the new owners of the Site, A-Class Management, Inc. The Consent Order required the Site owners to install and maintain a new POET system at the former dry cleaners building (which was being rebuilt after it was destroyed by a fire) and maintain the existing POET system servicing the hair salon. In addition, the new Site owners were responsible for conducting semi-annual sampling of five existing monitoring wells MW-3S, MW-3D, MW-6, MW-8S, and MW-8D (MW-8S was later abandoned). The monitoring and operation and maintenance (O&M) requirements related to the POET systems and monitoring wells are summarized in the sections below and in the draft NYSDEC SMP. Well construction details for the four monitoring wells currently sampled as part of the SMP are included in **Table 1**. The monitoring well and EC locations (including the active POET systems) are shown on **Figure 2**.

## ii. Surface and Subsurface Soil

As part of the 1998 RI, 24 subsurface soil samples and two surface soil samples were collected at the Site. Based on laboratory analytical results from the soil sampling, only one soil sample contained Target Compound List (TCL) VOCs exceeding NYSDEC Soil Cleanup Objectives (SCOs). The RI states that the lack of soil contamination can be attributed to the presence of the paved asphalt cap that covered most of the ground surface around the former dry cleaners. The NYSDEC ROD did not include excavation or other soil remediation activities. Additionally, in the time since the sampling in the RI was conducted, the asphalt cap has not been removed, nor have there been any recorded spills on the Site. As such, it is assumed that the 1998 RI sampling

results reflect the current state of soils on-Site. No additional ECs or monitoring and sampling related to surface or subsurface soil were required as part of the draft SMP.

### **iii. Soil Vapor Intrusion and Indoor Air Quality**

Soil vapor intrusion (SVI) and indoor air quality (IAQ) investigations were conducted on-Site and at off-Site locations. An SVI was conducted at the Site in 1998 which found PCE concentrations ranging from non-detect to 800 parts per billion (ppb) in four laboratory samples. PCE concentrations measured by a calibrated gas chromatograph ranged from non-detect to 36,900 ppb. Based on these results, no SVI or IAQ mitigation measures were recommended as part of the NYSDEC ROD for the Site. However, as part of the 2016 Order on Consent for the Site, the Site owner at the time, A-Class Management agreed to install a Sub-slab Depressurization System (SSDS) beneath the former dry cleaner building as part of its reconstruction. Following the installation of the SSDS, two sets of air samples were collected by HES in August 2016 (during the cooling season) and January 2017 (during the heating season). Each round of sampling consisted of two samples collected inside the building on the first and second floors and one outdoor sample. Contaminants of concern PCE, TCE, and cis-1,2-DCE were detected in low concentrations in indoor and outdoor samples from the two rounds but were well below New York State Department of Health (NYSDOH) guidelines.

An IAQ investigation conducted in 2006 at the former telecommunications building (current hair salon) on Parcel B and an SVI investigation conducted in 2009 at the printing building located west of the Site concluded that based on NYSDEC/NYSDOH guidelines, no action was required to mitigate SVI at these two locations.

The SSDS beneath the former dry cleaners undergoes regular monitoring and O&M inspections as described in the sections below and in the draft SMP.

## **I. EVALUATE REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS**

Analytical results from influent samples collected from the POET systems servicing the former cleaners and hair salon during the August 2024 and June 2025 sampling events indicate that contaminants of concern are still found in the systems influent water above NYSDEC-AWQS. However, results from the effluent samples collected from the two POET systems indicated that none of the contaminants of concern were detected above laboratory method detection limits (MDLs) in any of the samples collected during the August 2024 and June 2025 sampling events. Based on the 2024 and 2025 POET sampling analytical results, the POET systems servicing the former cleaners and the hair salon are effectively removing COCs from their respective water supplies. The POET systems at the former cleaners and the hair salon should continue to be monitored and maintained during the 2026 monitoring period, and GAC vessels replaced as required.

The POET sampling results from August 2024 and June 2025 are included on **Table 2** and **Table 3**, respectively. The laboratory analytical reports for the 2024 AND 2025 POET system sampling events are included in **Appendix B**. The locations of the POET systems are shown on **Figure 2**.

Groundwater sampling events were conducted at monitoring wells MW-3S, MW-3D, MW-6 and MW-8D in June of 2025 and at monitoring wells MW-3S, MW-3D, and MW-8D in August of 2024. The concentrations of COCs were much lower in the groundwater samples collected in June of 2025 – this is believed to be a function of the RP increasing the extraction rate of the drinking water well on the cleaner’s site circa early 2025. Based on analytical results from the sampling events, COCs are still present in concentrations above Class GA groundwater standards in groundwater samples collected from one of the four monitoring wells. COC concentrations have been below AWQS in all samples from MW-8D collected since 2019 with the exception of the June 2025 sampling event. Analytical results from MW-3S groundwater samples indicate that TCE and cis-1,2-DCE concentrations are consistently below AWQS while PCE concentrations have fluctuated above and below AWQS since 2019. The groundwater chemistry associated with MW-3D and MW-6 have experienced similar data trends with PCE at higher concentrations than TCE and cis-1,2-DCE. Based on the 2024 and 2025 monitoring and sampling results, contaminants still remain above AWQS in one out of the four sampling locations and therefore ICs and ECs should continue to be employed, including use of POET systems and restrictions on new potable wells. Multiple PFAS compounds were detected in the groundwater samples from MW-3D and MW-8D, all at concentrations below their respective NYSDEC criteria. Two PFAS compounds were detected in the influent samples at concentrations exceeding their respective NYSDEC criteria – it is recommended that the final POET system effluent be collected during the next round of sampling and analyzed for ECs. The next PRR will also summarize the 2026 sampling results and O&M inspections of the POET systems and SSDS.

The monitoring well sampling results from the August 2024 and June 2025 sampling events are included on **Table 4** and **Table 5**, respectively. The laboratory analytical reports for the 2024 and 2025 monitoring well sampling events are included in **Appendix B**. The locations of the monitoring wells are shown on **Figure 2**.

Inspections of the SSDS servicing the former cleaners conducted in August 2024 and June 2025 found the system to be in good working condition. The radon fan servicing the system and the connecting riser pipe appeared to be in good condition based on visual inspection. Based on these inspections, the former cleaners SSDS is operating effectively. The SSDS location is shown on **Figure 2**.

## II. INSTITUTIONAL/ENGINEERING CONTROL PLAN COMPLIANCE REPORT

### A. Institutional Control Requirements and Compliance

A series of ICs is required by the ROD and Orders on Consent (2001 and 2016) to: (1) implement, maintain and monitor EC systems; (2) prevent future exposure to remaining contamination; and (3) limit the use and development of the Site to commercial and restricted residential uses only. Adherence to these ICs on the Site is required by the Environmental Easement and has been implemented under the draft SMP. ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement. The IC boundaries are shown on the Environmental Easement survey in **Appendix A**. These ICs are:

- The property may be used for restricted residential and commercial use;
- All ECs must be operated and maintained as specified in the draft SMP;<sup>1</sup>
- All ECs must be inspected at a frequency and in a manner defined in the draft SMP.
- The use of groundwater underlying the property is prohibited without necessary water-quality treatment as determined by the NYSDOH or the PCDOH to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the NYSDEC.
- Groundwater and other environmental or public health monitoring must be performed as defined in the draft SMP;
- Data and information pertinent to Site management must be reported at the frequency and in a manner as defined in the draft SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with the draft SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the draft SMP;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the draft SMP;
- Access to the Site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.
- The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on the figure included in the Environmental Easement survey in **Appendix A**, and any potential impacts that are identified must be monitored or mitigated; and
- Vegetable gardens and farming on the Site are prohibited.

All the aforementioned ICs for the Site are being adhered to and remain valid as noted on the NYSDEC Institutional and Engineering Controls Certification Form, which is included in **Appendix C**.

**B. Engineering Control Requirements**

**i. Point of Entry Treatment (POET) Systems**

POET systems currently service the former cleaners building (Parcel A) and the hair salon (Parcel B). The POET systems remove VOCs in groundwater by GAC filtration, effectively removing VOCs below AWQS to return groundwater to potable quality-water usage. As per the Orders on Consent (2001 and 2016), the POET systems are to be monitored and maintained until the NYSDEC, NYSDOH and PCDOH authorizes the discontinuance of their operation. The locations of the POET systems are shown on **Figure 2**.

The performance of each POET system is currently monitored on a semi-annual basis, primarily through the collection of water samples for VOC analysis from each system's influent, mid-fluent, and effluent ports. If any one of the contaminants of concern (i.e., PCE, TCE DCE) is detected in a mid-fluent or effluent sample above the concentration of 1 microgram per liter ( $\mu\text{g/L}$ ) or 1 ppb, the GAC canister preceding the port from which the sample was collected will be removed from the system and spent carbon will be properly disposed of. The canister will then be replaced with the next canister in-line, and a fresh carbon canister will be installed between the mid-fluent port (second mid-fluent port in hair salon system) and the effluent port. If elevated concentrations of VOCs other than the COCs are detected in mid-fluent and effluent samples, GAC canisters will be replaced accordingly.

Laboratory analytical results from POET system sampling events conducted in August of 2024 and June of 2025 indicate that each system is effectively removing COCs from their respective water supplies (as is described in **Section III** above and the sampling results summarized in **Table 1 and Table 2**). However, based on results from the 2024 and 2025 sampling events, O&M inspections, and age of the GAC canisters at the former cleaners, some maintenance is recommended for the former cleaners POET system including replacement of all three GAC canisters in the event that any breakthrough occurs at the first GAC canister. Further, it is recommended that the final influent samples be analyzed for ECs to confirm that the GAC filters are effectively removing the ECs detected in the June 2025 influent samples. The recommended maintenance is described in the O&M Compliance Report in **Section VI** below. No unscheduled maintenance is required of the POET system servicing the hair salon.

## ii. Sub-slab Depressurization System (SSDS)

The SSDS is installed below the first-floor concrete slab of the former cleaners building. The SSDS location is shown on **Figure 2**. The purpose of the system is to mitigate soil vapor beneath the building related to the historic improper disposal of dry-cleaning chemicals. The August 2024 and June 2025 inspection of the SSDS servicing the former cleaners found the system to be in good working condition.

### C. Institutional and Engineering Control Certification

The NYSDEC Institutional and Engineering Controls Certification Form is included in **Appendix C**.

## III. MONITORING PLAN COMPLIANCE REPORT

### A. Groundwater Monitoring and Sampling

Monitoring and sampling were completed at wells MW-3S, MW-3D and MW-8D in August 2024 and at wells MW-3S, MW-3D, MW-6 and MW-8D in June 2025, according to the semi-annual schedule set forth by the draft SMP. During each sampling event, groundwater samples were collected from each of the three or four wells to be analyzed for NYSDEC TCL VOCs using EPA Method 8260. Additionally, during the June 2025 sampling event, samples were collected from MW-3D and MW-8D to be analyzed for PFAS and 1,4-dioxane, designated by the NYSDEC as emerging contaminants sampling points.

Depth to water measurements recorded at the three or four monitoring wells during the 2024 and 2025 monitoring and sampling events are included with well construction details on **Table 1**. The monitoring well sampling results from the August 2024 and June 2025 sampling events for TCL VOC analyses are included in **Table 4** and **Table 5**, respectively. The laboratory analytical reports for the 2024 and 2025 monitoring well sampling events are included in **Appendix B**. The emerging contaminant results from the June 2025 sampling event are included in **Table 6**. The locations of the monitoring wells are shown on **Figure 2**.

During the groundwater sampling events conducted in 2024 and 2025, standard monitoring well sampling procedures were followed. Depth to water was measured at each well using a decontaminated electronic interface meter and three well volumes were purged using a dedicated polyethylene bailer (i.e., MW-3S, MW-3D and MW-8D) or a variable flow pump with dedicated tubing (MW-6). The August 2024 samples were transferred to hydrochloric acid (HCl) preserved 40-milliter vials and delivered on-ice to York Analytical Laboratories, Inc. (York), a New York State certified laboratory located in Stratford, Connecticut to be analyzed for NYSDEC TCL VOCs via EPA Method 8260. For the June 2025 samples, they were transferred to hydrochloric

acid (HCl) preserved 40-milliter vials and delivered on-ice to Pheonix Environmental Laboratories, a New York State certified laboratory located in Manchester, Connecticut to be analyzed for NYSDEC TCL VOCs via EPA Method 8260.

Per the direction of the NYSDEC, the groundwater samples collected from MW-3D and MW-8D were analyzed for PFAS during the June 2025 event, additional and alternate sampling procedures were followed. Specifically, Well MW-3D was sampled using a bladder pump with a dedicated HDPE bladder and tubing. Well MW-8D was sampled using a peristaltic pump with dedicated HDPE tubing. Well MW-8D needed to be sampled using a peristaltic pump due to the small diameter of the wells. The two wells were purged and sampled using the low-flow method. During purging, field parameters (including dissolved oxygen, conductivity, temperature, and pH), were recorded at five minute intervals. Sampling commenced following stabilization of water quality parameters. The low-flow water quality parameters recorded during the purging of wells MW-3D and MW-8D are included in **Appendix D**. All groundwater samples were transferred to appropriate containers and delivered on-ice to York in 2024 and Pheonix in 2025 to be analyzed for TCL VOCs (EPA Method 8260), 1,4-Dioxane (EPA Method 8270 SIM) and/or PFAS (EPA Method 537m).

VOC laboratory analytical results from the 2024 and 2025 groundwater monitoring and sampling events indicate that, based upon the presence of PCE's breakdown products of TCE and DCE in groundwater samples and the POET systems influent data, natural attenuation of the COCs is occurring in the groundwater beneath the Site; however, COCs are still present above AWQS in groundwater from each of the wells. Further, the concentrations of COCs in the groundwater samples collected in June of 2025 were much lower than those detected in August of 2024. It is believed that this is due to the RP increasing the flow rate of the Cleaner's water-supply well circa early 2025. The VOC sampling results are described more fully in **Section III** above.

Emerging contaminant laboratory analytical results from the June 2025 sampling indicated that 1,4-dioxane was not detected above laboratory MDLs in the samples collected from MW-3D and MW-8D. Several PFAS compounds were detected above laboratory MDLs in the groundwater samples collected from MW-3D and MW-8D all at concentrations below their respective NYSDEC regulatory criteria. At this time, the NYSDEC does not promulgate any AWQS for PFAS compounds, however, new guidelines published by the NYSDEC (Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs, October 2021), indicate that if PFOA or PFOS are detected at or above 6.7 and 2.7 nanograms per liter (ng/L) in any groundwater sample, PFAS should be further assessed and considered a contaminant of concern. In addition, the USEPA has recently promulgated drinking water standards for certain PFAS compounds in water supply systems. The standards include the following: MCLs of 4 parts per trillion (ppt) for PFOA and PFOS individually, and an MCL/MCLG of 10 ppt for PFNA, PFHxS and GenX chemicals.

## B. POET System Monitoring and Sampling

POET system sampling was conducted at the former cleaners and the hair salon in 2024 and 2025 according to the semi-annual schedule set forth by the SMP. Influent, mid-fluent and effluent water samples were collected from each POET system and analyzed for NYSDEC TCL VOCs using EPA Method 8260. Additionally, during the June 2025 sampling event, pre-treatment/influent water samples were collected from the two active POET systems and were analyzed for 1,4-dioxane and PFAS at the direction of the NYSDEC.

The POET sampling results from August 2024 and June 2025 are included on **Table 2** and **Table 3**, respectively. The laboratory analytical reports for the 2024 and 2025 POET system sampling events are included in **Appendix B**. PFAS sampling results from the June 2025 sampling event are included on **Table 6**. The locations of the POET systems are shown on **Figure 2**.

During each sampling event, POET system water samples were collected from the influent, mid-fluent, and effluent ports at each system for VOC analysis. The former Cleaners has one mid-fluent port as it has two GAC canisters while the hair salon system has two mid-fluent ports (three GAC canisters). POET system samples are collected in the order of effluent, mid-fluent, influent, to prevent cross contamination of samples. Samples are collected in 40 milliliter vials preserved with HCl and submitted to York in 2024 and Pheonix in 2025 on-ice for NYSDEC TCL VOC analyses.

Per the direction of the NYSDEC, samples for PFAS analysis in June 2025 were collected from the influent ports of both POET systems in appropriate containers and submitted on-ice to York in 2024 and Pheonix in 2025 to be analyzed using EPA Method 537.1.

The TCL VOC analytical results from influent samples collected from the two POET systems during the 2024 and 2025 sampling events indicated that COCs are still present in the system influent water above NYSDEC-AWQS. The TCL VOC results from the mid-fluent and effluent samples collected from the two POET systems indicated that none of the COCs were detected above laboratory MDLs in these samples collected during the August 2024 and June 2025 sampling events. The TCL VOCs were higher in the June 2025 influent samples, likely due to the increase in pumping rates of the supply well circa early 2025. These system-performance data support the conclusion that the GAC canisters are still functioning properly and do not require change out.

PFAS laboratory analytical results from the June 2025 sampling event indicated that several PFAS compounds were detected in the pre-treatment/influent samples collected from both POET systems. At this time, the NYSDEC does not promulgate AWQS for PFAS compounds, however, new guidelines published by the NYSDEC indicate that if PFOA or PFOS are detected at or above 6.7 and 2.7 ng/L or 6.7 and 2.7 ppt and PFHxA or PFBS are detected at or above 100

ng/L or 100 ppt in any groundwater sample, PFAS should be further assessed and considered a contaminant of concern. In addition, the USEPA has recently promulgated drinking water standards for certain PFAS compounds in water supply systems. The standards include the following: MCLs of 4 ppt for PFOA and PFOS individually, and an MCL/MCLG of 10 ppt for PFNA, PFHxS and GenX chemicals. As GAC is an effective method to treat PFOS, and no TCL VOCs were detected in either POET system effluent sample, it is reasonable to assume that the POET systems are removing the PFOS. However, it is recommended that final system effluent samples be collected and analyzed for PFOS during the next sampling event.

### **C. SSDS Monitoring**

Monitoring of the SSDS was completed in 2024 and 2025. The SSDS location is shown on **Figure 2**. The August 2024 and June 2025 inspections indicated that the former cleaners SSDS was operating and has been in good working condition since the last inspection in June of 2025.

### **D. Monitoring Plan Compliance Conclusions and Recommendations**

Semi-annual monitoring and sampling conducted in 2024 and 2025 was completed in compliance with the SMP. Based on the results of the 2024 and 2025 monitoring and sampling events, sampling of groundwater from the four monitoring wells MW-3S, MW-3D, MW-6, and MW-8D, sampling of the two POET systems located in the former cleaners and the hair salon, and monitoring of the former cleaners SSDS, should be continued in 2026. It is recommended that the sampling frequency continue on a semi-annual basis.

## **IV. OPERATION & MAINTENANCE PLAN COMPLIANCE REPORT**

### **A. POET Systems O&M**

O&M inspections of the former cleaners and hair salon POET systems were conducted in August 2024 and June 2025. During the visits, a visual inspection of each system was conducted to identify any damage or leaks. At the former cleaners POET system, the pressure gauges located at each sampling port (between GAC canisters) and the LED status indicators on the UV filter were inspected as well. The hair salon POET system does not include working pressure gauges or a UV filter. Laboratory analytical results from the water samples collected from the influent, mid-fluent, and effluent ports from each POET system were used to determine if replacement of the GAC canisters was required.

Visual inspections conducted of the two POET systems found both systems to be in good working order with no leaks or damage. The pressure gauges installed on the former cleaner's system read approximately 30 pounds per square inch (PSI) pressure during the June 2025 visit,

within the 15-125 PSI operating range of the UV filter and below the 150 PSI maximum pressure of the GAC canisters. Based on the user's manual, LED indicator lights on the UV treatment system did not indicate any service was required.

Laboratory analytical results from POET system sampling events conducted in 2024 and 2025 indicated that each system is effectively removing TCL VOC COCs from their respective water supplies (as is described in **Section III** above and the sampling results summarized in **Table 2** and **Table 3**) and the O&M inspections found the systems to be in good working order. Continued monitoring of the systems is recommended to determine when the GAC canisters require replacement. It is recommended that final system effluent samples be collected and analyzed for PFOS during the next sampling event to confirm that the GAC is effectively removing the PFOS detected in the influents of both systems.

#### **B. SSDS O&M**

The vacuum fan servicing the system and the connecting riser pipe appeared to be in good condition based on visual inspection at the time of the 2024 and 2025 inspections. The recent inspections indicate that the former cleaners SSDS is operating effectively, and no unscheduled maintenance is required.

#### **C. Operation & Maintenance Plan Compliance Conclusions and Recommendations**

Semi-annual O&M inspections conducted in 2024 and 2025 were completed in compliance with the SMP. No unscheduled maintenance was required for the POET systems at the hair salon and former dry cleaners or the SSDS servicing the former cleaners.

O&M inspections of the two POET systems and the SSDS, should be continued for the monitoring and sampling events in 2025 and 2026

The responsible party should continue to perform routine maintenance to the systems, including changing of particulate filters serving the POET systems (at least every six months if indicated), changing the lamps on the UV treatment system as required, and conducting regular visual inspections of the POET systems and SSDS. The UV treatment system servicing the former cleaners is equipped with an audible alarm which sounds if the filter is malfunctioning. If the UV system alarm sounds, the tenants of the building should notify the responsible party immediately so the necessary service can be performed. The UV system to be installed at the hair salon POET system should be equipped with a similar alarm.

## V. CONCLUSIONS AND RECOMMENDATIONS

- The SMP requirements for the 2024 and 2025 monitoring period have been completed as is documented in this PRR.
- The SSDS servicing the former cleaners was inspected in August 2024 and June 2025 and was found to be operating as designed and achieving its remedial goal of maintaining vacuum beneath the slab of the building. The SSDS should continue to be monitored and maintained into the 2025 and 2026 monitoring period.
- Based on the 2024 and 2025 POET sampling analytical results, the POET systems servicing the former cleaners and the hair salon are achieving their remedial goal by effectively removing COCs from their respective water supplies. Contaminants of concern have not been detected above the respective MDLs in the effluent samples from either system. Monitoring and sampling of the two POET systems should continue into the 2026 monitoring period. It is recommended that final system effluent samples be collected and analyzed for PFOS during the next sampling event.
- Regularly scheduled maintenance of the Site ECs, including POET system maintenance related to changing cartridges of particulate filters and changing the lamps of the UV systems, should continue to be performed as needed by the responsible party.
- Based on the 2024 and 2025 groundwater monitoring and sampling results, natural attenuation of contaminants is occurring in the groundwater beneath the Site; however, contaminants remain above AWQS and therefore ICs and ECs should continue to be employed, including use of POET systems and restrictions on new potable wells. Based on the 2024 and 2025 monitoring and sampling results on and off-Site sampling and monitoring should continue into the 2026 monitoring period.
- Emerging contaminant laboratory analytical results from the June 2025 sampling indicated that 1,4-dioxane was not detected above laboratory MDLs in the samples collected from MW-3D and MW-8D. Several PFAS compounds were detected above laboratory MDLs in the groundwater samples collected from MW-3D and MW-8D. At this time, NYSDEC does not promulgate AWQS for PFAS compounds, however, new guidelines published by the NYSDEC (Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs, October 2021), indicate that if PFOA or PFOS are detected at or above 6.7 and 2.7 ppt in any groundwater sample, PFAS should be further assessed and considered a contaminant of concern. In addition, the USEPA has recently promulgated drinking water standards for certain PFAS compounds in water supply systems. The standards include the following: MCLs of 4 ppt for PFOA and PFOS individually, and an MCL/MCLG of 10 ppt for PFNA, PFHxS and GenX chemicals. HES will defer judgement to the NYSDEC regarding any additional emerging contaminant monitoring and sampling requirements at the Site.

- Based upon the 2025 and 2025 data, the RP should continue extracting groundwater from the Cleaner's water supply well at the rate initiated circa early 2025.
- Based on the 2024 and 2025 monitoring and sampling and O&M results, the requirements of the SMP should continue to be carried out into the 2025 and 2026 monitoring period.
- It is respectfully recommended that the sampling, analyses, and inspection of the Site's ECs and ICs continue on a semi-annual basis as included in the draft SMP. Accordingly, the PRR would be prepared following the second round of semi-annual monitoring and sampling in 2025/2026 and would continue on this schedule thereafter.

## TABLES

**TABLE 1**

**Former LaRussell's Cleaners Site  
406 Route 52 Lake Carmel, New York  
NYSDEC Site No. HW340020**

**Summary of Monitoring Well Construction Details  
and Depth to Water Data**

Well	Depth to Water (ftbg)	Location Relative to Site	Total Depth (ftbg)	Screen Interval (ftbg)	Elevation (Top of PVC)	Well Diameter (Inches)	Screened in Bedrock (Y/N)
	June 2025						
MW-3S	11.85	Crossgradient/West	13.90	3.9-13.9	654.4	2	N
MW-3D	7.95	Crossgradient/West	55.50	44.5-55.5	654.5	2	Y
MW-6	9.25	Downgradient/South	55.50	35.5-55.5	652.4	3	Y
MW-8D	1.53	Downgradient/South	23.50	13.5-23.5	632.9	2	Y

**NOTES:**

MW Monitoring well sampled for VOCs (EPA method 8260) and Emerging Contaminants (EPA methods 537 and 1, 4-Dioxane)

MW Monitoring well sampled for VOCs (EPA method 8260) only

NR = Depth to water not recorded to prevent potential PFAS contamination with interface tape

ftbg = Feet below grade

Table 2

Former LaRussell's Cleaners Site  
406 Route 52  
Lake Carmel, New York  
NYSDEC Site No. HW340020  
Summary of POET System Volatile Organic Compound Results  
August 2024

Sample ID York ID Client Matrix	NYSDEC AWQS	Salon Pre-Treatment 24H0452-08		Salon Midfluent 1 24H0452-10		Salon Midfluent 2 24H0452-11		Salon Effluent 24H0452-12		Cleaners Pre-Treatment 24H0452-13		Cleaners Midfluent 24H0452-15		Cleaners Effluent 24H0452-16	
		Drinking Water		Drinking Water		Drinking Water		Drinking Water		Drinking Water		Drinking Water		Drinking Water	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
VOA, 8260 LOW MASTER (ug/L)															
1,1,1,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethylene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichlorobenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichloropropane	0.04	2.0	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,4-Trichlorobenzene	5	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
1,2,4-Trimethylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dibromo-3-chloropropane	0.04	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dibromoethane	0.0006	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichlorobenzene	3	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	0.6	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3,5-Trimethylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-Dichlorobenzene	3	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-Dichloropropane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	3	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,4-Dioxane	0.35	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
2-Butanone	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
2-Hexanone	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
4-Methyl-2-pentanone	~	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Acetone	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Acrolein	~	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Acrylonitrile	~	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene	1	0.5	U	0.9	U	0.5	U	0.5	U	0.5	U	0.5	U	1.0	U
Bromochloromethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromodichloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromomethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon disulfide	~	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon tetrachloride	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroform	7	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloromethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,2-Dichloroethylene	5	7.5	U	0.5	U	0.5	U	0.5	U	1.6	U	0.5	U	0.5	U
cis-1,3-Dichloropropylene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cyclohexane	~	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromochloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromomethane	~	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dichlorodifluoromethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Ethyl Benzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Hexachlorobutadiene	0.5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Isopropylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl acetate	~	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl tert-butyl ether (MTBE)	10	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methylcyclohexane	~	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methylene chloride	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Naphthalene	10	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
n-Butylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
n-Propylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
o-Xylene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
p- & m- Xylenes	~	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
p-Diethylbenzene	~	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
p-Ethyltoluene	~	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
p-Isopropyltoluene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
sec-Butylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Styrene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
tert-Butyl alcohol (TBA)	~	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
tert-Butylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethylene	5	0.5	U	0.5	U	0.5	U	0.5	U	1.3	U	0.5	U	0.5	U

Table 2

Former LaRussell's Cleaners Site  
 406 Route 52  
 Lake Carmel, New York  
 NYSDEC Site No. HW340020  
 Summary of POET System Volatile Organic Compound Results  
 August 2024

Sample ID York ID Client Matrix	NYSDEC AWQS	Salon Pre-Treatment 24H0452-08 Drinking Water		Salon Midfluent 1 24H0452-10 Drinking Water		Salon Midfluent 2 24H0452-11 Drinking Water		Salon Effluent 24H0452-12 Drinking Water		Cleaners Pre-Treatment 24H0452-13 Drinking Water		Cleaners Midfluent 24H0452-15 Drinking Water		Cleaners Effluent 24H0452-16 Drinking Water	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Toluene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,2-Dichloroethylene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,3-Dichloropropylene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethylene	5	7.6	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Vinyl Chloride	2	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Xylenes, Total	5	1.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

~=this indicates that no regulatory limit has been established for this analyte

Italics = Laboratory method detection limit higher than NYSDEC AWQS

Table 3

Former LaRussell's Cleaners Site  
406 Route 52  
Lake Carmel, New York  
NYSDEC Site No. HW340020  
Summary of POET System Volatile Organic Compound Results  
June 2025

Sample ID	NYSDEC TOGS Standards and Guidance Values - GA	Salon Pre-Treatment		Salon Midfluent 1		Salon Midfluent 2		Salon Effluent		Cleaners Pre-Treatment		Cleaners Midfluent		Cleaners Effluent	
York ID		CT48047		CT48048		CT48049		CT48050		CT48051		CT48052		CT48053	
Client Matrix		Drinking Water		Drinking Water		Drinking Water		Drinking Water		Drinking Water		Drinking Water		Drinking Water	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
<b>VOA, 8260 LOW MASTER (ug/L)</b>															
1,1,1,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichlorotrifluoroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichlorobenzene	~	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichloropropane	0	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,4-Trichlorobenzene	~	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,4-Trimethylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichlorobenzene	~	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3,5-Trimethylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-Dichlorobenzene	3	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-Dichloropropane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	~	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
2,2-Dichloropropane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
2-Chlorotoluene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
4-Chlorotoluene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromobenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromochloromethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromodichloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromomethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon tetrachloride	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroform	7	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloromethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,2-Dichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	16.0	U	0.5	U	0.5	U
cis-1,3-Dichloropropene	0.4	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
Dibromochloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromomethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dichlorodifluoromethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Ethylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Hexachlorobutadiene	0.5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Isopropylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
m&p-Xylene	~	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl t-butyl ether (MTBE)	~	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methylene chloride	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
n-Butylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
n-Propylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Naphthalene	10	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
o-Xylene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
p-Isopropyltoluene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
sec-Butylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Styrene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
tert-Butylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethane	5	0.9	U	0.5	U	0.5	U	0.5	U	47.0	U	0.5	U	0.5	U
Toluene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Total 1,3-Dichloropropene	~	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
Total Trihalomethanes	~	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Total Xylenes	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,2-Dichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

Table 3

Former LaRussell's Cleaners Site  
 406 Route 52  
 Lake Carmel, New York  
 NYSDEC Site No. HW340020  
 Summary of POET System Volatile Organic Compound Results  
 June 2025

Sample ID	NYSDEC TOGS Standards and Guidance Values - GA	Salon Pre-Treatment		Salon Midfluent 1		Salon Midfluent 2		Salon Effluent		Cleaners Pre-Treatment		Cleaners Midfluent		Cleaners Effluent	
York ID		CT48047		CT48048		CT48049		CT48050		CT48051		CT48052		CT48053	
Client Matrix		Drinking Water		Drinking Water		Drinking Water		Drinking Water		Drinking Water		Drinking Water		Drinking Water	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
trans-1,3-Dichloropropene	0	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
Trichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	15.0	U	0.5	U	0.5	U
Trichlorofluoromethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Vinyl chloride	2	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

**NOTES:**

Any Regulatory Exceedences are color coded by Regulation

**Q is the Qualifier Column with definitions as follows:**

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

~=this indicates that no regulatory limit has been established for this analyte

Table 4

Former LaRussell's Cleaners Site  
406 Route 52  
Lake Carmel, New York  
NYSDEC Site No. HW340020  
Summary of Monitoring Well Organic Compound Results  
August 2024

Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values GA	MW-3S 24H0452-02 8/6/2024 Ground Water		MW-8D 24H0452-05 8/6/2024 Ground Water		MW-3D 24H0452-03 8/6/2024 Ground Water	
		Result	Q	Result	Q	Result	Q
		Compound					
<b>VOA, 8260 LOW MASTER (ug/L)</b>							
1,1,1,2-Tetrachloroethane	5	0.216	U	0.216	U	0.216	U
1,1,1-Trichloroethane	5	0.266	U	0.266	U	0.266	U
1,1,2,2-Tetrachloroethane	5	0.256	U	0.256	U	0.256	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	0.286	U	0.286	U	0.286	U
1,1,2-Trichloroethane	1	0.249	U	0.249	U	0.249	U
1,1-Dichloroethane	5	0.272	U	0.272	U	0.272	U
1,1-Dichloroethylene	5	0.327	U	0.327	U	0.327	U
1,2,3-Trichlorobenzene	5	0.222	U	0.222	U	0.222	U
1,2,3-Trichloropropane	0.04	0.273	U	0.273	U	0.273	U
1,2,4-Trichlorobenzene	5	0.138	U	0.138	U	0.138	U
1,2,4-Trimethylbenzene	5	0.31	U	0.31	U	0.31	U
1,2-Dibromo-3-chloropropane	0.04	0.432	U	0.432	U	0.432	U
1,2-Dibromoethane	0.0006	0.215	U	0.215	U	0.215	U
1,2-Dichlorobenzene	3	0.270	U	0.270	U	0.270	U
1,2-Dichloroethane	0.6	0.377	U	0.377	U	0.377	U
1,2-Dichloropropane	1	0.327	U	0.327	U	0.327	U
1,3,5-Trimethylbenzene	5	0.347	U	0.347	U	0.347	U
1,3-Dichlorobenzene	3	0.283	U	0.283	U	0.283	U
1,3-Dichloropropane	5	0.26	U	0.26	U	0.26	U
1,4-Dichlorobenzene	3	0.311	U	0.311	U	0.311	U
1,4-Dioxane	0.35	35.3	U	35.3	U	35.3	U
2-Butanone	50	0.421	U	0.421	U	0.421	U
2-Hexanone	50	0.32	U	0.32	U	0.32	U
4-Methyl-2-pentanone	~	0.365	U	0.365	U	0.365	U
Acetone	50	1.34	U	1.34	U	1.34	U
Acrolein	~	0.447	U	0.447	U	0.447	U
Acrylonitrile	~	0.422	U	0.422	U	0.422	U
Benzene	1	0.279	U	0.279	U	0.279	U
Bromochloromethane	5	0.354	U	0.354	U	0.354	U
Bromodichloromethane	50	0.245	U	0.245	U	0.245	U
Bromoform	50	0.163	U	0.163	U	0.163	U
Bromomethane	5	0.119	U	0.119	U	0.119	U
Carbon disulfide	~	0.362	U	0.362	U	0.362	U
Carbon tetrachloride	5	0.204	U	0.204	U	0.204	U
Chlorobenzene	5	0.284	U	0.284	U	0.284	U
Chloroethane	5	0.448	U	0.448	U	0.448	U
Chloroform	7	0.243	U	0.243	U	0.243	U
Chloromethane	5	0.372	U	0.372	U	0.372	U
cis-1,2-Dichloroethylene	5	1.020	U	0.294	U	19.7	U
cis-1,3-Dichloropropylene	0.4	0.262	U	0.262	U	0.262	U
Cyclohexane	~	0.491	U	0.491	U	0.491	U
Dibromochloromethane	50	0.146	U	0.146	U	0.146	U
Dibromomethane	~	0.203	U	0.203	U	0.203	U
Dichlorodifluoromethane	5	0.451	U	0.451	U	0.451	U
Ethyl Benzene	5	0.290	U	0.290	U	0.290	U
Hexachlorobutadiene	0.5	0.241	U	0.241	U	0.241	U
Isopropylbenzene	5	0.405	U	0.405	U	0.405	U
Methyl acetate	~	0.442	U	0.442	U	0.442	U
Methyl tert-butyl ether (MTBE)	10	0.244	U	0.244	U	0.244	U
Methylcyclohexane	~	0.477	U	0.477	U	0.477	U
Methylene chloride	5	0.397	U	0.397	U	0.397	U
Naphthalene	10	2.450	B	0.730	J	2.120	B
n-Butylbenzene	5	0.399	U	0.399	U	0.399	U
n-Propylbenzene	5	0.384	U	0.384	U	0.384	U

Table 4

Former LaRussell's Cleaners Site  
406 Route 52  
Lake Carmel, New York  
NYSDEC Site No. HW340020  
Summary of Monitoring Well Organic Compound Results  
August 2024

Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values GA	MW-3S 24H0452-02 8/6/2024 Ground Water		MW-8D 24H0452-05 8/6/2024 Ground Water		MW-3D 24H0452-03 8/6/2024 Ground Water	
		Result	Q	Result	Q	Result	Q
o-Xylene	5	0.261	U	0.261	U	0.261	U
p- & m- Xylenes	~	0.578	U	0.578	U	0.578	U
p-Diethylbenzene	~	0.341	U	0.341	U	0.341	U
p-Ethyltoluene	~	0.200	U	0.200	U	0.200	U
p-Isopropyltoluene	5	0.377	U	0.377	U	0.377	U
sec-Butylbenzene	5	0.444	U	0.444	U	0.444	U
Styrene	5	0.255	U	0.255	U	0.255	U
tert-Butyl alcohol (TBA)	~	0.608	U	0.608	U	0.608	U
tert-Butylbenzene	5	0.367	U	0.367	U	0.367	U
Tetrachloroethylene	5	11.2		0.720		44.7	
Toluene	5	0.346	U	0.346	U	0.346	U
trans-1,2-Dichloroethylene	~	0.279	U	0.279	U	0.290	U
trans-1,3-Dichloropropylene	0.4	0.229	U	0.229	U	0.229	U
Trichloroethylene	5	4.170		0.249	U	18.9	
Trichlorofluoromethane	5	0.337	U	0.337	U	0.337	U
Vinyl Chloride	2	0.469	U	0.469	U	0.469	U
Xylenes, Total	5	0.839	U	0.839	U	0.839	U

**NOTES:**

Any Regulatory Exceedences are color coded by Regulation

**Q is the Qualifier Column with definitions as follows:**

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

NT=this indicates the analyte was not a target for this sample

~=this indicates that no regulatory limit has been established for this analyte

Italics = indicated laboratory method detection limit is higher than NYDEC AWQS

Table 5

Former LaRussell's Cleaners Site  
406 Route 52  
Lake Carmel, New York  
NYSDEC Site No. HW340020  
Summary of Monitoring Well Organic Compound Results  
June 2025

Sample ID	NYSDEC TOGS Standards and Guidance Values GA	MW-3S CT48057 6/5/2025 Ground Water		MW-3D CT48058 6/5/2025 Ground Water		MW-6 CT48059 6/5/2025 Ground Water		MW-8D CT48061 6/5/2025 Ground Water	
York ID		Result	Q	Result	Q	Result	Q	Result	Q
Sampling Date									
Client Matrix									
Compound									
<b>VOA, 8260 LOW MASTER (ug/L)</b>									
1,1,1,2-Tetrachloroethane	5	1.0	U	1.0	U	1.0	U	1.0	U
1,1,1-Trichloroethane	5	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethane	5	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethene	5	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloropropene	5	1.0	U	1.0	U	1.0	U	1.0	U
1,2,3-Trichlorobenzene	~	1.0	U	1.0	U	1.0	U	1.0	U
1,2,3-Trichloropropane	0.04	1.0	U	1.0	U	1.0	U	1.0	U
1,2,4-Trichlorobenzene	~	1.0	U	1.0	U	1.0	U	1.0	U
1,2,4-Trimethylbenzene	5	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromo-3-chloropropane	0.04	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromoethane	0.0006	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichlorobenzene	~	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloroethane	0.6	0.6	U	0.6	U	0.6	U	0.6	U
1,2-Dichloropropane	1	1.0	U	1.0	U	1.0	U	1.0	U
1,3,5-Trimethylbenzene	5	1.0	U	1.0	U	1.0	U	1.0	U
1,3-Dichlorobenzene	3	1.0	U	1.0	U	1.0	U	1.0	U
1,3-Dichloropropane	5	1.0	U	1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	~	1.0	U	1.0	U	1.0	U	1.0	U
2,2-Dichloropropane	5	1.0	U	1.0	U	1.0	U	1.0	U
2-Chlorotoluene	5	1.0	U	1.0	U	1.0	U	1.0	U
2-Hexanone	50	5.0	U	5.0	U	5.0	U	5.0	U
2-Isopropyltoluene	5	1.0	U	1.0	U	1.0	U	1.0	U
4-Chlorotoluene	5	1.0	U	1.0	U	1.0	U	1.0	U
4-Methyl-2-pentanone	~	5.0	U	5.0	U	5.0	U	5.0	U
Acetone	50	25.0	U	25.0	U	25.0	U	25.0	U
Acrylonitrile	5	1.0	U	1.0	U	1.0	U	1.0	U
Benzene	1	0.7	U	0.7	U	0.7	U	0.7	U
Bromobenzene	5	1.0	U	1.0	U	1.0	U	1.0	U
Bromochloromethane	5	1.0	U	1.0	U	1.0	U	1.0	U
Bromodichloromethane	50	0.5	U	0.5	U	0.5	U	7.4	U
Bromoform	50	1.0	U	1.0	U	1.0	U	1.0	U
Bromomethane	5	1.0	U	1.0	U	1.0	U	1.0	U
Carbon Disulfide	~	5.0	U	5.0	U	5.0	U	5.0	U
Carbon tetrachloride	5	1.0	U	1.0	U	1.0	U	1.0	U
Chlorobenzene	5	1.0	U	1.0	U	1.0	U	1.0	U
Chloroethane	5	1.0	U	1.0	U	1.0	U	1.0	U
Chloroform	7	1.0	U	1.0	U	1.0	U	14.0	U
Chloromethane	5	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,2-Dichloroethene	5	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,3-Dichloropropene	0	0.4	U	0.4	U	0.4	U	0.4	U
Dibromochloromethane	50	0.5	U	0.5	U	0.5	U	3.0	U
Dibromomethane	5	1.0	U	1.0	U	1.0	U	1.0	U
Dichlorodifluoromethane	5	1.0	U	1.0	U	1.0	U	1.0	U
Ethylbenzene	5	1.0	U	1.0	U	1.0	U	1.0	U
Hexachlorobutadiene	1	0.4	U	0.4	U	0.4	U	0.4	U
Isopropylbenzene	5	1.0	U	1.0	U	1.0	U	1.0	U
m&p-Xylene	~	1.0	U	1.0	U	1.0	U	1.0	U
Methyl ethyl ketone	50	5.0	U	5.0	U	5.0	U	5.0	U
Methyl t-butyl ether (MTBE)	~	1.0	U	1.0	U	1.0	U	1.0	U
Methylene chloride	5	1.0	U	1.0	U	1.0	U	1.0	U
n-Butylbenzene	5	1.0	U	1.0	U	1.0	U	1.0	U
n-Propylbenzene	5	1.0	U	1.0	U	1.0	U	1.0	U

Table 5

Former LaRussell's Cleaners Site  
406 Route 52  
Lake Carmel, New York  
NYSDEC Site No. HW340020  
Summary of Monitoring Well Organic Compound Results  
June 2025

Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values GA	MW-3S CT48057 6/5/2025 Ground Water		MW-3D CT48058 6/5/2025 Ground Water		MW-6 CT48059 6/5/2025 Ground Water		MW-8D CT48061 6/5/2025 Ground Water	
Compound		Result	Q	Result	Q	Result	Q	Result	Q
Naphthalene	10	1.0	U	1.0	U	1.0	U	1.0	U
o-Xylene	5	1.0	U	1.0	U	1.0	U	1.0	U
p-Isopropyltoluene	5	1.0	U	1.0	U	1.0	U	1.0	U
sec-Butylbenzene	5	1.0	U	1.0	U	1.0	U	1.0	U
Styrene	5	1.0	U	1.0	U	1.0	U	1.0	U
tert-Butylbenzene	5	1.0	U	1.0	U	1.0	U	1.0	U
Tetrachloroethene	5	1.1		1.2		1.0	U	1.0	U
Tetrahydrofuran (THF)	50	2.5	U	2.5	U	2.5	U	2.5	U
Toluene	5	1.0	U	1.0	U	1.0	U	1.0	U
Total Xylenes	5	1.0	U	1.0	U	1.0	U	1.0	
trans-1,2-Dichloroethene	5	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	0	0.4	U	0.4	U	0.4	U	0.4	U
trans-1,4-dichloro-2-butene	5	5.0	U	5.0	U	5.0	U	5.0	U
Trichloroethene	5	1.0	U	1.0	U	1.0	U	1.0	U
Trichlorofluoromethane	5	1.0	U	1.0	U	1.0	U	1.0	U
Trichlorotrifluoroethane	5	1.0	U	1.0	U	1.0	U	1.0	U
Vinyl chloride	2	1.0	U	1.0	U	1.0	U	1.0	U

**NOTES:**

Any Regulatory Exceedences are color coded by Regulation

**Q is the Qualifier Column with definitions as follows:**

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

NT=this indicates the analyte was not a target for this sample

~=this indicates that no regulatory limit has been established for this analyte

Italics = Results in italics had laboratory method detection limits above NYSDEC AWQS

Table 6

Former LaRussell's Cleaners Site  
406 Route 52  
Lake Carmel, New York  
NYSDEC Site No. HW340020  
Summary of Monitoring Well and POET System Emerging Contaminant Results  
June 2025

Sample ID York ID Sampling Date Client Matrix	NYDEC Part 375 PFAS Remedial Program Water Oct 2020	MW-3S CT48057 6/5/2025 Groundwater		MW-3D CT48058 6/5/2025 Groundwater		MW-6 CT48059 6/5/2025 Groundwater		MW-8D CT48061 6/5/2025 Groundwater		Sample ID York ID Sampling Date Client Matrix	NYDEC Part 375 PFAS Remedial Program Water Oct 2020	Former Cleaners Pre Treatment CT48051 6/5/2025 Drinking Water		Salon Pre-Treatment CT48047 6/5/2025 Drinking Water	
		Result	Q	Result	Q	Result	Q	Result	Q			Result	Q	Result	Q
Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous (ug/L)										1,4-Dioxane by GC/MS/SIM EPA 522 (ug/L)					
1,4-Dioxane	~	NT	< 0.30	U	NT	< 0.20	U	1,4-Dioxane	~	0.200	U	0.200	U		
PFAS by EPA 537 m (ng/L)										PFAS, EPA 537.1 List (ng/L)					
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	100	NT	<7.09	U	NT	< 7.06	U	11CI-PF3OUdS	100	< 1.96	U	< 1.96	U		
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	100	NT	<6.93	U	NT	< 6.90	U	9CI-PF3ONS	100	< 1.96	U	< 1.96	U		
N-EtFOSAA	100	NT	<1.85	U	NT	< 1.84	U	ADONA	100	< 1.96	U	< 1.96	U		
N-MeFOSAA	100	NT	< 1.85	U	NT	< 1.84	U	HFPO-DA	100	< 1.96	U	< 1.96	U		
Perfluoro-1-decanesulfonic acid (PFDS)	100	NT	< 1.78	U	NT	< 1.77	U	NEtFOSAA	100	< 1.96	U	< 1.96	U		
Perfluoro-1-heptanesulfonic acid (PFHpS)	100	NT	< 1.76	U	NT	< 1.76	U	NMeFOSAA	100	< 1.96	U	< 1.96	U		
Perfluoro-1-octanesulfonamide (FOSA)	100	NT	< 1.85	U	NT	< 1.84	U	Perfluorobutanesulfonic acid (PFBS)	100	41.500		15.600			
Perfluorobutanesulfonic acid (PFBS)	100	NT	4.110	U	NT	1.130	U	Perfluorodecanoic acid (PFDA)	10	< 1.96	U	< 1.96	U		
Perfluorodecanoic acid (PFDA)	100	NT	< 1.85	U	NT	< 1.84	U	Perfluorododecanoic acid (PFDoA)	100	< 1.96	U	< 1.96	U		
Perfluorododecanoic acid (PFDoA)	100	NT	< 1.85	U	NT	< 1.84	U	Perfluoroheptanoic acid (PFHpA)	10	5.180		4.360			
Perfluoroheptanoic acid (PFHpA)	100	NT	1.230	U	NT	1.160	U	Perfluorohexanesulfonic acid (PFHxS)	10	3.240		2.310			
Perfluorohexanesulfonic acid (PFHxS)	100	NT	4.150	U	NT	0.845	U	Perfluorohexanoic acid (PFHxA)	100	23.800		10.500			
Perfluorohexanoic acid (PFHxA)	100	NT	4.180	U	NT	2.160	U	Perfluorononanoic acid (PFNA)	10	< 1.96	U	< 1.96	U		
Perfluoro-n-butanoic acid (PFBA)	100	NT	2.720	U	NT	< 7.36	U	Perfluorooctanesulfonic acid (PFOS)	2.7	17.0		15.1			
Perfluorononanoic acid (PFNA)	100	NT	< 1.85	U	NT	< 1.84	U	Perfluorooctanoic acid (PFOA)	6.7	13.8		12.9			
Perfluorooctanesulfonic acid (PFOS)	2.7	NT	1.780	U	NT	< 1.71	U	Perfluorotetradecanoic acid (PFTA)	100	< 1.96	U	< 1.96	U		
Perfluorooctanoic acid (PFOA)	6.7	NT	4.300	U	NT	2.310	U	Perfluorotridecanoic acid (PFTrDA)	100	< 1.96	U	< 1.96	U		
Perfluoropentanoic acid (PFPeA)	100	NT	3.160	U	NT	2.390	U	Perfluoroundecanoic acid (PFUnA)	100	< 1.96	U	< 1.96	U		
Perfluorotetradecanoic acid (PFTA)	100	NT	< 1.85	U	NT	< 1.84	U								
Perfluorotridecanoic acid (PFTrDA)	100	NT	< 1.85	U	NT	< 1.84	U								
Perfluoroundecanoic acid (PFUnA)	100	NT	< 1.85	U	NT	< 1.84	U								

## NOTES:

Any Regulatory Exceedences are color coded by Regulation

## Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

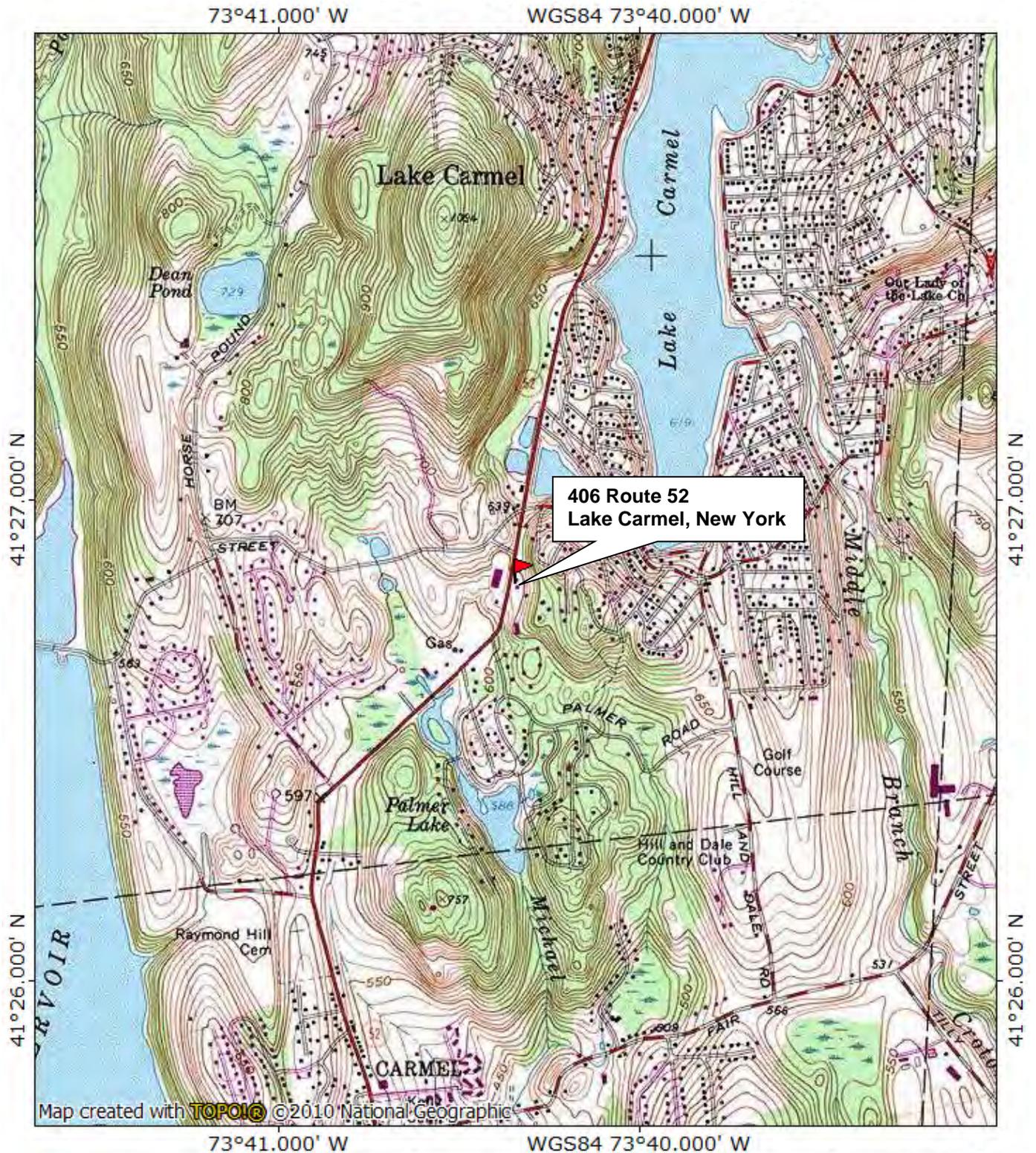
B=analyte found in the analysis batch blank

NT=this indicates the analyte was not a target for this sample

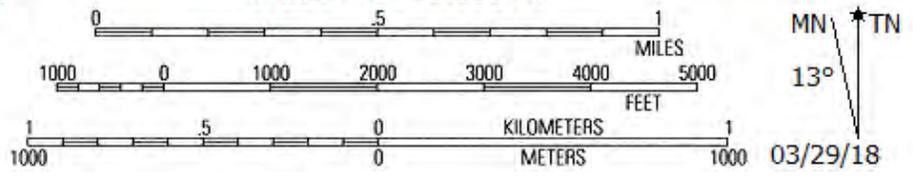
~this indicates that no regulatory limit has been established for this analyte

## FIGURES

**FIGURE 1**  
**Site Location Map**



Map created with **TOPOI** © 2010 National Geographic



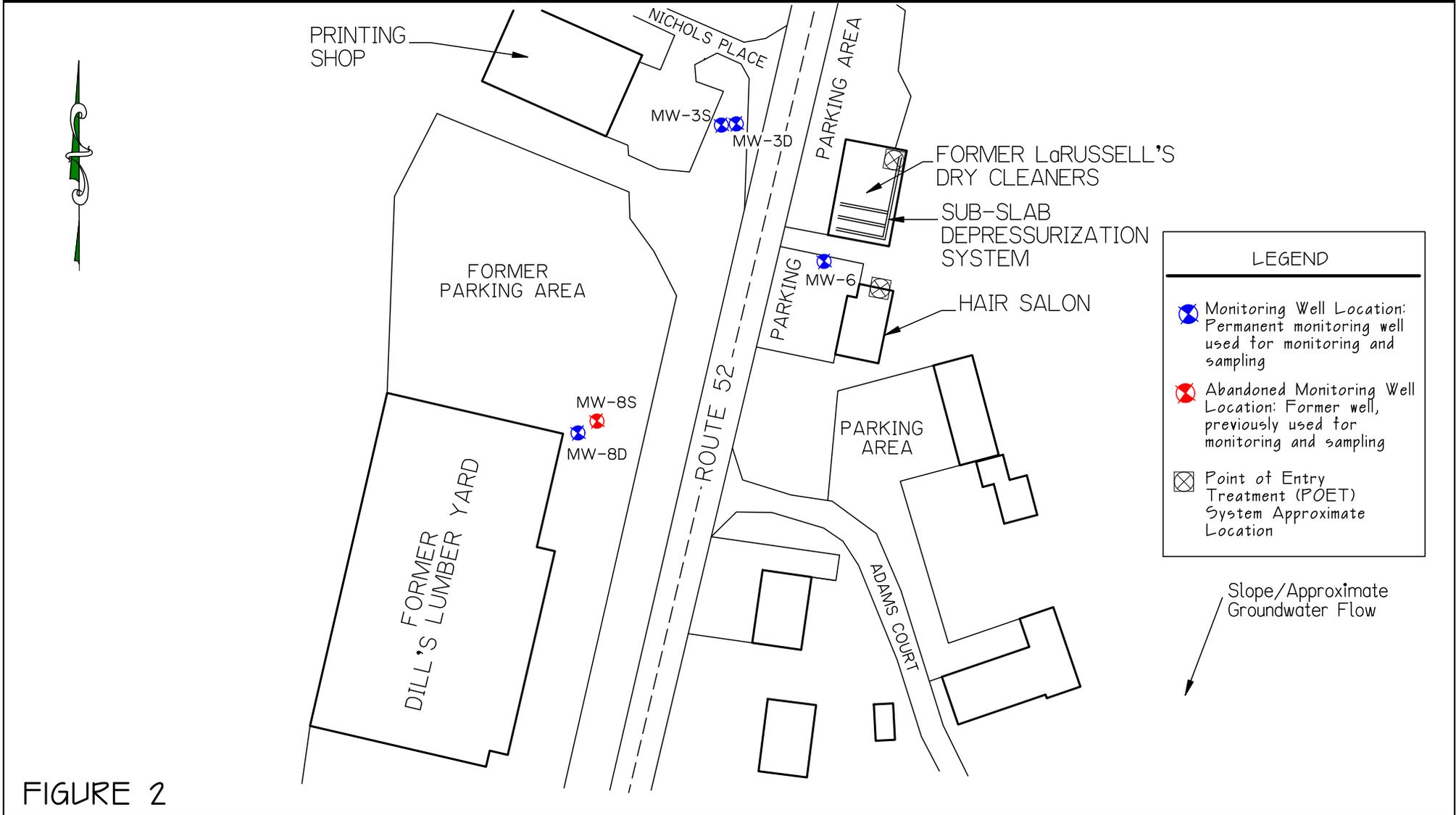


FIGURE 2

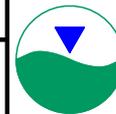
LARUSSELL'S CLEANERS SITE  
 406 ROUTE 52  
 LAKE CARMEL, NEW YORK  
 NYSDEC SITE NO. 340020

GENERALIZED  
 SITE PLAN

0 25' 50'

May 2024

MONITORING WELL  
 & ENGINEERING CONTROL  
 LOCATIONS

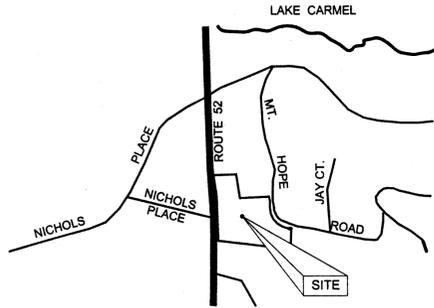


**HydroEnvironmental**  
 SOLUTIONS, INC.  
 Two Center Street  
 Croton Falls, New York 10519

## APPENDICES

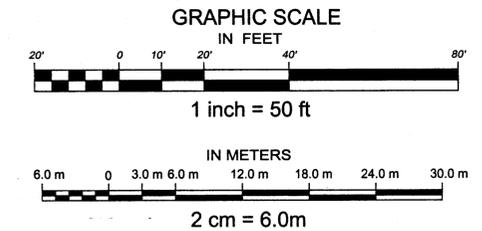
**APPENDIX A:**

**Environmental Easement Survey**



**SURVEY OF PROPERTY**  
 SITUATE IN THE  
**TOWN OF KENT**  
 PUTNAM COUNTY  
 NEW YORK  
 DEC Site No. 340020

SCALE : 1" = 20'  
 SURVEYED : OCTOBER 12, 2013



**Description of Site Area**  
 ALL THAT CERTAIN PLOT, PIECE OR PARCEL OF LAND, WITH THE BUILDINGS AND IMPROVEMENTS THEREON ERECTED, SITUATE LYING AND BEING IN THE TOWN OF KENT, COUNTY OF PUTNAM, STATE OF NEW YORK, BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE EASTERLY SIDE OF ROUTE 52 WHERE THE SAME IS INTERSECTED BY THE DIVISION LINE BETWEEN LOT 15340 AS SHOWN ON "FOURTEEN MAP OF LAKE CARMEL," DATED AUG. 18, 1930 AS FILED MAP No. 130-L AND LAND NOW OR FORMERLY HALL;

THENCE RUNNING ALONG THE EASTERLY SIDE OF ROUTE 52 AS SHOWN ON FILED MAP No. 130-L NORTH 22°21'20" EAST 176.00 FEET AND NORTH 15°01'10" EAST 58.59 FEET TO THE DIVISION LINE BETWEEN LOT 15351 AND LOT 15352 THENCE ALONG SAID DIVISION LINE SOUTH 74°59'00" EAST 100.00 FEET TO THE DIVISION LINE BETWEEN LOT 15351 AND 15397 OF SAID FILED MAP;

THENCE RUNNING ALONG SAID DIVISION LINE AND ALONG THE DIVISION LINE BETWEEN LOT 15350 AND 15349 ON THE WEST AND LOTS 15398, 15399 ON THE EAST SOUTH 15°01'10" WEST 83.92 FEET TO THE DIVISION LINE BETWEEN LOT 15399 AND 15400;

THENCE ALONG SAID DIVISION LINE SOUTH 76°58'20" EAST 80.12 FEET TO THE WESTERLY SIDE OF MOUNT HOPE ROAD;  
 THENCE SOUTHERLY ALONG THE WESTERLY SIDE OF MT. HOPE ROAD ALONG A CURVE TO THE LEFT HAVING A RADIUS OF 75.117' LENGTH 2.75 FEET TO A POINT OF TANGENCY AND SOUTH 13°01'40" WEST 37.255 FEET TO THE A POINT OF CURVE;

THENCE CONTINUING ALONG THE SOUTHWESTERLY SIDE OF MT. HOPE ON A CURVE TO THE LEFT HAVING A RADIUS OF 100.00 FEET LENGTH 127.41 FEET TO A POINT OF TANGENCY AND SOUTH 59°58'20" EAST 20.00 FEET TO THE DIVISION LINE BETWEEN LOT 15411 AND 15412;

THENCE ALONG SAID DIVISION LINE SOUTH 30°01'40" WEST 64.11 FEET TO THE DIVISION LINE BETWEEN LOT 15411 AND LAND NOW OR FORMERLY VACIRA;

THENCE RUNNING ALONG LAND NOW OR FORMERLY VACIRA ON THE SOUTH AND LOTS 15411, 15410, 15408, 15407, 15406, NORTH 89°14'50" WEST 182.03 FEET TO A CROSSCUT ON THE DIVISION LINE BETWEEN LAND NOW OR FORMERLY HALL ON THE SOUTH AND LOT 15340 ON THE NORTH;

THENCE RUNNING ALONG SAID DIVISION LINE SOUTH 69°14'50" WEST 100.04 FEET TO THE POINT AND PLACE OF BEGINNING

CONTAINING 1.1131 ACRES / 48,218 Sq. Ft.

**ENVIRONMENTAL EASEMENT AREA**  
 ALL THAT CERTAIN PLOT, PIECE OR PARCEL OF LAND, WITH THE BUILDINGS AND IMPROVEMENTS THEREON ERECTED, SITUATE LYING AND BEING IN THE TOWN OF KENT, COUNTY OF PUTNAM, STATE OF NEW YORK, BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE EASTERLY SIDE OF ROUTE 52 WHERE THE SAME IS INTERSECTED BY THE DIVISION LINE BETWEEN LOT 15340 AS SHOWN ON "FOURTEEN MAP OF LAKE CARMEL," DATED AUG. 18, 1930 AS FILED MAP No. 130-L AND LAND NOW OR FORMERLY HALL;

THENCE RUNNING ALONG THE EASTERLY SIDE OF ROUTE 52 AS SHOWN ON FILED MAP No. 130-L NORTH 22°21'20" EAST 176.00 FEET AND NORTH 15°01'10" EAST 58.59 FEET TO THE DIVISION LINE BETWEEN LOT 15351 AND LOT 15352 THENCE ALONG SAID DIVISION LINE SOUTH 74°59'00" EAST 100.00 FEET TO THE DIVISION LINE BETWEEN LOT 15351 AND 15397 OF SAID FILED MAP;

THENCE RUNNING ALONG SAID DIVISION LINE AND ALONG THE DIVISION LINE BETWEEN LOT 15350 AND 15349 ON THE WEST AND LOTS 15398, 15399 ON THE EAST SOUTH 15°01'10" WEST 85.00 FEET TO A POINT ON THE DIVISION LINE BETWEEN LOT 15349 AND 15348;

THENCE ALONG THE DIVISION LINES BETWEEN LOT 15400 THRU 15406 ON THE EAST AND 1534 THRU 15340 ON THE WEST SOUTH 22°21'20" EAST 179.82 FEET TO A CROSSCUT AND BEING THE DIVISION LINE BETWEEN LOT 15340 ON THE NORTH AND LAND NOW OR FORMERLY HALL ON THE SOUTH

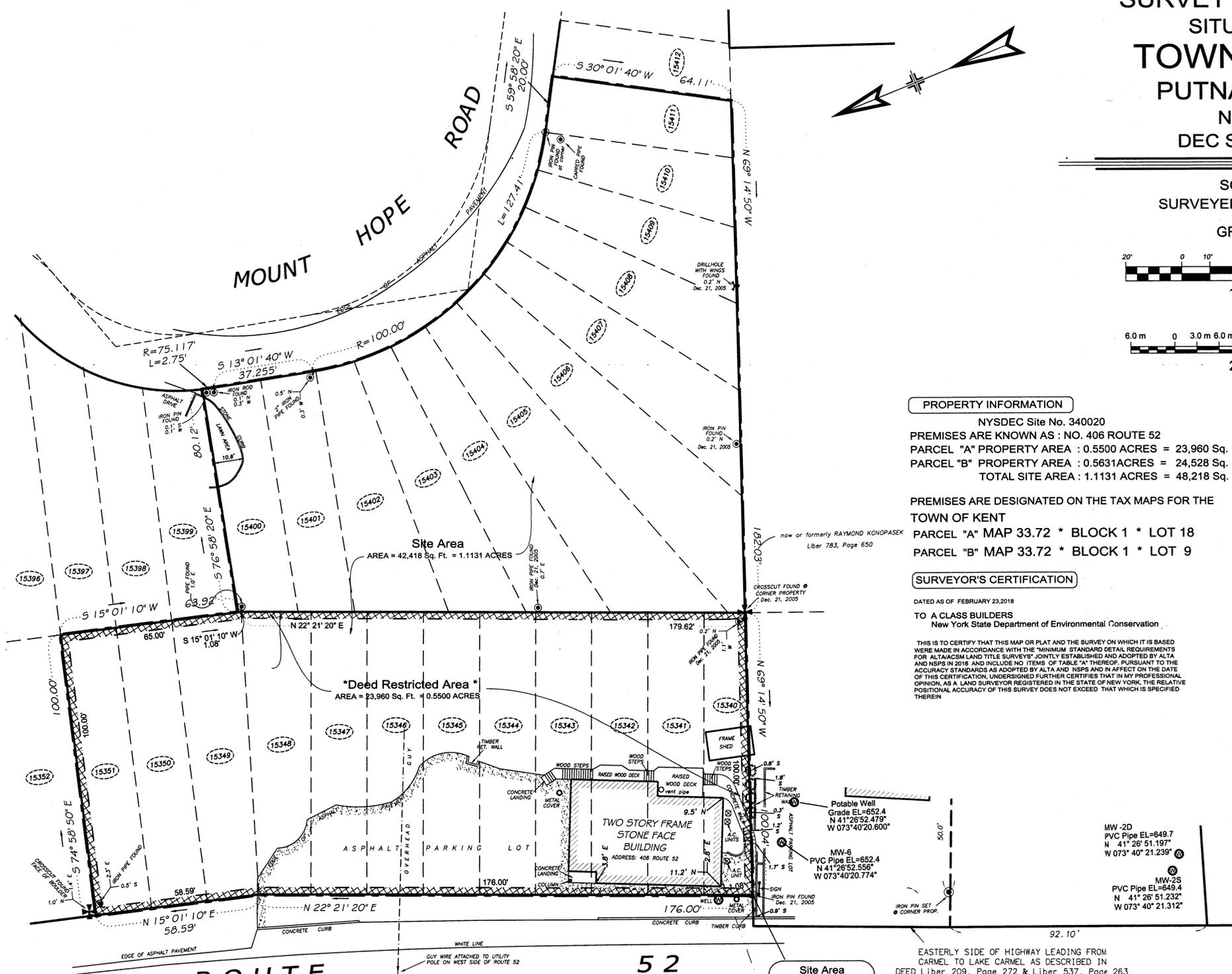
THENCE RUNNING ALONG SAID DIVISION LINE SOUTH 69°14'50" WEST 100.04 FEET TO THE POINT AND PLACE OF BEGINNING

CONTAINING 0.5500 ACRES / 23,960 Sq. Ft.



**THE ENGINEERING AND INSTITUTIONAL CONTROLS NOTE:**  
 THIS PROPERTY IS SUBJECT TO AN ENVIRONMENTAL EASEMENT HELD BY NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION PURSUANT TO TITLE 36 OF ARTICAL 71 OF THE NEW YORK ENVIRONMENTAL CONSERVATION LAW. THE ENGINEERING AND INSTITUTIONAL CONTROLS FOR THIS EASEMENT AREA ARE SET FORTH IN THE SITE MANAGEMENT PLAN (SMP). A COPY OF THE SMP MUST BE OBTAINED BY ANY PARTY WITH AN INTEREST IN THE PROPERTY. THE SMP CAN BE OBTAINED FROM THE NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION, DIVISION OF ENVIRONMENTAL REMEDIATION, SITE CONTROL SECTION, 625 BROADWAY, ALBANY, NY 12233 OR AT derweb@gw.dec.state.ny.us.

**RESTRICTED AREA ACCESS**  
 THE DEC OR THEIR AGENT MAY ACCESS THE RESTRICTED AREA AS SHOWN HEREON THROUGH ANY EXISTING STREET ACCESS OR BUILDING INGRESS / EGRESS ACCESS POINT.



**PROPERTY INFORMATION**  
 NYSDEC Site No. 340020  
 PREMISES ARE KNOWN AS : NO. 406 ROUTE 52  
 PARCEL "A" PROPERTY AREA : 0.5500 ACRES = 23,960 Sq. Ft.  
 PARCEL "B" PROPERTY AREA : 0.5631 ACRES = 24,528 Sq. Ft.  
 TOTAL SITE AREA : 1.1131 ACRES = 48,218 Sq. Ft.

PREMISES ARE DESIGNATED ON THE TAX MAPS FOR THE TOWN OF KENT  
 PARCEL "A" MAP 33.72 \* BLOCK 1 \* LOT 18  
 PARCEL "B" MAP 33.72 \* BLOCK 1 \* LOT 9

**SURVEYOR'S CERTIFICATION**  
 DATED AS OF FEBRUARY 23, 2018  
 TO A CLASS BUILDERS  
 New York State Department of Environmental Conservation

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE "MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS" JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS IN 2018 AND INCLUDE NO ITEMS OF TABLE "A" THEREOF, PURSUANT TO THE ACCURACY STANDARDS AS ADOPTED BY ALTA AND NSPS AND IN AFFECT ON THE DATE OF THIS CERTIFICATION, UNDERSIGNED FURTHER CERTIFIES THAT IN MY PROFESSIONAL OPINION, AS A LAND SURVEYOR REGISTERED IN THE STATE OF NEW YORK, THE RELATIVE POSITIONAL ACCURACY OF THIS SURVEY DOES NOT EXCEED THAT WHICH IS SPECIFIED THEREIN

- SURVEYORS NOTES:**
- PARCEL "A" THE PREMISES SHOWN HEREON DESIGNATED AS LOTS 15340, 15341, 15342, 15343, 15344, 15345, 15346, 15347, 15348, 15349, 15350 & 15351 AS SHOWN ON A CERTAIN MAP ENTITLED "FOURTEEN MAP OF LAKE CARMEL" FILED IN THE PUTNAM COUNTY CLERK'S OFFICE ON AUGUST 18, 1930 AS FILED MAP No. 130-L.
  - PARCEL "B" THE PREMISES SHOWN HEREON DESIGNATED AS LOTS 15400, 15401, 15402, 15403, 15404, 15405, 15406, 15407, 15408, 15409, 15410 & 15411 AS SHOWN ON A CERTAIN MAP ENTITLED "FOURTEEN MAP OF LAKE CARMEL" FILED IN THE PUTNAM COUNTY CLERK'S OFFICE ON AUGUST 18, 1930 AS FILED MAP No. 130-L.
  - SURVEY IS SUBJECT TO ANY STATE OF FACTS WHICH AN UP-TO-DATE TITLE EXAMINATION MAY DISCLOSE.
  - ENCROACHMENTS BELOW GRADE AND/OR SUBSURFACE FEATURES, IF ANY, NOT LOCATED OR SHOWN HEREON.
  - THE OFFSETS SHOWN ARE FOR INFORMATIONAL PURPOSE ONLY. THEY ARE NOT INTENDED TO ESTABLISH PROPERTY LINES FOR THE ERECTION OF FENCES, STRUCTURES OR ANY OTHER IMPROVEMENT.
  - THE SURVEY SHOWN HEREON WAS PREPARED FROM AN ACTUAL FIELD SURVEY CONDUCTED ON THE DATE SHOWN AND THAT SAID SURVEY WAS PERFORMED IN ACCORDANCE WITH THE EXISTING "CODE OF PRACTICE FOR LAND SURVEYS" ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS.
  - UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAWS.
  - ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S SEAL SHALL BE CONSIDERED TO BE TRUE VALID COPIES.

**Link Land Surveyors P.C.**  
 21 Clark Place Suite 1B  
 Mahopac N.Y. 10541  
 Phone: 845-672-5857  
 Fax: 845-672-0638  
 LICENSED LAND SURVEYOR  
 NEW YORK STATE LICENSED LAND SURVEYOR NO. 050456

- MW-3D PVC Pipe EL=654.5 N 41° 26' 53.398" W 073° 40' 21.633"
- MW-3S PVC Pipe EL=654.4 N 41° 26' 53.413" W 073° 40' 21.701"
- MW-7D Steel Casing EL=647.2 N 41° 26' 53.262" W 073° 40' 24.404"
- MW-7S Steel Casing EL=646.2 N 41° 26' 53.206" W 073° 40' 24.475"
- MW-8D PVC Pipe EL=632.9 N 41° 26' 51.490" W 073° 40' 23.235"
- MW-9D PVC Pipe EL=642.8 N 41° 26' 52.019" W 073° 40' 24.609"
- MW-2D PVC Pipe EL=649.7 N 41° 26' 51.197" W 073° 40' 21.239"
- MW-2S PVC Pipe EL=652.4 N 41° 26' 52.559" W 073° 40' 21.312"
- MW-4D PVC Pipe EL=633.3 N 41° 26' 47.951" W 073° 40' 23.470"
- MW-4S PVC Pipe EL=632.9 N 41° 26' 47.907" W 073° 40' 23.494"

**APPENDIX B:**

**Laboratory Analytical Reports for POET System  
and Groundwater Sampling (2023)**



# Technical Report

prepared for:

## **Hydro Environmental Solutions**

2 Center Street

Croton Falls NY, 10519

**Attention: Patti Clause**

Report Date: 08/27/2024

**Client Project ID: 406 Route 52 Carmel, New York**

York Project (SDG) No.: 24H0452

Stratford, CT Laboratory IDs:  
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723



Richmond Hill, NY Laboratory IDs:  
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,  
EPA: NY01600

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371



132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

**Hydro Environmental Solutions**

2 Center Street  
Croton Falls NY, 10519  
Attention: Patti Clause

---

**Purpose and Results**

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 07, 2024 and listed below. The project was identified as your project: **406 Route 52 Carmel, New York.**

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24H0452-01	Trip Blank	Water	08/07/2024	08/07/2024
24H0452-02	MW-3S	Ground Water	08/06/2024	08/07/2024
24H0452-03	MW-3D	Ground Water	08/06/2024	08/07/2024
24H0452-04	MW-3D Field Blank	Ground Water	08/06/2024	08/07/2024
24H0452-05	MW-8D	Ground Water	08/06/2024	08/07/2024
24H0452-06	MW-8D Field Blank	Ground Water	08/06/2024	08/07/2024
24H0452-07	Dup-01	Ground Water	08/07/2024	08/07/2024
24H0452-08	Salon Pretreatment	Drinking Water	08/06/2024	08/07/2024
24H0452-09	Salon Pretreatment (Field Blank)	Drinking Water	08/06/2024	08/07/2024
24H0452-10	Salon Midfluent 1	Drinking Water	08/06/2024	08/07/2024
24H0452-11	Salon Midfluent 2	Drinking Water	08/06/2024	08/07/2024
24H0452-12	Salon Effluent	Drinking Water	08/06/2024	08/07/2024
24H0452-13	Cleaners Pretreatment	Drinking Water	08/06/2024	08/07/2024
24H0452-14	Cleaners Pretreatment (Field Blank)	Drinking Water	08/06/2024	08/07/2024
24H0452-15	Cleaners Midfluent	Drinking Water	08/06/2024	08/07/2024
24H0452-16	Cleaners Effluent	Drinking Water	08/06/2024	08/07/2024

## **General Notes for York Project (SDG) No.: 24H0452**

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

**Approved By:**



Cassie L. Mosher  
Laboratory Manager

**Date:** 08/27/2024





### Sample Information

**Client Sample ID:** Trip Blank

**York Sample ID:** 24H0452-01

<u>York Project (SDG) No.</u> 24H0452	<u>Client Project ID</u> 406 Route 52 Carmel, New York	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 7, 2024 11:00 am	<u>Date Received</u> 08/07/2024
--	---	------------------------	--	------------------------------------

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
87-61-6	1,2,3-Trichlorobenzene	ND	CCVE	ug/L	0.222	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/08/2024 07:30	08/08/2024 17:22	SCB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/08/2024 07:30	08/08/2024 17:22	SCB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/08/2024 07:30	08/08/2024 17:22	SCB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
96-12-8	1,2-Dibromo-3-chloropropane	ND	CCVE	ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/08/2024 07:30	08/08/2024 17:22	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/08/2024 07:30	08/08/2024 17:22	SCB
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24H0452-01

York Project (SDG) No. 24H0452

Client Project ID 406 Route 52 Carmel, New York

Matrix Water

Collection Date/Time August 7, 2024 11:00 am

Date Received 08/07/2024

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various chemical compounds like 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrolein, Acrylonitrile, Benzene, Bromochloromethane, Bromodichloromethane, Bromoform, Bromomethane, Carbon disulfide, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloromethane, cis-1,2-Dichloroethylene, cis-1,3-Dichloropropylene, Cyclohexane, Dibromochloromethane, Dibromomethane, Dichlorodifluoromethane, Ethyl Benzene.



### Sample Information

**Client Sample ID:** Trip Blank

**York Sample ID:** 24H0452-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Water

August 7, 2024 11:00 am

08/07/2024

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/08/2024 07:30	08/08/2024 17:22	SCB
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/08/2024 07:30	08/08/2024 17:22	SCB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/08/2024 07:30	08/08/2024 17:22	SCB
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
91-20-3	Naphthalene	ND	CCVE	ug/L	0.212	2.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/08/2024 07:30	08/08/2024 17:22	SCB
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	08/08/2024 07:30	08/08/2024 17:22	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	08/08/2024 07:30	08/08/2024 17:22	SCB
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	08/08/2024 07:30	08/08/2024 17:22	SCB
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	08/08/2024 07:30	08/08/2024 17:22	SCB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
75-65-0	<b>tert-Butyl alcohol (TBA)</b>	<b>1.11</b>		ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/08/2024 07:30	08/08/2024 17:22	SCB
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
127-18-4	Tetrachloroethylene	ND	QL-02, CCVE, ICVE	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB
79-01-6	Trichloroethylene	ND	QL-02, CCVE	ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/08/2024 07:30	08/08/2024 17:22	SCB



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 24H0452-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Water

August 7, 2024 11:00 am

08/07/2024

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Trichlorofluoromethane, Vinyl Chloride, Xylenes, Total, and Surrogate Recoveries.

Sample Information

Client Sample ID: MW-3S

York Sample ID: 24H0452-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 6, 2024 10:00 am

08/07/2024

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113), 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethylene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene.



### Sample Information

**Client Sample ID:** MW-3S

**York Sample ID:** 24H0452-02

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

24H0452

406 Route 52 Carmel, New York

Ground Water

August 6, 2024 10:00 am

08/07/2024

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 00:22	SKF
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 00:22	SKF
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
107-02-8	Acrolein	ND	CCVE, ICVE	ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
107-13-1	Acrylonitrile	ND	QL-02	ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 00:22	SKF
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF



### Sample Information

**Client Sample ID:** MW-3S

**York Sample ID:** 24H0452-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 6, 2024 10:00 am

08/07/2024

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>1.02</b>		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 00:22	SKF
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 00:22	SKF
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 00:22	SKF
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 00:22	SKF
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 00:22	SKF
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 00:22	SKF
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
91-20-3	<b>Naphthalene</b>	<b>2.45</b>	CCVE, QL-02, B	ug/L	0.212	2.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 00:22	SKF
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	08/09/2024 17:11	08/10/2024 00:22	SKF
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	08/09/2024 17:11	08/10/2024 00:22	SKF



### Sample Information

**Client Sample ID:** MW-3S

**York Sample ID:** 24H0452-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 6, 2024 10:00 am

08/07/2024

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	08/09/2024 17:11	08/10/2024 00:22	SKF
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	08/09/2024 17:11	08/10/2024 00:22	SKF
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 00:22	SKF
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
127-18-4	<b>Tetrachloroethylene</b>	<b>11.2</b>	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
79-01-6	<b>Trichloroethylene</b>	<b>4.17</b>		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:22	SKF
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	97.4 %			69-130						
2037-26-5	Surrogate: SURRE: Toluene-d8	107 %			81-117						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	102 %			79-122						

### Sample Information

**Client Sample ID:** MW-3D

**York Sample ID:** 24H0452-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 6, 2024 11:00 am

08/07/2024



### Sample Information

**Client Sample ID:** MW-3D

**York Sample ID:** 24H0452-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 6, 2024 11:00 am

08/07/2024

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 00:48	SKF
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 00:48	SKF
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 00:48	SKF
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 00:48	SKF
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 00:48	SKF
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF



### Sample Information

**Client Sample ID:** MW-3D

**York Sample ID:** 24H0452-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 6, 2024 11:00 am

08/07/2024

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
107-02-8	Acrolein	ND	CCVE, ICVE	ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
107-13-1	Acrylonitrile	ND	QL-02	ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 00:48	SKF
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>19.7</b>		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 00:48	SKF
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 00:48	SKF
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 00:48	SKF
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 00:48	SKF
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF



### Sample Information

**Client Sample ID:** MW-3D

**York Sample ID:** 24H0452-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 6, 2024 11:00 am

08/07/2024

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 00:48	SKF
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 00:48	SKF
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
91-20-3	<b>Naphthalene</b>	<b>2.12</b>	CCVE, QL-02, B	ug/L	0.212	2.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 00:48	SKF
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	08/09/2024 17:11	08/10/2024 00:48	SKF
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	08/09/2024 17:11	08/10/2024 00:48	SKF
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	08/09/2024 17:11	08/10/2024 00:48	SKF
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	08/09/2024 17:11	08/10/2024 00:48	SKF
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 00:48	SKF
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
127-18-4	<b>Tetrachloroethylene</b>	<b>44.7</b>	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C:	08/09/2024 17:11	08/10/2024 00:48	SKF
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
156-60-5	<b>trans-1,2-Dichloroethylene</b>	<b>0.290</b>	J	ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C:	08/09/2024 17:11	08/10/2024 00:48	SKF
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
79-01-6	<b>Trichloroethylene</b>	<b>18.9</b>		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C:	08/09/2024 17:11	08/10/2024 00:48	SKF
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF



## Sample Information

**Client Sample ID:** MW-3D

**York Sample ID:** 24H0452-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 6, 2024 11:00 am

08/07/2024

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 00:48	SKF
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.5 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	107 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %			79-122						

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	08/12/2024 07:51	08/13/2024 12:35	SS	
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17647-74-4	Surrogate: 1,4-Dioxane-d8	53.4 %			36.6-118						

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	5.77		ng/L	0.824	3.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	7.37		ng/L	0.614	3.51	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	4.80		ng/L	1.25	3.51	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	3.46		ng/L	1.19	3.21	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	10.7		ng/L	0.737	3.51	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	23.1		ng/L	1.44	3.26	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	1.41	J	ng/L	0.912	3.51	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	1.32	3.51	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.98	3.51	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ



## Sample Information

**Client Sample ID:** MW-3D

**York Sample ID:** 24H0452-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 6, 2024 11:00 am

08/07/2024

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.54	3.51	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	1.30	3.51	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.21	3.51	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	1.39	3.51	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.81	3.51	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>9.01</b>		ng/L	0.403	7.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.54	3.51	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.60	3.35	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.32	3.39	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.86	13.3	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	3.60	13.5	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
375-22-4	<b>Perfluoro-n-butanoic acid (PFBA)</b>	<b>4.31</b>	J	ng/L	0.579	14.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.877	6.24	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/14/2024 16:30	08/19/2024 22:47	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	3.75	7.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/14/2024 16:30	08/19/2024 22:47	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.439	7.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/14/2024 16:30	08/19/2024 22:47	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.649	7.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/14/2024 16:30	08/19/2024 22:47	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	1.33	3.30	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	3.14	13.2	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	5.67	14.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
763051-92-9	<b>11CL-PF3OUdS</b>	<b>8.72</b>	J	ng/L	2.42	13.3	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	1.23	13.1	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
919005-14-4	ADONA	ND		ng/L	0.930	13.3	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.63	3.40	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/19/2024 22:47	ESJ



### Sample Information

**Client Sample ID:** MW-3D

**York Sample ID:** 24H0452-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 6, 2024 11:00 am

08/07/2024

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	1.51	3.37	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/14/2024 16:30	08/19/2024 22:47	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND	PF-CCV -L, PF-LCS -L	ng/L	3.56	8.77	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/19/2024 22:47	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	12.9	43.9	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/19/2024 22:47	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	16.6	43.9	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/19/2024 22:47	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	7.00	35.1	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/19/2024 22:47	ESJ
31506-32-8	* N-MeFOSA	ND	PF-CCV -L, PF-LCS -L	ng/L	2.77	3.51	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/19/2024 22:47	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	7.00	35.1	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/19/2024 22:47	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	3.16	3.51	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/19/2024 22:47	ESJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS	161 %	PFSu-H	25-150
Surrogate: M5PFHxA	133 %		25-150
Surrogate: M4PFHpA	146 %		25-150
Surrogate: M3PFHxS	136 %		25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	128 %		25-150
Surrogate: M6PFDA	114 %		25-150
Surrogate: M7PFUdA	113 %		25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	84.9 %		25-150
Surrogate: M2PFTeDA	66.8 %		10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	132 %		25-150
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	127 %		25-150
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	140 %		25-150
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	110 %		10-150
Surrogate: d3-N-MeFOSAA	103 %		25-150
Surrogate: d5-N-EtFOSAA	104 %		25-150
Surrogate: M2-6:2 FTS	133 %		25-200
Surrogate: M2-8:2 FTS	117 %		25-200
Surrogate: M9PFNA	132 %		25-150



Sample Information

Client Sample ID: MW-3D

York Sample ID: 24H0452-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 6, 2024 11:00 am

08/07/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include surrogate results for M2-4:2 FTS, d-N-MeFOSA, d-N-EtFOSA, M3HFPO-DA, d9-N-EtFOSE, and d7-N-MeFOSE.

Sample Information

Client Sample ID: MW-3D Field Blank

York Sample ID: 24H0452-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 6, 2024 11:00 am

08/07/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows list various PFAS compounds like Perfluorobutanesulfonic acid (PFBS), Perfluorohexanoic acid (PFHxA), etc., with results mostly ND.



### Sample Information

**Client Sample ID:** MW-3D Field Blank

**York Sample ID:** 24H0452-04

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

24H0452

406 Route 52 Carmel, New York

Ground Water

August 6, 2024 11:00 am

08/07/2024

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	N-EtFOSAA	ND		ng/L	1.90	3.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:03	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.425	7.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:03	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.63	3.69	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:03	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.68	3.53	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:03	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.44	3.56	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:03	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.96	14.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:03	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	3.79	14.2	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:03	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.609	14.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:03	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.923	6.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/14/2024 16:30	08/19/2024 23:03	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	3.95	7.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/14/2024 16:30	08/19/2024 23:03	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.462	7.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/14/2024 16:30	08/19/2024 23:03	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.683	7.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/14/2024 16:30	08/19/2024 23:03	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	1.40	3.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:03	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	3.31	13.9	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:03	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	5.97	14.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:03	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.55	14.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:03	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	1.29	13.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:03	ESJ
919005-14-4	ADONA	ND		ng/L	0.979	14.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:03	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.72	3.58	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/19/2024 23:03	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	1.59	3.55	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:03	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPPrPA)	ND	PF-CCV -L, PF-LCS -L	ng/L	3.75	9.23	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/19/2024 23:03	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	13.5	46.2	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/19/2024 23:03	ESJ



### Sample Information

**Client Sample ID:** MW-3D Field Blank

**York Sample ID:** 24H0452-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 6, 2024 11:00 am

08/07/2024

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	17.5	46.2	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/19/2024 23:03	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	7.37	36.9	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/19/2024 23:03	ESJ
31506-32-8	* N-MeFOSA	ND		PF-CCV ng/L -L, PF-LCS -L	2.92	3.69	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/19/2024 23:03	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	7.37	36.9	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/19/2024 23:03	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	3.32	3.69	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/19/2024 23:03	ESJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS	157 %	PFSu-H	25-150
Surrogate: M5PFHxA	123 %		25-150
Surrogate: M4PFHpA	132 %		25-150
Surrogate: M3PFHxS	136 %		25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	129 %		25-150
Surrogate: M6PFDA	106 %		25-150
Surrogate: M7PFUdA	101 %		25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	99.6 %		25-150
Surrogate: M2PFTeDA	75.1 %		10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	130 %		25-150
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	115 %		25-150
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	127 %		25-150
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	118 %		10-150
Surrogate: d3-N-MeFOSAA	108 %		25-150
Surrogate: d5-N-EtFOSAA	114 %		25-150
Surrogate: M2-6:2 FTS	119 %		25-200
Surrogate: M2-8:2 FTS	125 %		25-200
Surrogate: M9PFNA	136 %		25-150
Surrogate: M2-4:2 FTS	138 %		25-150
Surrogate: d-N-MeFOSA	47.0 %		25-150
Surrogate: d-N-EtFOSA	32.7 %		25-150
Surrogate: M3HFPO-DA	61.2 %		25-150
Surrogate: d9-N-EtFOSE	60.5 %		25-150
Surrogate: d7-N-MeFOSE	62.8 %		25-150



Sample Information

Client Sample ID: MW-3D Field Blank

York Sample ID: 24H0452-04

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received

Sample Information

Client Sample ID: MW-8D

York Sample ID: 24H0452-05

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Main data table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst



Sample Information

Client Sample ID: MW-8D

York Sample ID: 24H0452-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 6, 2024 3:00 pm

08/07/2024

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various chemical compounds like 1,3-Dichloropropane, 1,4-Dichlorobenzene, etc.



### Sample Information

**Client Sample ID:** MW-8D

**York Sample ID:** 24H0452-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 6, 2024 3:00 pm

08/07/2024

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 08:07	08/09/2024 17:04	SCB
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 08:07	08/09/2024 17:04	SCB
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 08:07	08/09/2024 17:04	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 08:07	08/09/2024 17:04	SCB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 08:07	08/09/2024 17:04	SCB
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 08:07	08/09/2024 17:04	SCB
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 08:07	08/09/2024 17:04	SCB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 08:07	08/09/2024 17:04	SCB
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 08:07	08/09/2024 17:04	SCB
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 08:07	08/09/2024 17:04	SCB
91-20-3	<b>Naphthalene</b>	<b>0.730</b>	J	ug/L	0.212	2.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 08:07	08/09/2024 17:04	SCB
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 08:07	08/09/2024 17:04	SCB
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 08:07	08/09/2024 17:04	SCB
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	08/09/2024 08:07	08/09/2024 17:04	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	08/09/2024 08:07	08/09/2024 17:04	SCB
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	08/09/2024 08:07	08/09/2024 17:04	SCB
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	08/09/2024 08:07	08/09/2024 17:04	SCB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 08:07	08/09/2024 17:04	SCB
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 08:07	08/09/2024 17:04	SCB
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 08:07	08/09/2024 17:04	SCB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 08:07	08/09/2024 17:04	SCB
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 08:07	08/09/2024 17:04	SCB
127-18-4	<b>Tetrachloroethylene</b>	<b>0.720</b>	ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C-	08/09/2024 08:07	08/09/2024 17:04	SCB



### Sample Information

**Client Sample ID:** MW-8D

**York Sample ID:** 24H0452-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 6, 2024 3:00 pm

08/07/2024

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 08:07	08/09/2024 17:04	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 08:07	08/09/2024 17:04	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 08:07	08/09/2024 17:04	SCB
79-01-6	Trichloroethylene	ND	QL-02	ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 08:07	08/09/2024 17:04	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 08:07	08/09/2024 17:04	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 08:07	08/09/2024 17:04	SCB
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 08:07	08/09/2024 17:04	SCB
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	93.7 %	ICVE		69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	99.9 %	ICVE		81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	106 %	ICVE		79-122						

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	08/12/2024 07:51	08/13/2024 12:53	SS
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
17647-74-4	Surrogate: 1,4-Dioxane-d8	55.9 %			36.6-118					

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	20.5		ng/L	0.843	3.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	14.9		ng/L	0.628	3.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	5.05		ng/L	1.27	3.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.49	J	ng/L	1.22	3.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ



### Sample Information

**Client Sample ID:** MW-8D

**York Sample ID:** 24H0452-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 6, 2024 3:00 pm

08/07/2024

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-67-1	Perfluorooctanoic acid (PFOA)	14.5		ng/L	0.753	3.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	17.8		ng/L	1.47	3.34	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	2.38	J	ng/L	0.933	3.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	1.35	3.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.03	3.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.58	3.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.33	3.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.24	3.59	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	1.42	3.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.85	3.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	20.1		ng/L	0.412	7.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.58	3.59	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.63	3.43	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.37	3.46	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.90	13.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	3.68	13.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	6.52	J	ng/L	0.592	14.3	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.897	6.38	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/14/2024 16:30	08/19/2024 23:19	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	3.84	7.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/14/2024 16:30	08/19/2024 23:19	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.448	7.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/14/2024 16:30	08/19/2024 23:19	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.664	7.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/14/2024 16:30	08/19/2024 23:19	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	1.36	3.37	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	3.21	13.5	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ



### Sample Information

**Client Sample ID:** MW-8D

**York Sample ID:** 24H0452-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 6, 2024 3:00 pm

08/07/2024

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	5.79	14.3	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ
763051-92-9	<b>11CL-PF3OUdS</b>	<b>8.91</b>	J	ng/L	2.47	13.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	1.26	13.4	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ
919005-14-4	ADONA	ND		ng/L	0.951	13.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.67	3.48	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/19/2024 23:19	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	1.54	3.44	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/14/2024 16:30	08/19/2024 23:19	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND	PF-CCV -L, PF-LCS -L	ng/L	3.64	8.97	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/19/2024 23:19	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	13.1	44.8	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/19/2024 23:19	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	17.0	44.8	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/19/2024 23:19	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	7.16	35.9	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/19/2024 23:19	ESJ
31506-32-8	* N-MeFOSA	ND	PF-CCV -L, PF-LCS -L	ng/L	2.83	3.59	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/19/2024 23:19	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	7.16	35.9	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/19/2024 23:19	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	3.23	3.59	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/19/2024 23:19	ESJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS	209 %	PFSu-H	25-150
Surrogate: M5PFHxA	131 %		25-150
Surrogate: M4PFHpA	128 %		25-150
Surrogate: M3PFHxS	160 %	PFSu-H	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	129 %		25-150
Surrogate: M6PFDA	117 %		25-150
Surrogate: M7PFUdA	111 %		25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	83.5 %		25-150
Surrogate: M2PFTeDA	65.8 %		10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	131 %		25-150



### Sample Information

**Client Sample ID:** MW-8D

**York Sample ID:** 24H0452-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 6, 2024 3:00 pm

08/07/2024

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	125 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	127 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	114 %			10-150						
	Surrogate: d3-N-MeFOSAA	107 %			25-150						
	Surrogate: d5-N-EtFOSAA	128 %			25-150						
	Surrogate: M2-6:2 FTS	154 %			25-200						
	Surrogate: M2-8:2 FTS	134 %			25-200						
	Surrogate: M9PFNA	130 %			25-150						
	Surrogate: M2-4:2 FTS	277 %	PFSu-H		25-150						
	Surrogate: d-N-MeFOSA	41.1 %			25-150						
	Surrogate: d-N-EtFOSA	38.2 %			25-150						
	Surrogate: M3HFPO-DA	59.6 %			25-150						
	Surrogate: d9-N-EtFOSE	55.3 %			25-150						
	Surrogate: d7-N-MeFOSE	56.5 %			25-150						

### Sample Information

**Client Sample ID:** MW-8D Field Blank

**York Sample ID:** 24H0452-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 6, 2024 3:00 pm

08/07/2024

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.861	3.24	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.641	3.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.30	3.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.25	3.35	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.769	3.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.50	3.41	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.953	3.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ



### Sample Information

**Client Sample ID:** MW-8D Field Blank

**York Sample ID:** 24H0452-06

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

24H0452

406 Route 52 Carmel, New York

Ground Water

August 6, 2024 3:00 pm

08/07/2024

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	1.37	3.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.07	3.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.61	3.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	1.36	3.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.26	3.66	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	1.45	3.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.89	3.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.421	7.33	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.61	3.66	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.67	3.50	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.42	3.54	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.94	13.9	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	3.76	14.1	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.604	14.7	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.916	6.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/14/2024 16:30	08/20/2024 00:39	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	3.92	7.33	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/14/2024 16:30	08/20/2024 00:39	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.458	7.33	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/14/2024 16:30	08/20/2024 00:39	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.678	7.33	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/14/2024 16:30	08/20/2024 00:39	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	1.39	3.44	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	3.28	13.7	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	5.92	14.7	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ
763051-92-9	<b>11CL-PF3OUdS</b>	<b>9.12</b>	<b>J</b>	ng/L	2.53	13.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	1.28	13.7	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ



### Sample Information

**Client Sample ID:** MW-8D Field Blank

**York Sample ID:** 24H0452-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 6, 2024 3:00 pm

08/07/2024

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
919005-14-4	ADONA	ND		ng/L	0.971	13.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.70	3.55	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/20/2024 00:39	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	1.58	3.52	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:39	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND	PF-CCV	ng/L	3.72	9.16	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/20/2024 00:39	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND	-L	ng/L	13.4	45.8	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/20/2024 00:39	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	17.3	45.8	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/20/2024 00:39	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	7.31	36.6	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/20/2024 00:39	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	2.89	3.66	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/20/2024 00:39	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	7.31	36.6	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/20/2024 00:39	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	3.30	3.66	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/20/2024 00:39	ESJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS	146 %	25-150
Surrogate: M5PFHxA	135 %	25-150
Surrogate: M4PFHpA	141 %	25-150
Surrogate: M3PFHxS	129 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	130 %	25-150
Surrogate: M6PFDA	130 %	25-150
Surrogate: M7PFUdA	104 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	89.6 %	25-150
Surrogate: M2PFTeDA	71.5 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	133 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	144 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	133 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	126 %	10-150
Surrogate: d3-N-MeFOSAA	111 %	25-150
Surrogate: d5-N-EtFOSAA	100 %	25-150
Surrogate: M2-6:2 FTS	119 %	25-200
Surrogate: M2-8:2 FTS	109 %	25-200



### Sample Information

**Client Sample ID:** MW-8D Field Blank

**York Sample ID:** 24H0452-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 6, 2024 3:00 pm

08/07/2024

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M9PFNA	116 %			25-150						
	Surrogate: M2-4:2 FTS	133 %			25-150						
	Surrogate: d-N-MeFOSA	61.0 %			25-150						
	Surrogate: d-N-EtFOSA	46.7 %			25-150						
	Surrogate: M3HFPO-DA	64.3 %			25-150						
	Surrogate: d9-N-EtFOSE	57.2 %			25-150						
	Surrogate: d7-N-MeFOSE	62.6 %			25-150						

### Sample Information

**Client Sample ID:** Dup-01

**York Sample ID:** 24H0452-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 7, 2024 11:00 am

08/07/2024

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 01:15	SKF
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 01:15	SKF
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 01:15	SKF
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF



### Sample Information

**Client Sample ID:** Dup-01

**York Sample ID:** 24H0452-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 7, 2024 11:00 am

08/07/2024

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 01:15	SKF
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 01:15	SKF
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
107-02-8	Acrolein	ND	CCVE, ICVE	ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
107-13-1	Acrylonitrile	ND	QL-02	ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 01:15	SKF
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF



### Sample Information

**Client Sample ID:** Dup-01

**York Sample ID:** 24H0452-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 7, 2024 11:00 am

08/07/2024

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 01:15	SKF
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 01:15	SKF
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 01:15	SKF
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 01:15	SKF
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 01:15	SKF
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 01:15	SKF
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
91-20-3	<b>Naphthalene</b>	<b>1.98</b>	J, B	ug/L	0.212	2.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 01:15	SKF
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	08/09/2024 17:11	08/10/2024 01:15	SKF
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	08/09/2024 17:11	08/10/2024 01:15	SKF
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	08/09/2024 17:11	08/10/2024 01:15	SKF



### Sample Information

**Client Sample ID:** Dup-01

**York Sample ID:** 24H0452-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 7, 2024 11:00 am

08/07/2024

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	08/09/2024 17:11	08/10/2024 01:15	SKF
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	08/09/2024 17:11	08/10/2024 01:15	SKF
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
127-18-4	<b>Tetrachloroethylene</b>	<b>0.950</b>	CCVE, ICVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	08/09/2024 17:11	08/10/2024 01:15	SKF
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: <i>SURR: 1,2-Dichloroethane-d4</i>	97.9 %			69-130						
2037-26-5	Surrogate: <i>SURR: Toluene-d8</i>	107 %			81-117						
460-00-4	Surrogate: <i>SURR: p-Bromofluorobenzene</i>	101 %			79-122						

**Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	08/12/2024 07:51	08/13/2024 13:10	SS	
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17647-74-4	Surrogate: <i>1,4-Dioxane-d8</i>	52.6 %			36.6-118						



### Sample Information

**Client Sample ID:** Dup-01

**York Sample ID:** 24H0452-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 7, 2024 11:00 am

08/07/2024

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	21.5		ng/L	0.888	3.34	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	14.7		ng/L	0.661	3.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	4.45		ng/L	1.34	3.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	3.04	J	ng/L	1.28	3.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	13.8		ng/L	0.793	3.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	18.2		ng/L	1.55	3.51	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	3.18	J	ng/L	0.982	3.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	1.42	3.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.13	3.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.66	3.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.40	3.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.30	3.78	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	1.49	3.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.95	3.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	20.5		ng/L	0.435	7.56	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.66	3.78	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.72	3.61	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.49	3.65	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	2.00	14.4	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	3.87	14.5	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	6.43	J	ng/L	0.623	15.1	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.945	6.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/14/2024 16:30	08/20/2024 00:56	ESJ



### Sample Information

**Client Sample ID:** Dup-01

**York Sample ID:** 24H0452-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Ground Water

August 7, 2024 11:00 am

08/07/2024

**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	4.04	7.56	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/14/2024 16:30	08/20/2024 00:56	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.472	7.56	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/14/2024 16:30	08/20/2024 00:56	ESJ
863090-89-5	Perfluoro-5-oxaheptanoic acid (PFMBA)	ND		ng/L	0.699	7.56	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/14/2024 16:30	08/20/2024 00:56	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	1.44	3.55	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	3.38	14.2	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	6.10	15.1	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
763051-92-9	<b>11CL-PF3OUdS</b>	<b>9.43</b>	<b>J</b>	ng/L	2.61	14.3	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	1.32	14.1	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
919005-14-4	ADONA	ND		ng/L	1.00	14.3	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.76	3.67	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/20/2024 00:56	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	1.62	3.63	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/14/2024 16:30	08/20/2024 00:56	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPtPA)	ND	PF-CCV -L	ng/L	3.84	9.45	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/20/2024 00:56	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	13.8	47.2	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/20/2024 00:56	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	17.9	47.2	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/20/2024 00:56	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	7.54	37.8	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/20/2024 00:56	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	2.98	3.78	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/20/2024 00:56	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	7.54	37.8	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/20/2024 00:56	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	3.40	3.78	1	EPA 1633 Draft 3 Certifications:	08/14/2024 16:30	08/20/2024 00:56	ESJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS	171 %	PFSu-H	25-150
Surrogate: M5PFHxA	121 %		25-150
Surrogate: M4PFHpA	132 %		25-150
Surrogate: M3PFHxS	128 %		25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	120 %		25-150
Surrogate: M6PFDA	103 %		25-150
Surrogate: M7PFUdA	95.1 %		25-150



### Sample Information

**Client Sample ID:** Dup-01

**York Sample ID:** 24H0452-07

<u>York Project (SDG) No.</u> 24H0452	<u>Client Project ID</u> 406 Route 52 Carmel, New York	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> August 7, 2024 11:00 am	<u>Date Received</u> 08/07/2024
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**PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	82.7 %			25-150						
	Surrogate: M2PFTeDA	63.9 %			10-150						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	122 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	123 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	119 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	107 %			10-150						
	Surrogate: d3-N-MeFOSAA	113 %			25-150						
	Surrogate: d5-N-EtFOSAA	111 %			25-150						
	Surrogate: M2-6:2 FTS	120 %			25-200						
	Surrogate: M2-8:2 FTS	96.7 %			25-200						
	Surrogate: M9PFNA	115 %			25-150						
	Surrogate: M2-4:2 FTS	207 %	PFSu-H		25-150						
	Surrogate: d-N-MeFOSA	37.6 %			25-150						
	Surrogate: d-N-EtFOSA	33.3 %			25-150						
	Surrogate: M3HFPO-DA	57.3 %			25-150						
	Surrogate: d9-N-EtFOSE	57.6 %			25-150						
	Surrogate: d7-N-MeFOSE	59.1 %			25-150						

### Sample Information

**Client Sample ID:** Salon Pretreatment

**York Sample ID:** 24H0452-08

<u>York Project (SDG) No.</u> 24H0452	<u>Client Project ID</u> 406 Route 52 Carmel, New York	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> August 6, 2024 12:00 pm	<u>Date Received</u> 08/07/2024
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**Volatile Organics, 524.2 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
108-86-1	Bromobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
74-97-5	Bromochloromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO



## Sample Information

**Client Sample ID:** Salon Pretreatment

**York Sample ID:** 24H0452-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 12:00 pm

08/07/2024

**Volatile Organics, 524.2 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
75-25-2	Bromoform	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
74-83-9	Bromomethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
108-90-7	Chlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
75-00-3	Chloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
67-66-3	Chloroform	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
74-87-3	Chloromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
74-95-3	Dibromomethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>7.5</b>		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO



### Sample Information

**Client Sample ID:** Salon Pretreatment

**York Sample ID:** 24H0452-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 12:00 pm

08/07/2024

**Volatile Organics, 524.2 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
75-09-2	Methylene chloride	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
91-20-3	Naphthalene	ND		ug/L	2.0	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
100-42-5	Styrene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
127-18-4	<b>Tetrachloroethylene</b>	<b>91</b>		ug/L	5.0	10	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/13/2024 16:13	FO
108-88-3	Toluene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO



### Sample Information

**Client Sample ID:** Salon Pretreatment

**York Sample ID:** 24H0452-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 12:00 pm

08/07/2024

**Volatile Organics, 524.2 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
79-01-6	Trichloroethylene	7.6		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
95-47-6	* o-Xylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723	08/12/2024 08:00	08/12/2024 13:44	FO
179601-23-1	* p- & m- Xylenes	ND		ug/L	1.0	1	EPA 524.2 Certifications: CTDOH-PH-0723	08/12/2024 08:00	08/12/2024 13:44	FO
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 13:44	FO
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	91.2 %	69-130							
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	102 %	79-122							
2037-26-5	Surrogate: SURRE: Toluene-d8	99.3 %	81-117							

**1,4-Dioxane by GC/MS/SIM EPA 522**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 522

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.200	1	EPA 522 Certifications: NELAC-NY10854	08/13/2024 08:29	08/14/2024 11:16	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
17647-74-4	Surrogate: 1,4-Dioxane-d8	72.0 %	70-130							

**PFAS, EPA 533 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 533

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
919005-14-4	ADONA	ND		ng/L	0.985	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:42	JTG
756426-58-1	9CL-PF3ONS	ND		ng/L	0.985	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:42	JTG



### Sample Information

**Client Sample ID:** Salon Pretreatment

**York Sample ID:** 24H0452-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 12:00 pm

08/07/2024

**PFAS, EPA 533 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 533

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
763051-92-9	11CL-PF3OUdS	ND		ng/L	0.985	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:42	JTG
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	0.985	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:42	JTG
375-73-5	<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>28.8</b>		ng/L	0.985	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:42	JTG
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.985	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:42	JTG
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.985	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:42	JTG
375-85-9	<b>Perfluoroheptanoic acid (PFHpA)</b>	<b>3.30</b>		ng/L	0.985	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:42	JTG
355-46-4	<b>Perfluorohexanesulfonic acid (PFHxS)</b>	<b>3.24</b>		ng/L	0.985	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:42	JTG
307-24-4	<b>Perfluorohexanoic acid (PFHxA)</b>	<b>10.4</b>		ng/L	0.985	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:42	JTG
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.985	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:42	JTG
1763-23-1	<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>12.9</b>		ng/L	0.985	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:42	JTG
335-67-1	<b>Perfluorooctanoic acid (PFOA)</b>	<b>8.82</b>		ng/L	0.985	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:42	JTG
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.985	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:42	JTG
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	0.985	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:42	JTG
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.985	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:42	JTG
375-22-4	<b>Perfluoro-n-butanoic acid (PFBA)</b>	<b>4.60</b>		ng/L	0.985	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:42	JTG
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.97	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:42	JTG
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.97	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:42	JTG
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.97	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:42	JTG
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>13.4</b>		ng/L	0.985	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:42	JTG
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.985	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:42	JTG
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.985	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:42	JTG
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	0.985	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:42	JTG
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.985	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:42	JTG



### Sample Information

**Client Sample ID:** Salon Pretreatment

**York Sample ID:** 24H0452-08

<u>York Project (SDG) No.</u> 24H0452	<u>Client Project ID</u> 406 Route 52 Carmel, New York	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> August 6, 2024 12:00 pm	<u>Date Received</u> 08/07/2024
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**PFAS, EPA 533 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 533

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
	Surrogate: MPFDoA	74.7 %								
	Surrogate: MPFBA	98.4 %								
	Surrogate: M9PFNA	72.9 %								
	Surrogate: M8PFOS	91.6 %								
	Surrogate: M8PFOA	94.3 %								
	Surrogate: M7PFUdA	83.0 %								
	Surrogate: M6PFDA	88.8 %								
	Surrogate: M5PFPeA	106 %								
	Surrogate: M5PFHxA	87.5 %								
	Surrogate: M4PFHpA	87.4 %								
	Surrogate: M3PFHxS	105 %								
	Surrogate: M3PFBS	87.7 %								
	Surrogate: M3HFPO-DA	70.1 %								
	Surrogate: M2-8:2 FTS	100 %								
	Surrogate: M2-6:2 FTS	136 %								
	Surrogate: M2-4:2 FTS	201 %	PFSu-H							

### Sample Information

**Client Sample ID:** Salon Pretreatment (Field Blank)

**York Sample ID:** 24H0452-09

<u>York Project (SDG) No.</u> 24H0452	<u>Client Project ID</u> 406 Route 52 Carmel, New York	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> August 6, 2024 12:00 pm	<u>Date Received</u> 08/07/2024
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**PFAS, EPA 533 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 533

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
919005-14-4	ADONA	ND		ng/L	0.940	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:57	JTG
756426-58-1	9CL-PF3ONS	ND		ng/L	0.940	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:57	JTG
763051-92-9	11CL-PF3OUdS	ND		ng/L	0.940	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:57	JTG
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	0.940	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:57	JTG
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.940	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:57	JTG
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.940	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:57	JTG



### Sample Information

**Client Sample ID:** Salon Pretreatment (Field Blank)

**York Sample ID:** 24H0452-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 12:00 pm

08/07/2024

**PFAS, EPA 533 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 533

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.940	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:57	JTG
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.940	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:57	JTG
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.940	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:57	JTG
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.940	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:57	JTG
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.940	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:57	JTG
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.940	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:57	JTG
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.940	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:57	JTG
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.940	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:57	JTG
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	0.940	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:57	JTG
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.940	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:57	JTG
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.940	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:57	JTG
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.88	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:57	JTG
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.88	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:57	JTG
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.88	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:57	JTG
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.940	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:57	JTG
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.940	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:57	JTG
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.940	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:57	JTG
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	0.940	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:57	JTG
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.940	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/26/2024 23:57	JTG

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: MPFDoA	80.2 %	50-200
Surrogate: MPFBA	98.2 %	50-200
Surrogate: M9PFNA	80.0 %	50-200
Surrogate: M8PFOS	83.8 %	50-200
Surrogate: M8PFOA	94.3 %	50-200
Surrogate: M7PFUdA	85.8 %	50-200



### Sample Information

**Client Sample ID:** Salon Pretreatment (Field Blank)

**York Sample ID:** 24H0452-09

<u>York Project (SDG) No.</u> 24H0452	<u>Client Project ID</u> 406 Route 52 Carmel, New York	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> August 6, 2024 12:00 pm	<u>Date Received</u> 08/07/2024
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**PFAS, EPA 533 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 533

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M6PFDA	90.4 %			50-200					
	Surrogate: M5PFPeA	112 %			50-200					
	Surrogate: M5PFHxA	93.8 %			50-200					
	Surrogate: M4PFHpA	94.1 %			50-200					
	Surrogate: M3PFHxS	91.3 %			50-200					
	Surrogate: M3PFBS	88.1 %			50-200					
	Surrogate: M3HFPO-DA	81.8 %			50-200					
	Surrogate: M2-8:2 FTS	86.0 %			50-200					
	Surrogate: M2-6:2 FTS	93.8 %			50-200					
	Surrogate: M2-4:2 FTS	94.5 %			50-200					

### Sample Information

**Client Sample ID:** Salon Midfluent 1

**York Sample ID:** 24H0452-10

<u>York Project (SDG) No.</u> 24H0452	<u>Client Project ID</u> 406 Route 52 Carmel, New York	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> August 6, 2024 12:00 pm	<u>Date Received</u> 08/07/2024
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**Volatile Organics, 524.2 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	0.9		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
108-86-1	Bromobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
74-97-5	Bromochloromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
75-25-2	Bromoform	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
74-83-9	Bromomethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO



### Sample Information

**Client Sample ID:** Salon Midfluent 1

**York Sample ID:** 24H0452-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 12:00 pm

08/07/2024

**Volatile Organics, 524.2 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
75-00-3	Chloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
67-66-3	Chloroform	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
74-87-3	Chloromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
74-95-3	Dibromomethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO



### Sample Information

**Client Sample ID:** Salon Midfluent 1

**York Sample ID:** 24H0452-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 12:00 pm

08/07/2024

**Volatile Organics, 524.2 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
75-09-2	Methylene chloride	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
91-20-3	Naphthalene	ND		ug/L	2.0	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
100-42-5	Styrene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
127-18-4	Tetrachloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
108-88-3	Toluene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
79-01-6	Trichloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO



### Sample Information

**Client Sample ID:** Salon Midfluent 1

**York Sample ID:** 24H0452-10

<u>York Project (SDG) No.</u> 24H0452	<u>Client Project ID</u> 406 Route 52 Carmel, New York	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> August 6, 2024 12:00 pm	<u>Date Received</u> 08/07/2024
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**Volatile Organics, 524.2 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	* o-Xylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723	08/12/2024 08:00	08/12/2024 14:17	FO
179601-23-1	* p- & m- Xylenes	ND		ug/L	1.0	1	EPA 524.2 Certifications: CTDOH-PH-0723	08/12/2024 08:00	08/12/2024 14:17	FO
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:17	FO
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %	69-130							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	106 %	79-122							
2037-26-5	Surrogate: SURR: Toluene-d8	99.0 %	81-117							

### Sample Information

**Client Sample ID:** Salon Midfluent 2

**York Sample ID:** 24H0452-11

<u>York Project (SDG) No.</u> 24H0452	<u>Client Project ID</u> 406 Route 52 Carmel, New York	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> August 6, 2024 12:00 pm	<u>Date Received</u> 08/07/2024
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**Volatile Organics, 524.2 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
108-86-1	Bromobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
74-97-5	Bromochloromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
75-25-2	Bromoform	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
74-83-9	Bromomethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO



## Sample Information

**Client Sample ID:** Salon Midfluent 2

**York Sample ID:** 24H0452-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 12:00 pm

08/07/2024

**Volatile Organics, 524.2 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
75-00-3	Chloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
67-66-3	Chloroform	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
74-87-3	Chloromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
74-95-3	Dibromomethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO



### Sample Information

**Client Sample ID:** Salon Midfluent 2

**York Sample ID:** 24H0452-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 12:00 pm

08/07/2024

**Volatile Organics, 524.2 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
75-09-2	Methylene chloride	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
91-20-3	Naphthalene	ND		ug/L	2.0	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
100-42-5	Styrene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
127-18-4	Tetrachloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
108-88-3	Toluene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
79-01-6	Trichloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO



### Sample Information

**Client Sample ID:** Salon Midfluent 2

**York Sample ID:** 24H0452-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 12:00 pm

08/07/2024

#### Volatile Organics, 524.2 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	* o-Xylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723	08/12/2024 08:00	08/12/2024 14:49	FO
179601-23-1	* p- & m- Xylenes	ND		ug/L	1.0	1	EPA 524.2 Certifications: CTDOH-PH-0723	08/12/2024 08:00	08/12/2024 14:49	FO
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 14:49	FO
	<b>Surrogate Recoveries</b>	<b>Result</b>					<b>Acceptance Range</b>			
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	108 %					69-130			
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %					79-122			
2037-26-5	Surrogate: SURR: Toluene-d8	97.3 %					81-117			

### Sample Information

**Client Sample ID:** Salon Effluent

**York Sample ID:** 24H0452-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 12:00 pm

08/07/2024

#### Volatile Organics, 524.2 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
108-86-1	Bromobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
74-97-5	Bromochloromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
75-25-2	Bromoform	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
74-83-9	Bromomethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO



## Sample Information

**Client Sample ID:** Salon Effluent

**York Sample ID:** 24H0452-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 12:00 pm

08/07/2024

**Volatile Organics, 524.2 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
75-00-3	Chloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
67-66-3	Chloroform	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
74-87-3	Chloromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
74-95-3	Dibromomethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO



### Sample Information

**Client Sample ID:** Salon Effluent

**York Sample ID:** 24H0452-12

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 12:00 pm

08/07/2024

**Volatile Organics, 524.2 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
75-09-2	Methylene chloride	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
91-20-3	Naphthalene	ND		ug/L	2.0	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
100-42-5	Styrene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
127-18-4	Tetrachloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
108-88-3	Toluene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
79-01-6	Trichloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:23	FO



Sample Information

Client Sample ID: Salon Effluent

York Sample ID: 24H0452-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 12:00 pm

08/07/2024

Volatile Organics, 524.2 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for o-Xylene, p- & m- Xylenes, Xylenes, Total, and Surrogate Recoveries for Surr: 1,2-Dichloroethane-d4, p-Bromofluorobenzene, and Surr: Toluene-d8.

Sample Information

Client Sample ID: Cleaners Pretreatment

York Sample ID: 24H0452-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 2:00 pm

08/07/2024

Volatile Organics, 524.2 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Benzene, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Bromomethane, tert-Butylbenzene, n-Butylbenzene, sec-Butylbenzene, and Carbon tetrachloride.



Sample Information

Client Sample ID: Cleaners Pretreatment

York Sample ID: 24H0452-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 2:00 pm

08/07/2024

Volatile Organics, 524.2 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Contains 20 rows of chemical analysis data.



### Sample Information

**Client Sample ID:** Cleaners Pretreatment

**York Sample ID:** 24H0452-13

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 2:00 pm

08/07/2024

**Volatile Organics, 524.2 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:55	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:55	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:55	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:55	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:55	FO
75-09-2	Methylene chloride	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:55	FO
91-20-3	Naphthalene	ND		ug/L	2.0	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:55	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:55	FO
100-42-5	Styrene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:55	FO
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:55	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:55	FO
127-18-4	<b>Tetrachloroethylene</b>	<b>1.3</b>		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:55	FO
108-88-3	Toluene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:55	FO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:55	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:55	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:55	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:55	FO
79-01-6	Trichloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:55	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:55	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:55	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:55	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:55	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:55	FO



### Sample Information

**Client Sample ID:** Cleaners Pretreatment

**York Sample ID:** 24H0452-13

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 2:00 pm

08/07/2024

**Volatile Organics, 524.2 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	* o-Xylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723	08/12/2024 08:00	08/12/2024 15:55	FO
179601-23-1	* p- & m- Xylenes	ND		ug/L	1.0	1	EPA 524.2 Certifications: CTDOH-PH-0723	08/12/2024 08:00	08/12/2024 15:55	FO
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 524.2 Certifications: CTDOH-PH-0723, NELAC-NY10854, NJDEP-CT005	08/12/2024 08:00	08/12/2024 15:55	FO
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	111 %	69-130							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.4 %	79-122							
2037-26-5	Surrogate: SURR: Toluene-d8	97.7 %	81-117							

**1,4-Dioxane by GC/MS/SIM EPA 522**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 522

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.200	1	EPA 522 Certifications: NELAC-NY10854	08/13/2024 08:29	08/13/2024 17:24	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
17647-74-4	Surrogate: 1,4-Dioxane-d8	72.0 %	70-130							

**PFAS, EPA 533 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 533

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
919005-14-4	ADONA	ND		ng/L	0.970	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/27/2024 00:11	JTG
756426-58-1	9CL-PF3ONS	ND		ng/L	0.970	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/27/2024 00:11	JTG
763051-92-9	11CL-PF3OUdS	ND		ng/L	0.970	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/27/2024 00:11	JTG
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	0.970	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/27/2024 00:11	JTG
375-73-5	<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>23.9</b>		ng/L	0.970	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/27/2024 00:11	JTG
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.970	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/27/2024 00:11	JTG
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.970	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/27/2024 00:11	JTG
375-85-9	<b>Perfluoroheptanoic acid (PFHpA)</b>	<b>2.45</b>		ng/L	0.970	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/27/2024 00:11	JTG
355-46-4	<b>Perfluorohexanesulfonic acid (PFHxS)</b>	<b>1.66</b>		ng/L	0.970	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/27/2024 00:11	JTG



## Sample Information

**Client Sample ID:** Cleaners Pretreatment

**York Sample ID:** 24H0452-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 2:00 pm

08/07/2024

**PFAS, EPA 533 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 533

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
307-24-4	Perfluorohexanoic acid (PFHxA)	12.5		ng/L	0.970	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/27/2024 00:11	JTG
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.970	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/27/2024 00:11	JTG
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	5.49		ng/L	0.970	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/27/2024 00:11	JTG
335-67-1	Perfluorooctanoic acid (PFOA)	6.72		ng/L	0.970	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/27/2024 00:11	JTG
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.970	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/27/2024 00:11	JTG
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	0.970	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/27/2024 00:11	JTG
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.970	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/27/2024 00:11	JTG
375-22-4	Perfluoro-n-butanoic acid (PFBA)	6.86		ng/L	0.970	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/27/2024 00:11	JTG
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.94	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/27/2024 00:11	JTG
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.94	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/27/2024 00:11	JTG
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.94	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/27/2024 00:11	JTG
2706-90-3	Perfluoropentanoic acid (PFPeA)	21.5		ng/L	0.970	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/27/2024 00:11	JTG
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.970	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/27/2024 00:11	JTG
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.970	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/27/2024 00:11	JTG
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	0.970	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/27/2024 00:11	JTG
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.970	1	EPA 533 Certifications: NELAC-NY12058	08/19/2024 09:48	08/27/2024 00:11	JTG

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: MPFDoA	85.5 %	50-200
Surrogate: MPFBA	97.7 %	50-200
Surrogate: M9PFNA	77.1 %	50-200
Surrogate: M8PFOS	96.6 %	50-200
Surrogate: M8PFOA	89.7 %	50-200
Surrogate: M7PFUdA	82.9 %	50-200
Surrogate: M6PFDA	91.2 %	50-200
Surrogate: M5PFPeA	106 %	50-200
Surrogate: M5PFHxA	93.7 %	50-200
Surrogate: M4PFHpA	96.0 %	50-200
Surrogate: M3PFHxS	101 %	50-200





### Sample Information

**Client Sample ID:** Cleaners Pretreatment

**York Sample ID:** 24H0452-13

<u>York Project (SDG) No.</u> 24H0452	<u>Client Project ID</u> 406 Route 52 Carmel, New York	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> August 6, 2024 2:00 pm	<u>Date Received</u> 08/07/2024
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**PFAS, EPA 533 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 533

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3PFBS	92.0 %			50-200					
	Surrogate: M3HFPO-DA	80.8 %			50-200					
	Surrogate: M2-8:2 FTS	103 %			50-200					
	Surrogate: M2-6:2 FTS	121 %			50-200					
	Surrogate: M2-4:2 FTS	155 %			50-200					

### Sample Information

**Client Sample ID:** Cleaners Pretreatment (Field Blank)

**York Sample ID:** 24H0452-14

<u>York Project (SDG) No.</u> 24H0452	<u>Client Project ID</u> 406 Route 52 Carmel, New York	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> August 6, 2024 2:00 pm	<u>Date Received</u> 08/07/2024
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**PFAS, EPA 533 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 533

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
919005-14-4	ADONA	ND		ng/L	0.922	1	EPA 533 Certifications: NELAC-NY12058	08/14/2024 13:58	08/16/2024 22:56	JTG
756426-58-1	9CL-PF3ONS	ND		ng/L	0.922	1	EPA 533 Certifications: NELAC-NY12058	08/14/2024 13:58	08/16/2024 22:56	JTG
763051-92-9	11CL-PF3OUdS	ND		ng/L	0.922	1	EPA 533 Certifications: NELAC-NY12058	08/14/2024 13:58	08/16/2024 22:56	JTG
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	0.922	1	EPA 533 Certifications: NELAC-NY12058	08/14/2024 13:58	08/16/2024 22:56	JTG
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.922	1	EPA 533 Certifications: NELAC-NY12058	08/14/2024 13:58	08/16/2024 22:56	JTG
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.922	1	EPA 533 Certifications: NELAC-NY12058	08/14/2024 13:58	08/16/2024 22:56	JTG
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.922	1	EPA 533 Certifications: NELAC-NY12058	08/14/2024 13:58	08/16/2024 22:56	JTG
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.922	1	EPA 533 Certifications: NELAC-NY12058	08/14/2024 13:58	08/16/2024 22:56	JTG
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.922	1	EPA 533 Certifications: NELAC-NY12058	08/14/2024 13:58	08/16/2024 22:56	JTG
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.922	1	EPA 533 Certifications: NELAC-NY12058	08/14/2024 13:58	08/16/2024 22:56	JTG
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.922	1	EPA 533 Certifications: NELAC-NY12058	08/14/2024 13:58	08/16/2024 22:56	JTG
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.922	1	EPA 533 Certifications: NELAC-NY12058	08/14/2024 13:58	08/16/2024 22:56	JTG
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.922	1	EPA 533 Certifications: NELAC-NY12058	08/14/2024 13:58	08/16/2024 22:56	JTG



### Sample Information

**Client Sample ID:** Cleaners Pretreatment (Field Blank)

**York Sample ID:** 24H0452-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 2:00 pm

08/07/2024

**PFAS, EPA 533 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 533

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.922	1	EPA 533 Certifications: NELAC-NY12058	08/14/2024 13:58	08/16/2024 22:56	JTG
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	0.922	1	EPA 533 Certifications: NELAC-NY12058	08/14/2024 13:58	08/16/2024 22:56	JTG
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.922	1	EPA 533 Certifications: NELAC-NY12058	08/14/2024 13:58	08/16/2024 22:56	JTG
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.922	1	EPA 533 Certifications: NELAC-NY12058	08/14/2024 13:58	08/16/2024 22:56	JTG
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.84	1	EPA 533 Certifications: NELAC-NY12058	08/14/2024 13:58	08/16/2024 22:56	JTG
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.84	1	EPA 533 Certifications: NELAC-NY12058	08/14/2024 13:58	08/16/2024 22:56	JTG
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.84	1	EPA 533 Certifications: NELAC-NY12058	08/14/2024 13:58	08/16/2024 22:56	JTG
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.922	1	EPA 533 Certifications: NELAC-NY12058	08/14/2024 13:58	08/16/2024 22:56	JTG
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.922	1	EPA 533 Certifications: NELAC-NY12058	08/14/2024 13:58	08/16/2024 22:56	JTG
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.922	1	EPA 533 Certifications: NELAC-NY12058	08/14/2024 13:58	08/16/2024 22:56	JTG
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	0.922	1	EPA 533 Certifications: NELAC-NY12058	08/14/2024 13:58	08/16/2024 22:56	JTG
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.922	1	EPA 533 Certifications: NELAC-NY12058	08/14/2024 13:58	08/16/2024 22:56	JTG

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: MPFDoA	80.8 %	50-200
Surrogate: MPFBA	79.4 %	50-200
Surrogate: M9PFNA	83.2 %	50-200
Surrogate: M8PFOS	85.8 %	50-200
Surrogate: M8PFOA	86.5 %	50-200
Surrogate: M7PFUdA	86.5 %	50-200
Surrogate: M6PFDA	86.1 %	50-200
Surrogate: M5PFPeA	87.9 %	50-200
Surrogate: M5PFHxA	71.6 %	50-200
Surrogate: M4PFHpA	92.6 %	50-200
Surrogate: M3PFHxS	90.0 %	50-200
Surrogate: M3PFBS	88.0 %	50-200
Surrogate: M3HFPO-DA	76.4 %	50-200
Surrogate: M2-8:2 FTS	103 %	50-200
Surrogate: M2-6:2 FTS	101 %	50-200
Surrogate: M2-4:2 FTS	102 %	50-200



## Sample Information

**Client Sample ID:** Cleaners Midfluent

**York Sample ID:** 24H0452-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 2:00 pm

08/07/2024

**Volatile Organics, 524.2 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
108-86-1	Bromobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
74-97-5	Bromochloromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
75-25-2	Bromoform	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
74-83-9	Bromomethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
98-06-6	tert-Butylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
104-51-8	n-Butylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
135-98-8	sec-Butylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
108-90-7	Chlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
75-00-3	Chloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
67-66-3	Chloroform	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
74-87-3	Chloromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
95-49-8	2-Chlorotoluene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
106-43-4	4-Chlorotoluene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
74-95-3	Dibromomethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO



### Sample Information

**Client Sample ID:** Cleaners Midfluent

**York Sample ID:** 24H0452-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 2:00 pm

08/07/2024

**Volatile Organics, 524.2 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
75-09-2	Methylene chloride	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
91-20-3	Naphthalene	ND		ug/L	2.0	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
100-42-5	Styrene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
127-18-4	Tetrachloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
108-88-3	Toluene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO



### Sample Information

**Client Sample ID:** Cleaners Midfluent

**York Sample ID:** 24H0452-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 2:00 pm

08/07/2024

**Volatile Organics, 524.2 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
79-01-6	Trichloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO
95-47-6	* o-Xylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723	08/12/2024 08:00	08/12/2024 16:28	FO
179601-23-1	* p- & m- Xylenes	ND		ug/L	1.0	1	EPA 524.2 Certifications: CTDOH-PH-0723	08/12/2024 08:00	08/12/2024 16:28	FO
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 16:28	FO

**Surrogate Recoveries**

**Result**

**Acceptance Range**

17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	111 %	69-130
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.2 %	79-122
2037-26-5	Surrogate: SURR: Toluene-d8	98.3 %	81-117

### Sample Information

**Client Sample ID:** Cleaners Effluent

**York Sample ID:** 24H0452-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 2:00 pm

08/07/2024

**Volatile Organics, 524.2 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: Cleaners Effluent

York Sample ID: 24H0452-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 2:00 pm

08/07/2024

Volatile Organics, 524.2 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Benzene, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Bromomethane, tert-Butylbenzene, n-Butylbenzene, sec-Butylbenzene, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloromethane, 2-Chlorotoluene, 4-Chlorotoluene, Dibromochloromethane, Dibromomethane, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, Dichlorodifluoromethane, 1,2-Dichloroethane.



### Sample Information

**Client Sample ID:** Cleaners Effluent

**York Sample ID:** 24H0452-16

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 2:00 pm

08/07/2024

**Volatile Organics, 524.2 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
98-82-8	Isopropylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
75-09-2	Methylene chloride	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
91-20-3	Naphthalene	ND		ug/L	2.0	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
103-65-1	n-Propylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
100-42-5	Styrene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
127-18-4	Tetrachloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
108-88-3	Toluene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO



### Sample Information

**Client Sample ID:** Cleaners Effluent

**York Sample ID:** 24H0452-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H0452

406 Route 52 Carmel, New York

Drinking Water

August 6, 2024 2:00 pm

08/07/2024

**Volatile Organics, 524.2 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
79-01-6	Trichloroethylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
95-47-6	* o-Xylene	ND		ug/L	0.5	1	EPA 524.2 Certifications: CTDOH-PH-0723	08/12/2024 08:00	08/12/2024 17:00	FO
179601-23-1	* p- & m- Xylenes	ND		ug/L	1.0	1	EPA 524.2 Certifications: CTDOH-PH-0723	08/12/2024 08:00	08/12/2024 17:00	FO
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 524.2 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	08/12/2024 08:00	08/12/2024 17:00	FO
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	105 %	69-130							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.4 %	79-122							
2037-26-5	Surrogate: SURR: Toluene-d8	99.0 %	81-117							



### Analytical Batch Summary

**Batch ID:** BH40536                      **Preparation Method:** EPA 5030B                      **Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
24H0452-01	Trip Blank	08/08/24
BH40536-BLK1	Blank	08/08/24
BH40536-BS1	LCS	08/08/24
BH40536-BSD1	LCS Dup	08/08/24

**Batch ID:** BH40621                      **Preparation Method:** EPA 5030B                      **Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
24H0452-05	MW-8D	08/09/24
BH40621-BLK1	Blank	08/09/24
BH40621-BS1	LCS	08/09/24
BH40621-BSD1	LCS Dup	08/09/24
BH40621-MS1	Matrix Spike	08/09/24
BH40621-MSD1	Matrix Spike Dup	08/09/24

**Batch ID:** BH40650                      **Preparation Method:** EPA 5030B                      **Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
24H0452-02	MW-3S	08/09/24
24H0452-03	MW-3D	08/09/24
24H0452-07	Dup-01	08/09/24
BH40650-BLK1	Blank	08/09/24
BH40650-BS1	LCS	08/09/24
BH40650-BSD1	LCS Dup	08/09/24

**Batch ID:** BH40709                      **Preparation Method:** EPA 3535A                      **Prepared By:** moa

YORK Sample ID	Client Sample ID	Preparation Date
24H0452-03	MW-3D	08/12/24
24H0452-05	MW-8D	08/12/24
24H0452-07	Dup-01	08/12/24
BH40709-BLK1	Blank	08/12/24
BH40709-BS1	LCS	08/12/24
BH40709-MS1	Matrix Spike	08/12/24
BH40709-MSD1	Matrix Spike Dup	08/12/24

**Batch ID:** BH40732                      **Preparation Method:** EPA 5030B                      **Prepared By:** FO

YORK Sample ID	Client Sample ID	Preparation Date
24H0452-08	Salon Pretreatment	08/12/24
24H0452-10	Salon Midfluent 1	08/12/24
24H0452-11	Salon Midfluent 2	08/12/24
24H0452-12	Salon Effluent	08/12/24



24H0452-13	Cleaners Pretreatment	08/12/24
24H0452-15	Cleaners Midfluent	08/12/24
24H0452-16	Cleaners Effluent	08/12/24
BH40732-BS1	LCS	08/12/24

**Batch ID:** BH40803      **Preparation Method:** EPA 522      **Prepared By:** JJP

YORK Sample ID	Client Sample ID	Preparation Date
24H0452-08	Salon Pretreatment	08/13/24
24H0452-13	Cleaners Pretreatment	08/13/24
BH40803-BLK1	Blank	08/13/24
BH40803-BS1	LCS	08/13/24
BH40803-BS2	LCS	08/13/24

**Batch ID:** BH40817      **Preparation Method:** EPA 533      **Prepared By:** AJC

YORK Sample ID	Client Sample ID	Preparation Date
24H0452-08	Salon Pretreatment	08/13/24
24H0452-09	Salon Pretreatment (Field Blank)	08/13/24
24H0452-13	Cleaners Pretreatment	08/13/24

**Batch ID:** BH40819      **Preparation Method:** EPA 5030B      **Prepared By:** FO

YORK Sample ID	Client Sample ID	Preparation Date
24H0452-08RE1	Salon Pretreatment	08/12/24
BH40819-BS1	LCS	08/13/24
BH40819-BSD1	LCS Dup	08/13/24

**Batch ID:** BH40921      **Preparation Method:** EPA 533      **Prepared By:** AJC

YORK Sample ID	Client Sample ID	Preparation Date
24H0452-14	Cleaners Pretreatment (Field Bl	08/14/24
BH40921-BLK1	Blank	08/14/24
BH40921-BS1	LCS	08/14/24
BH40921-MS1	Matrix Spike	08/14/24

**Batch ID:** BH40944      **Preparation Method:** EPA 1633 Prep      **Prepared By:** DRF

YORK Sample ID	Client Sample ID	Preparation Date
24H0452-03	MW-3D	08/14/24
24H0452-04	MW-3D Field Blank	08/14/24
24H0452-05	MW-8D	08/14/24
24H0452-06	MW-8D Field Blank	08/14/24
24H0452-07	Dup-01	08/14/24
BH40944-BLK1	Blank	08/14/24
BH40944-BS1	LCS	08/14/24
BH40944-BS2	LCS	08/14/24
BH40944-MS1	Matrix Spike	08/14/24



BH40944-MSD1

Matrix Spike Dup

08/14/24

**Batch ID:** BH41186

**Preparation Method:** EPA 533

**Prepared By:** AJC

YORK Sample ID	Client Sample ID	Preparation Date
24H0452-08RE1	Salon Pretreatment	08/19/24
24H0452-09RE1	Salon Pretreatment (Field Blank	08/19/24
24H0452-13RE1	Cleaners Pretreatment	08/19/24
BH41186-BLK1	Blank	08/19/24
BH41186-BS1	LCS	08/19/24



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH40536 - EPA 5030B**

**Blank (BH40536-BLK1)**

Prepared & Analyzed: 08/08/2024

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH40536 - EPA 5030B**

**Blank (BH40536-BLK1)**

Prepared & Analyzed: 08/08/2024

Methylcyclohexane	ND	0.500	ug/L								
Methylene chloride	0.790	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								

Surrogate: SURR: 1,2-Dichloroethane-d4	9.36		"	10.0		93.6	69-130				
Surrogate: SURR: Toluene-d8	9.82		"	10.0		98.2	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.82		"	10.0		98.2	79-122				

**LCS (BH40536-BS1)**

Prepared & Analyzed: 08/08/2024

1,1,1,2-Tetrachloroethane	9.36		ug/L	10.0		93.6	82-126				
1,1,1-Trichloroethane	9.72		"	10.0		97.2	78-136				
1,1,2,2-Tetrachloroethane	11.6		"	10.0		116	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	54-165				
1,1,2-Trichloroethane	9.43		"	10.0		94.3	82-123				
1,1-Dichloroethane	9.44		"	10.0		94.4	82-129				
1,1-Dichloroethylene	10.3		"	10.0		103	68-138				
1,2,3-Trichlorobenzene	8.76		"	10.0		87.6	76-136				
1,2,3-Trichloropropane	9.21		"	10.0		92.1	77-128				
1,2,4-Trichlorobenzene	9.37		"	10.0		93.7	76-137				
1,2,4-Trimethylbenzene	9.58		"	10.0		95.8	82-132				
1,2-Dibromo-3-chloropropane	8.80		"	10.0		88.0	45-147				
1,2-Dibromoethane	9.59		"	10.0		95.9	83-124				
1,2-Dichlorobenzene	9.10		"	10.0		91.0	79-123				
1,2-Dichloroethane	9.02		"	10.0		90.2	73-132				
1,2-Dichloropropane	9.19		"	10.0		91.9	78-126				
1,3,5-Trimethylbenzene	9.42		"	10.0		94.2	80-131				
1,3-Dichlorobenzene	9.05		"	10.0		90.5	86-122				
1,3-Dichloropropane	9.10		"	10.0		91.0	81-125				
1,4-Dichlorobenzene	9.07		"	10.0		90.7	85-124				
1,4-Dioxane	208		"	210		99.1	10-349				
2-Butanone	9.29		"	10.0		92.9	49-152				
2-Hexanone	8.09		"	10.0		80.9	51-146				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Limit	Flag
		Limit			Result					RPD		
<b>Batch BH40536 - EPA 5030B</b>												
<b>LCS (BH40536-BS1)</b>											Prepared & Analyzed: 08/08/2024	
4-Methyl-2-pentanone	9.06		ug/L	10.0		90.6		57-145				
Acetone	15.5		"	10.0		155		14-150	High Bias			
Acrolein	3.79		"	10.0		37.9		10-153				
Acrylonitrile	10.3		"	10.0		103		51-150				
Benzene	10.4		"	10.0		104		85-126				
Bromochloromethane	9.13		"	10.0		91.3		77-128				
Bromodichloromethane	9.16		"	10.0		91.6		79-128				
Bromoform	9.04		"	10.0		90.4		78-133				
Bromomethane	7.05		"	10.0		70.5		43-168				
Carbon disulfide	11.6		"	10.0		116		68-146				
Carbon tetrachloride	10.1		"	10.0		101		77-141				
Chlorobenzene	9.62		"	10.0		96.2		88-120				
Chloroethane	9.97		"	10.0		99.7		65-136				
Chloroform	9.51		"	10.0		95.1		82-128				
Chloromethane	9.17		"	10.0		91.7		43-155				
cis-1,2-Dichloroethylene	9.89		"	10.0		98.9		83-129				
cis-1,3-Dichloropropylene	9.29		"	10.0		92.9		80-131				
Cyclohexane	10.2		"	10.0		102		63-149				
Dibromochloromethane	9.73		"	10.0		97.3		80-130				
Dibromomethane	8.99		"	10.0		89.9		72-134				
Dichlorodifluoromethane	8.50		"	10.0		85.0		44-144				
Ethyl Benzene	9.58		"	10.0		95.8		80-131				
Hexachlorobutadiene	10.2		"	10.0		102		67-146				
Isopropylbenzene	9.60		"	10.0		96.0		76-140				
Methyl acetate	8.20		"	10.0		82.0		51-139				
Methyl tert-butyl ether (MTBE)	9.76		"	10.0		97.6		76-135				
Methylcyclohexane	9.59		"	10.0		95.9		72-143				
Methylene chloride	9.54		"	10.0		95.4		55-137				
Naphthalene	8.87		"	10.0		88.7		70-147				
n-Butylbenzene	9.17		"	10.0		91.7		79-132				
n-Propylbenzene	9.29		"	10.0		92.9		78-133				
o-Xylene	9.26		"	10.0		92.6		78-130				
p- & m- Xylenes	19.1		"	20.0		95.6		77-133				
p-Diethylbenzene	9.50		"	10.0		95.0		84-134				
p-Ethyltoluene	9.72		"	10.0		97.2		88-129				
p-Isopropyltoluene	9.35		"	10.0		93.5		81-136				
sec-Butylbenzene	9.21		"	10.0		92.1		79-137				
Styrene	9.62		"	10.0		96.2		67-132				
tert-Butyl alcohol (TBA)	47.5		"	50.0		95.0		25-162				
tert-Butylbenzene	9.12		"	10.0		91.2		77-138				
Tetrachloroethylene	4.92		"	10.0		49.2		82-131	Low Bias			
Toluene	9.70		"	10.0		97.0		80-127				
trans-1,2-Dichloroethylene	9.99		"	10.0		99.9		80-132				
trans-1,3-Dichloropropylene	9.12		"	10.0		91.2		78-131				
Trichloroethylene	8.08		"	10.0		80.8		82-128	Low Bias			
Trichlorofluoromethane	9.58		"	10.0		95.8		67-139				
Vinyl Chloride	9.87		"	10.0		98.7		58-145				
Surrogate: SURRE: 1,2-Dichloroethane-d4	9.23		"	10.0		92.3		69-130				
Surrogate: SURRE: Toluene-d8	9.86		"	10.0		98.6		81-117				
Surrogate: SURRE: p-Bromofluorobenzene	9.95		"	10.0		99.5		79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH40536 - EPA 5030B</b>											
<b>LCS Dup (BH40536-BSD1)</b>											
Prepared & Analyzed: 08/08/2024											
1,1,1,2-Tetrachloroethane	8.79		ug/L	10.0		87.9	82-126		6.28	30	
1,1,1-Trichloroethane	8.98		"	10.0		89.8	78-136		7.91	30	
1,1,2,2-Tetrachloroethane	11.3		"	10.0		113	76-129		3.06	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0		109	54-165		3.16	30	
1,1,2-Trichloroethane	9.10		"	10.0		91.0	82-123		3.56	30	
1,1-Dichloroethane	9.71		"	10.0		97.1	82-129		2.82	30	
1,1-Dichloroethylene	10.7		"	10.0		107	68-138		3.52	30	
1,2,3-Trichlorobenzene	8.92		"	10.0		89.2	76-136		1.81	30	
1,2,3-Trichloropropane	8.93		"	10.0		89.3	77-128		3.09	30	
1,2,4-Trichlorobenzene	9.35		"	10.0		93.5	76-137		0.214	30	
1,2,4-Trimethylbenzene	9.23		"	10.0		92.3	82-132		3.72	30	
1,2-Dibromo-3-chloropropane	8.50		"	10.0		85.0	45-147		3.47	30	
1,2-Dibromoethane	9.12		"	10.0		91.2	83-124		5.02	30	
1,2-Dichlorobenzene	8.82		"	10.0		88.2	79-123		3.13	30	
1,2-Dichloroethane	8.53		"	10.0		85.3	73-132		5.58	30	
1,2-Dichloropropane	8.67		"	10.0		86.7	78-126		5.82	30	
1,3,5-Trimethylbenzene	9.06		"	10.0		90.6	80-131		3.90	30	
1,3-Dichlorobenzene	8.73		"	10.0		87.3	86-122		3.60	30	
1,3-Dichloropropane	8.68		"	10.0		86.8	81-125		4.72	30	
1,4-Dichlorobenzene	8.77		"	10.0		87.7	85-124		3.36	30	
1,4-Dioxane	208		"	210		99.0	10-349		0.144	30	
2-Butanone	9.67		"	10.0		96.7	49-152		4.01	30	
2-Hexanone	7.93		"	10.0		79.3	51-146		2.00	30	
4-Methyl-2-pentanone	8.70		"	10.0		87.0	57-145		4.05	30	
Acetone	17.0		"	10.0		170	14-150	High Bias	8.86	30	
Acrolein	4.18		"	10.0		41.8	10-153		9.79	30	
Acrylonitrile	10.3		"	10.0		103	51-150		0.485	30	
Benzene	9.72		"	10.0		97.2	85-126		6.95	30	
Bromochloromethane	8.60		"	10.0		86.0	77-128		5.98	30	
Bromodichloromethane	8.67		"	10.0		86.7	79-128		5.50	30	
Bromoform	8.57		"	10.0		85.7	78-133		5.34	30	
Bromomethane	6.76		"	10.0		67.6	43-168		4.20	30	
Carbon disulfide	11.8		"	10.0		118	68-146		1.03	30	
Carbon tetrachloride	9.27		"	10.0		92.7	77-141		8.27	30	
Chlorobenzene	9.12		"	10.0		91.2	88-120		5.34	30	
Chloroethane	9.64		"	10.0		96.4	65-136		3.37	30	
Chloroform	8.88		"	10.0		88.8	82-128		6.85	30	
Chloromethane	8.48		"	10.0		84.8	43-155		7.82	30	
cis-1,2-Dichloroethylene	9.85		"	10.0		98.5	83-129		0.405	30	
cis-1,3-Dichloropropylene	8.73		"	10.0		87.3	80-131		6.22	30	
Cyclohexane	9.33		"	10.0		93.3	63-149		8.91	30	
Dibromochloromethane	9.25		"	10.0		92.5	80-130		5.06	30	
Dibromomethane	8.51		"	10.0		85.1	72-134		5.49	30	
Dichlorodifluoromethane	7.75		"	10.0		77.5	44-144		9.23	30	
Ethyl Benzene	9.05		"	10.0		90.5	80-131		5.69	30	
Hexachlorobutadiene	9.55		"	10.0		95.5	67-146		6.88	30	
Isopropylbenzene	9.20		"	10.0		92.0	76-140		4.26	30	
Methyl acetate	8.91		"	10.0		89.1	51-139		8.30	30	
Methyl tert-butyl ether (MTBE)	10.3		"	10.0		103	76-135		5.29	30	
Methylcyclohexane	8.91		"	10.0		89.1	72-143		7.35	30	



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH40536 - EPA 5030B**

**LCS Dup (BH40536-BSD1)**

Prepared & Analyzed: 08/08/2024

Methylene chloride	10.1		ug/L	10.0		101	55-137		5.70	30	
Naphthalene	9.00		"	10.0		90.0	70-147		1.45	30	
n-Butylbenzene	8.83		"	10.0		88.3	79-132		3.78	30	
n-Propylbenzene	8.94		"	10.0		89.4	78-133		3.84	30	
o-Xylene	8.80		"	10.0		88.0	78-130		5.09	30	
p- & m- Xylenes	18.1		"	20.0		90.4	77-133		5.54	30	
p-Diethylbenzene	9.15		"	10.0		91.5	84-134		3.75	30	
p-Ethyltoluene	9.32		"	10.0		93.2	88-129		4.20	30	
p-Isopropyltoluene	8.99		"	10.0		89.9	81-136		3.93	30	
sec-Butylbenzene	8.90		"	10.0		89.0	79-137		3.42	30	
Styrene	9.12		"	10.0		91.2	67-132		5.34	30	
tert-Butyl alcohol (TBA)	50.7		"	50.0		101	25-162		6.40	30	
tert-Butylbenzene	8.80		"	10.0		88.0	77-138		3.57	30	
Tetrachloroethylene	4.61		"	10.0		46.1	82-131	Low Bias	6.51	30	
Toluene	9.15		"	10.0		91.5	80-127		5.84	30	
trans-1,2-Dichloroethylene	10.2		"	10.0		102	80-132		1.98	30	
trans-1,3-Dichloropropylene	8.66		"	10.0		86.6	78-131		5.17	30	
Trichloroethylene	7.64		"	10.0		76.4	82-128	Low Bias	5.60	30	
Trichlorofluoromethane	9.44		"	10.0		94.4	67-139		1.47	30	
Vinyl Chloride	8.80		"	10.0		88.0	58-145		11.5	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.21		"	10.0		92.1	69-130				
Surrogate: SURR: Toluene-d8	9.79		"	10.0		97.9	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.91		"	10.0		99.1	79-122				

**Batch BH40621 - EPA 5030B**

**Blank (BH40621-BLK1)**

Prepared & Analyzed: 08/09/2024

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	Limits	Flag	RPD	RPD	Flag
		Limit			Result	%REC				Limit	

**Batch BH40621 - EPA 5030B**

**Blank (BH40621-BLK1)**

Prepared & Analyzed: 08/09/2024

Acetone	ND	2.00	ug/L								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								

Surrogate: SURRE: 1,2-Dichloroethane-d4	9.44	"	10.0	94.4	69-130
Surrogate: SURRE: Toluene-d8	9.93	"	10.0	99.3	81-117
Surrogate: SURRE: p-Bromofluorobenzene	10.7	"	10.0	107	79-122



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	RPD	Flag
		Limit			Result					Limit	
<b>Batch BH40621 - EPA 5030B</b>											
<b>LCS (BH40621-BS1)</b>											
Prepared & Analyzed: 08/09/2024											
1,1,1,2-Tetrachloroethane	8.87		ug/L	10.0		88.7	82-126				
1,1,1-Trichloroethane	9.02		"	10.0		90.2	78-136				
1,1,2,2-Tetrachloroethane	11.9		"	10.0		119	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.93		"	10.0		99.3	54-165				
1,1,2-Trichloroethane	9.03		"	10.0		90.3	82-123				
1,1-Dichloroethane	8.96		"	10.0		89.6	82-129				
1,1-Dichloroethylene	9.80		"	10.0		98.0	68-138				
1,2,3-Trichlorobenzene	7.69		"	10.0		76.9	76-136				
1,2,3-Trichloropropane	9.43		"	10.0		94.3	77-128				
1,2,4-Trichlorobenzene	8.40		"	10.0		84.0	76-137				
1,2,4-Trimethylbenzene	9.67		"	10.0		96.7	82-132				
1,2-Dibromo-3-chloropropane	8.79		"	10.0		87.9	45-147				
1,2-Dibromoethane	9.15		"	10.0		91.5	83-124				
1,2-Dichlorobenzene	8.82		"	10.0		88.2	79-123				
1,2-Dichloroethane	8.62		"	10.0		86.2	73-132				
1,2-Dichloropropane	9.26		"	10.0		92.6	78-126				
1,3,5-Trimethylbenzene	9.56		"	10.0		95.6	80-131				
1,3-Dichlorobenzene	8.74		"	10.0		87.4	86-122				
1,3-Dichloropropane	9.02		"	10.0		90.2	81-125				
1,4-Dichlorobenzene	8.78		"	10.0		87.8	85-124				
1,4-Dioxane	209		"	210		99.6	10-349				
2-Butanone	8.88		"	10.0		88.8	49-152				
2-Hexanone	8.25		"	10.0		82.5	51-146				
4-Methyl-2-pentanone	9.26		"	10.0		92.6	57-145				
Acetone	15.2		"	10.0		152	14-150	High Bias			
Acrolein	3.70		"	10.0		37.0	10-153				
Acrylonitrile	9.51		"	10.0		95.1	51-150				
Benzene	9.67		"	10.0		96.7	85-126				
Bromochloromethane	8.83		"	10.0		88.3	77-128				
Bromodichloromethane	9.06		"	10.0		90.6	79-128				
Bromoform	8.15		"	10.0		81.5	78-133				
Bromomethane	4.73		"	10.0		47.3	43-168				
Carbon disulfide	10.5		"	10.0		105	68-146				
Carbon tetrachloride	9.22		"	10.0		92.2	77-141				
Chlorobenzene	9.10		"	10.0		91.0	88-120				
Chloroethane	8.51		"	10.0		85.1	65-136				
Chloroform	8.85		"	10.0		88.5	82-128				
Chloromethane	7.83		"	10.0		78.3	43-155				
cis-1,2-Dichloroethylene	9.19		"	10.0		91.9	83-129				
cis-1,3-Dichloropropylene	9.06		"	10.0		90.6	80-131				
Cyclohexane	9.62		"	10.0		96.2	63-149				
Dibromochloromethane	9.16		"	10.0		91.6	80-130				
Dibromomethane	8.83		"	10.0		88.3	72-134				
Dichlorodifluoromethane	7.28		"	10.0		72.8	44-144				
Ethyl Benzene	9.48		"	10.0		94.8	80-131				
Hexachlorobutadiene	8.61		"	10.0		86.1	67-146				
Isopropylbenzene	9.73		"	10.0		97.3	76-140				
Methyl acetate	8.08		"	10.0		80.8	51-139				
Methyl tert-butyl ether (MTBE)	9.22		"	10.0		92.2	76-135				
Methylcyclohexane	9.45		"	10.0		94.5	72-143				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH40621 - EPA 5030B</b>											
<b>LCS (BH40621-BS1)</b>											
						Prepared & Analyzed: 08/09/2024					
Methylene chloride	9.84		ug/L	10.0		98.4	55-137				
Naphthalene	7.98		"	10.0		79.8	70-147				
n-Butylbenzene	9.45		"	10.0		94.5	79-132				
n-Propylbenzene	9.64		"	10.0		96.4	78-133				
o-Xylene	9.16		"	10.0		91.6	78-130				
p- & m- Xylenes	19.0		"	20.0		95.0	77-133				
p-Diethylbenzene	9.64		"	10.0		96.4	84-134				
p-Ethyltoluene	9.97		"	10.0		99.7	88-129				
p-Isopropyltoluene	9.42		"	10.0		94.2	81-136				
sec-Butylbenzene	9.30		"	10.0		93.0	79-137				
Styrene	9.20		"	10.0		92.0	67-132				
tert-Butyl alcohol (TBA)	45.0		"	50.0		90.1	25-162				
tert-Butylbenzene	9.10		"	10.0		91.0	77-138				
Tetrachloroethylene	4.42		"	10.0		44.2	82-131	Low Bias			
Toluene	9.44		"	10.0		94.4	80-127				
trans-1,2-Dichloroethylene	9.25		"	10.0		92.5	80-132				
trans-1,3-Dichloropropylene	9.02		"	10.0		90.2	78-131				
Trichloroethylene	7.92		"	10.0		79.2	82-128	Low Bias			
Trichlorofluoromethane	8.62		"	10.0		86.2	67-139				
Vinyl Chloride	8.55		"	10.0		85.5	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.28		"	10.0		92.8	69-130				
Surrogate: SURR: Toluene-d8	9.90		"	10.0		99.0	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.6		"	10.0		106	79-122				
<b>LCS Dup (BH40621-bsd1)</b>											
						Prepared & Analyzed: 08/09/2024					
1,1,1,2-Tetrachloroethane	9.37		ug/L	10.0		93.7	82-126		5.48		30
1,1,1-Trichloroethane	9.62		"	10.0		96.2	78-136		6.44		30
1,1,2,2-Tetrachloroethane	12.6		"	10.0		126	76-129		4.98		30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3		"	10.0		103	54-165		4.05		30
1,1,2-Trichloroethane	9.50		"	10.0		95.0	82-123		5.07		30
1,1-Dichloroethane	9.59		"	10.0		95.9	82-129		6.79		30
1,1-Dichloroethylene	10.5		"	10.0		105	68-138		6.52		30
1,2,3-Trichlorobenzene	8.73		"	10.0		87.3	76-136		12.7		30
1,2,3-Trichloropropane	9.84		"	10.0		98.4	77-128		4.26		30
1,2,4-Trichlorobenzene	8.97		"	10.0		89.7	76-137		6.56		30
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132		5.43		30
1,2-Dibromo-3-chloropropane	9.51		"	10.0		95.1	45-147		7.87		30
1,2-Dibromoethane	9.68		"	10.0		96.8	83-124		5.63		30
1,2-Dichlorobenzene	9.34		"	10.0		93.4	79-123		5.73		30
1,2-Dichloroethane	9.21		"	10.0		92.1	73-132		6.62		30
1,2-Dichloropropane	9.72		"	10.0		97.2	78-126		4.85		30
1,3,5-Trimethylbenzene	10.1		"	10.0		101	80-131		5.89		30
1,3-Dichlorobenzene	9.25		"	10.0		92.5	86-122		5.67		30
1,3-Dichloropropane	9.58		"	10.0		95.8	81-125		6.02		30
1,4-Dichlorobenzene	9.25		"	10.0		92.5	85-124		5.21		30
1,4-Dioxane	223		"	210		106	10-349		6.17		30
2-Butanone	9.20		"	10.0		92.0	49-152		3.54		30
2-Hexanone	8.75		"	10.0		87.5	51-146		5.88		30
4-Methyl-2-pentanone	9.71		"	10.0		97.1	57-145		4.74		30
Acetone	16.3		"	10.0		163	14-150	High Bias	7.44		30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH40621 - EPA 5030B

LCS Dup (BH40621-BSD1)

Prepared & Analyzed: 08/09/2024

Acrolein	3.69		ug/L	10.0		36.9	10-153		0.271	30	
Acrylonitrile	10.0		"	10.0		100	51-150		5.32	30	
Benzene	10.3		"	10.0		103	85-126		6.50	30	
Bromochloromethane	9.46		"	10.0		94.6	77-128		6.89	30	
Bromodichloromethane	9.67		"	10.0		96.7	79-128		6.51	30	
Bromoform	8.57		"	10.0		85.7	78-133		5.02	30	
Bromomethane	5.32		"	10.0		53.2	43-168		11.7	30	
Carbon disulfide	11.3		"	10.0		113	68-146		7.33	30	
Carbon tetrachloride	9.89		"	10.0		98.9	77-141		7.01	30	
Chlorobenzene	9.62		"	10.0		96.2	88-120		5.56	30	
Chloroethane	9.17		"	10.0		91.7	65-136		7.47	30	
Chloroform	9.46		"	10.0		94.6	82-128		6.66	30	
Chloromethane	9.01		"	10.0		90.1	43-155		14.0	30	
cis-1,2-Dichloroethylene	9.51		"	10.0		95.1	83-129		3.42	30	
cis-1,3-Dichloropropylene	9.20		"	10.0		92.0	80-131		1.53	30	
Cyclohexane	10.2		"	10.0		102	63-149		5.56	30	
Dibromochloromethane	9.74		"	10.0		97.4	80-130		6.14	30	
Dibromomethane	9.36		"	10.0		93.6	72-134		5.83	30	
Dichlorodifluoromethane	8.43		"	10.0		84.3	44-144		14.6	30	
Ethyl Benzene	10.0		"	10.0		100	80-131		5.44	30	
Hexachlorobutadiene	8.81		"	10.0		88.1	67-146		2.30	30	
Isopropylbenzene	10.3		"	10.0		103	76-140		5.98	30	
Methyl acetate	7.76		"	10.0		77.6	51-139		4.04	30	
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	76-135		8.32	30	
Methylcyclohexane	9.74		"	10.0		97.4	72-143		3.02	30	
Methylene chloride	12.0		"	10.0		120	55-137		20.0	30	
Naphthalene	9.21		"	10.0		92.1	70-147		14.3	30	
n-Butylbenzene	9.75		"	10.0		97.5	79-132		3.13	30	
n-Propylbenzene	10.2		"	10.0		102	78-133		5.35	30	
o-Xylene	9.67		"	10.0		96.7	78-130		5.42	30	
p- & m- Xylenes	20.1		"	20.0		101	77-133		5.68	30	
p-Diethylbenzene	9.92		"	10.0		99.2	84-134		2.86	30	
p-Ethyltoluene	10.5		"	10.0		105	88-129		4.80	30	
p-Isopropyltoluene	9.89		"	10.0		98.9	81-136		4.87	30	
sec-Butylbenzene	9.93		"	10.0		99.3	79-137		6.55	30	
Styrene	9.64		"	10.0		96.4	67-132		4.67	30	
tert-Butyl alcohol (TBA)	50.2		"	50.0		100	25-162		10.8	30	
tert-Butylbenzene	9.78		"	10.0		97.8	77-138		7.20	30	
Tetrachloroethylene	4.60		"	10.0		46.0	82-131	Low Bias	3.99	30	
Toluene	9.95		"	10.0		99.5	80-127		5.26	30	
trans-1,2-Dichloroethylene	9.90		"	10.0		99.0	80-132		6.79	30	
trans-1,3-Dichloropropylene	9.14		"	10.0		91.4	78-131		1.32	30	
Trichloroethylene	8.36		"	10.0		83.6	82-128		5.41	30	
Trichlorofluoromethane	9.26		"	10.0		92.6	67-139		7.16	30	
Vinyl Chloride	9.53		"	10.0		95.3	58-145		10.8	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.33		"	10.0		93.3	69-130				
Surrogate: SURR: Toluene-d8	9.97		"	10.0		99.7	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.6		"	10.0		106	79-122				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BH40621 - EPA 5030B</b>												
<b>Matrix Spike (BH40621-MS1)</b>	*Source sample: 24H0452-05 (MW-8D)						Prepared & Analyzed: 08/09/2024					
1,1,1,2-Tetrachloroethane	11.4		ug/L	10.0	0.00	114	45-161					
1,1,1-Trichloroethane	11.6		"	10.0	0.00	116	70-146					
1,1,2,2-Tetrachloroethane	14.9		"	10.0	0.00	149	74-121	High Bias				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0	0.00	109	21-217					
1,1,2-Trichloroethane	11.3		"	10.0	0.00	113	59-146					
1,1-Dichloroethane	11.6		"	10.0	0.00	116	54-146					
1,1-Dichloroethylene	12.4		"	10.0	0.00	124	44-165					
1,2,3-Trichlorobenzene	9.40		"	10.0	0.00	94.0	40-161					
1,2,3-Trichloropropane	11.7		"	10.0	0.00	117	74-127					
1,2,4-Trichlorobenzene	9.76		"	10.0	0.00	97.6	41-161					
1,2,4-Trimethylbenzene	11.8		"	10.0	0.00	118	72-129					
1,2-Dibromo-3-chloropropane	11.2		"	10.0	0.00	112	31-151					
1,2-Dibromoethane	11.6		"	10.0	0.00	116	75-125					
1,2-Dichlorobenzene	10.7		"	10.0	0.00	107	63-122					
1,2-Dichloroethane	10.8		"	10.0	0.00	108	68-131					
1,2-Dichloropropane	11.8		"	10.0	0.00	118	77-121					
1,3,5-Trimethylbenzene	11.6		"	10.0	0.00	116	69-126					
1,3-Dichlorobenzene	10.6		"	10.0	0.00	106	74-119					
1,3-Dichloropropane	11.3		"	10.0	0.00	113	77-119					
1,4-Dichlorobenzene	10.5		"	10.0	0.00	105	70-124					
1,4-Dioxane	265		"	210	0.00	126	10-310					
2-Butanone	11.1		"	10.0	0.00	111	10-193					
2-Hexanone	10.4		"	10.0	0.00	104	53-133					
4-Methyl-2-pentanone	11.6		"	10.0	0.00	116	38-150					
Acetone	19.9		"	10.0	0.240	197	13-149	High Bias				
Acrolein	3.60		"	10.0	0.00	36.0	10-195					
Acrylonitrile	11.8		"	10.0	0.00	118	37-165					
Benzene	12.4		"	10.0	0.00	124	38-155					
Bromochloromethane	11.2		"	10.0	0.00	112	75-121					
Bromodichloromethane	11.5		"	10.0	0.00	115	70-129					
Bromoform	10.3		"	10.0	0.00	103	66-136					
Bromomethane	3.06		"	10.0	0.00	30.6	30-158					
Carbon disulfide	13.3		"	10.0	0.00	133	10-138					
Carbon tetrachloride	11.8		"	10.0	0.00	118	71-146					
Chlorobenzene	11.4		"	10.0	0.00	114	81-117					
Chloroethane	10.7		"	10.0	0.00	107	51-145					
Chloroform	11.4		"	10.0	0.00	114	80-124					
Chloromethane	9.45		"	10.0	0.00	94.5	16-163					
cis-1,2-Dichloroethylene	11.6		"	10.0	0.00	116	76-125					
cis-1,3-Dichloropropylene	11.2		"	10.0	0.00	112	58-131					
Cyclohexane	11.6		"	10.0	0.00	116	70-130					
Dibromochloromethane	11.6		"	10.0	0.00	116	71-129					
Dibromomethane	11.1		"	10.0	0.00	111	76-120					
Dichlorodifluoromethane	8.29		"	10.0	0.00	82.9	30-147					
Ethyl Benzene	11.9		"	10.0	0.00	119	72-128					
Hexachlorobutadiene	9.53		"	10.0	0.00	95.3	34-166					
Isopropylbenzene	12.2		"	10.0	0.00	122	66-139					
Methyl acetate	9.96		"	10.0	0.00	99.6	10-200					
Methyl tert-butyl ether (MTBE)	11.8		"	10.0	0.00	118	75-128					
Methylcyclohexane	10.3		"	10.0	0.00	103	70-130					



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH40621 - EPA 5030B</b>											
<b>Matrix Spike (BH40621-MS1)</b>		*Source sample: 24H0452-05 (MW-8D)				Prepared & Analyzed: 08/09/2024					
Methylene chloride	11.0		ug/L	10.0	0.00	110	57-128				
Naphthalene	10.7		"	10.0	0.730	100	39-158				
n-Butylbenzene	10.6		"	10.0	0.00	106	61-138				
n-Propylbenzene	11.6		"	10.0	0.00	116	66-134				
o-Xylene	11.5		"	10.0	0.00	115	69-126				
p- & m- Xylenes	23.6		"	20.0	0.00	118	67-130				
p-Diethylbenzene	11.0		"	10.0	0.00	110	52-150				
p-Ethyltoluene	12.0		"	10.0	0.00	120	76-127				
p-Isopropyltoluene	11.3		"	10.0	0.00	113	64-137				
sec-Butylbenzene	11.5		"	10.0	0.00	115	53-155				
Styrene	11.4		"	10.0	0.00	114	69-125				
tert-Butyl alcohol (TBA)	58.4		"	50.0	0.00	117	10-130				
tert-Butylbenzene	11.7		"	10.0	0.00	117	65-139				
Tetrachloroethylene	6.03		"	10.0	0.720	53.1	64-139	Low Bias			
Toluene	11.9		"	10.0	0.00	119	76-123				
trans-1,2-Dichloroethylene	11.8		"	10.0	0.00	118	79-131				
trans-1,3-Dichloropropylene	11.1		"	10.0	0.00	111	55-130				
Trichloroethylene	10.1		"	10.0	0.00	101	53-145				
Trichlorofluoromethane	10.4		"	10.0	0.00	104	61-142				
Vinyl Chloride	10.7		"	10.0	0.00	107	31-165				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.18		"	10.0		91.8	69-130				
Surrogate: SURR: Toluene-d8	9.89		"	10.0		98.9	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.6		"	10.0		106	79-122				
<b>Matrix Spike Dup (BH40621-MSD1)</b>		*Source sample: 24H0452-05 (MW-8D)				Prepared & Analyzed: 08/09/2024					
1,1,1,2-Tetrachloroethane	12.3		ug/L	10.0	0.00	123	45-161		8.01	30	
1,1,1-Trichloroethane	12.4		"	10.0	0.00	124	70-146		6.56	30	
1,1,2,2-Tetrachloroethane	16.0		"	10.0	0.00	160	74-121	High Bias	7.12	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.6		"	10.0	0.00	116	21-217		6.30	30	
1,1,2-Trichloroethane	12.1		"	10.0	0.00	121	59-146		7.19	30	
1,1-Dichloroethane	12.2		"	10.0	0.00	122	54-146		4.89	30	
1,1-Dichloroethylene	13.2		"	10.0	0.00	132	44-165		6.72	30	
1,2,3-Trichlorobenzene	11.3		"	10.0	0.00	113	40-161		18.2	30	
1,2,3-Trichloropropane	12.4		"	10.0	0.00	124	74-127		6.05	30	
1,2,4-Trichlorobenzene	11.8		"	10.0	0.00	118	41-161		19.1	30	
1,2,4-Trimethylbenzene	13.4		"	10.0	0.00	134	72-129	High Bias	12.9	30	
1,2-Dibromo-3-chloropropane	12.5		"	10.0	0.00	125	31-151		10.9	30	
1,2-Dibromoethane	12.4		"	10.0	0.00	124	75-125		6.76	30	
1,2-Dichlorobenzene	12.2		"	10.0	0.00	122	63-122		12.7	30	
1,2-Dichloroethane	11.4		"	10.0	0.00	114	68-131		4.77	30	
1,2-Dichloropropane	12.6		"	10.0	0.00	126	77-121	High Bias	7.21	30	
1,3,5-Trimethylbenzene	13.2		"	10.0	0.00	132	69-126	High Bias	12.6	30	
1,3-Dichlorobenzene	12.2		"	10.0	0.00	122	74-119	High Bias	14.3	30	
1,3-Dichloropropane	12.0		"	10.0	0.00	120	77-119	High Bias	6.17	30	
1,4-Dichlorobenzene	12.1		"	10.0	0.00	121	70-124		14.3	30	
1,4-Dioxane	282		"	210	0.00	134	10-310		6.06	30	
2-Butanone	11.6		"	10.0	0.00	116	10-193		4.77	30	
2-Hexanone	11.2		"	10.0	0.00	112	53-133		7.67	30	
4-Methyl-2-pentanone	12.2		"	10.0	0.00	122	38-150		5.62	30	
Acetone	20.7		"	10.0	0.240	204	13-149	High Bias	3.70	30	



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH40621 - EPA 5030B</b>											
<b>Matrix Spike Dup (BH40621-MSD1)</b>	*Source sample: 24H0452-05 (MW-8D)					Prepared & Analyzed: 08/09/2024					
Acrolein	4.19		ug/L	10.0	0.00	41.9	10-195		15.1	30	
Acrylonitrile	12.7		"	10.0	0.00	127	37-165		7.77	30	
Benzene	13.2		"	10.0	0.00	132	38-155		6.24	30	
Bromochloromethane	11.6		"	10.0	0.00	116	75-121		4.04	30	
Bromodichloromethane	12.3		"	10.0	0.00	123	70-129		6.65	30	
Bromoform	11.3		"	10.0	0.00	113	66-136		9.35	30	
Bromomethane	4.78		"	10.0	0.00	47.8	30-158		43.9	30	Non-dir.
Carbon disulfide	14.4		"	10.0	0.00	144	10-138	High Bias	8.15	30	
Carbon tetrachloride	12.8		"	10.0	0.00	128	71-146		8.70	30	
Chlorobenzene	12.5		"	10.0	0.00	125	81-117	High Bias	9.28	30	
Chloroethane	11.4		"	10.0	0.00	114	51-145		5.89	30	
Chloroform	12.0		"	10.0	0.00	120	80-124		5.55	30	
Chloromethane	10.5		"	10.0	0.00	105	16-163		10.2	30	
cis-1,2-Dichloroethylene	12.4		"	10.0	0.00	124	76-125		7.02	30	
cis-1,3-Dichloropropylene	12.1		"	10.0	0.00	121	58-131		7.20	30	
Cyclohexane	12.5		"	10.0	0.00	125	70-130		7.05	30	
Dibromochloromethane	12.5		"	10.0	0.00	125	71-129		7.62	30	
Dibromomethane	11.7		"	10.0	0.00	117	76-120		5.70	30	
Dichlorodifluoromethane	8.38		"	10.0	0.00	83.8	30-147		1.08	30	
Ethyl Benzene	13.1		"	10.0	0.00	131	72-128	High Bias	9.74	30	
Hexachlorobutadiene	11.5		"	10.0	0.00	115	34-166		18.5	30	
Isopropylbenzene	13.6		"	10.0	0.00	136	66-139		10.3	30	
Methyl acetate	9.93		"	10.0	0.00	99.3	10-200		0.302	30	
Methyl tert-butyl ether (MTBE)	12.3		"	10.0	0.00	123	75-128		4.14	30	
Methylcyclohexane	11.6		"	10.0	0.00	116	70-130		11.9	30	
Methylene chloride	12.7		"	10.0	0.00	127	57-128		14.8	30	
Naphthalene	12.4		"	10.0	0.730	117	39-158		14.8	30	
n-Butylbenzene	12.7		"	10.0	0.00	127	61-138		17.9	30	
n-Propylbenzene	13.3		"	10.0	0.00	133	66-134		14.1	30	
o-Xylene	12.7		"	10.0	0.00	127	69-126	High Bias	10.2	30	
p- & m- Xylenes	26.3		"	20.0	0.00	131	67-130	High Bias	10.9	30	
p-Diethylbenzene	13.0		"	10.0	0.00	130	52-150		17.3	30	
p-Ethyltoluene	13.9		"	10.0	0.00	139	76-127	High Bias	14.3	30	
p-Isopropyltoluene	13.2		"	10.0	0.00	132	64-137		15.7	30	
sec-Butylbenzene	13.2		"	10.0	0.00	132	53-155		13.8	30	
Styrene	12.5		"	10.0	0.00	125	69-125		9.79	30	
tert-Butyl alcohol (TBA)	62.5		"	50.0	0.00	125	10-130		6.77	30	
tert-Butylbenzene	13.0		"	10.0	0.00	130	65-139		11.0	30	
Tetrachloroethylene	6.84		"	10.0	0.720	61.2	64-139	Low Bias	12.6	30	
Toluene	12.9		"	10.0	0.00	129	76-123	High Bias	8.46	30	
trans-1,2-Dichloroethylene	12.7		"	10.0	0.00	127	79-131		7.35	30	
trans-1,3-Dichloropropylene	12.0		"	10.0	0.00	120	55-130		7.87	30	
Trichloroethylene	11.1		"	10.0	0.00	111	53-145		9.07	30	
Trichlorofluoromethane	11.3		"	10.0	0.00	113	61-142		8.01	30	
Vinyl Chloride	11.6		"	10.0	0.00	116	31-165		7.79	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.06		"	10.0		90.6	69-130				
Surrogate: SURR: Toluene-d8	9.85		"	10.0		98.5	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.5		"	10.0		105	79-122				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH40650 - EPA 5030B**

**Blank (BH40650-BLK1)**

Prepared & Analyzed: 08/09/2024

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH40650 - EPA 5030B**

**Blank (BH40650-BLK1)**

Prepared & Analyzed: 08/09/2024

Methylene chloride	ND	2.00	ug/L								
Naphthalene	6.44	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								

Surrogate: SURR: 1,2-Dichloroethane-d4	9.78		"	10.0		97.8	70-130				
Surrogate: SURR: Toluene-d8	10.6		"	10.0		106	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.87		"	10.0		98.7	79-122				

**LCS (BH40650-BS1)**

Prepared & Analyzed: 08/09/2024

1,1,1,2-Tetrachloroethane	9.83		ug/L	10.0		98.3	82-126				
1,1,1-Trichloroethane	8.42		"	10.0		84.2	78-130				
1,1,2,2-Tetrachloroethane	10.9		"	10.0		109	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.37		"	10.0		83.7	70-130				
1,1,2-Trichloroethane	9.15		"	10.0		91.5	82-123				
1,1-Dichloroethane	8.53		"	10.0		85.3	82-129				
1,1-Dichloroethylene	8.91		"	10.0		89.1	70-130				
1,2,3-Trichlorobenzene	10.3		"	10.0		103	76-130				
1,2,3-Trichloropropane	9.51		"	10.0		95.1	77-128				
1,2,4-Trichlorobenzene	10.5		"	10.0		105	76-130				
1,2,4-Trimethylbenzene	10.8		"	10.0		108	82-132				
1,2-Dibromo-3-chloropropane	7.99		"	10.0		79.9	45-147				
1,2-Dibromoethane	9.23		"	10.0		92.3	83-124				
1,2-Dichlorobenzene	10.1		"	10.0		101	79-123				
1,2-Dichloroethane	7.94		"	10.0		79.4	73-130				
1,2-Dichloropropane	9.96		"	10.0		99.6	78-126				
1,3,5-Trimethylbenzene	11.0		"	10.0		110	80-131				
1,3-Dichlorobenzene	10.5		"	10.0		105	86-122				
1,3-Dichloropropane	9.33		"	10.0		93.3	81-125				
1,4-Dichlorobenzene	10.4		"	10.0		104	85-124				
1,4-Dioxane	348		"	210		166	40-160	High Bias			
2-Butanone	7.43		"	10.0		74.3	49-152				
2-Hexanone	7.89		"	10.0		78.9	51-146				
4-Methyl-2-pentanone	9.18		"	10.0		91.8	57-145				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH40650 - EPA 5030B</b>											
<b>LCS (BH40650-BS1)</b>											
										Prepared & Analyzed: 08/09/2024	
Acetone	16.2		ug/L	10.0		162	40-150	High Bias			
Acrolein	31.7		"	10.0		31.7	10-153				
Acrylonitrile	8.41		"	10.0		84.1	51-150				
Benzene	9.13		"	10.0		91.3	85-126				
Bromochloromethane	8.28		"	10.0		82.8	77-128				
Bromodichloromethane	9.46		"	10.0		94.6	79-128				
Bromoform	8.40		"	10.0		84.0	78-130				
Bromomethane	5.54		"	10.0		55.4	43-160				
Carbon disulfide	8.86		"	10.0		88.6	68-146				
Carbon tetrachloride	8.61		"	10.0		86.1	77-130				
Chlorobenzene	10.0		"	10.0		100	88-120				
Chloroethane	8.91		"	10.0		89.1	65-136				
Chloroform	8.23		"	10.0		82.3	82-128				
Chloromethane	7.72		"	10.0		77.2	43-155				
cis-1,2-Dichloroethylene	8.55		"	10.0		85.5	83-129				
cis-1,3-Dichloropropylene	9.57		"	10.0		95.7	80-130				
Cyclohexane	8.52		"	10.0		85.2	70-130				
Dibromochloromethane	9.25		"	10.0		92.5	80-130				
Dibromomethane	8.89		"	10.0		88.9	72-134				
Dichlorodifluoromethane	6.01		"	10.0		60.1	44-144				
Ethyl Benzene	10.2		"	10.0		102	80-130				
Hexachlorobutadiene	11.0		"	10.0		110	67-146				
Isopropylbenzene	11.0		"	10.0		110	76-130				
Methyl acetate	8.03		"	10.0		80.3	70-130				
Methyl tert-butyl ether (MTBE)	8.07		"	10.0		80.7	76-130				
Methylcyclohexane	9.85		"	10.0		98.5	72-130				
Methylene chloride	8.01		"	10.0		80.1	70-130				
Naphthalene	23.7		"	10.0		237	70-147	High Bias			
n-Butylbenzene	11.5		"	10.0		115	79-132				
n-Propylbenzene	10.9		"	10.0		109	78-133				
o-Xylene	9.84		"	10.0		98.4	78-130				
p- & m- Xylenes	19.8		"	20.0		99.2	77-130				
p-Diethylbenzene	11.3		"	10.0		113	84-134				
p-Ethyltoluene	11.4		"	10.0		114	88-129				
p-Isopropyltoluene	11.3		"	10.0		113	81-136				
sec-Butylbenzene	11.0		"	10.0		110	79-137				
Styrene	10.1		"	10.0		101	70-130				
tert-Butyl alcohol (TBA)	42.1		"	50.0		84.1	25-162				
tert-Butylbenzene	10.8		"	10.0		108	77-138				
Tetrachloroethylene	5.40		"	10.0		54.0	82-130	Low Bias			
Toluene	10.2		"	10.0		102	80-127				
trans-1,2-Dichloroethylene	8.76		"	10.0		87.6	80-130				
trans-1,3-Dichloropropylene	9.47		"	10.0		94.7	78-130				
Trichloroethylene	9.20		"	10.0		92.0	82-128				
Trichlorofluoromethane	8.37		"	10.0		83.7	67-139				
Vinyl Chloride	8.28		"	10.0		82.8	70-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.28		"	10.0		92.8	70-130				
Surrogate: SURR: Toluene-d8	10.7		"	10.0		107	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.2		"	10.0		102	79-122				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH40650 - EPA 5030B</b>											
<b>LCS Dup (BH40650-BSD1)</b>											
Prepared & Analyzed: 08/09/2024											
1,1,1,2-Tetrachloroethane	10.0		ug/L	10.0		100	82-126		1.81	30	
1,1,1-Trichloroethane	8.55		"	10.0		85.5	78-130		1.53	20	
1,1,2,2-Tetrachloroethane	11.4		"	10.0		114	76-129		4.93	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.61		"	10.0		86.1	70-130		2.83	20	
1,1,2-Trichloroethane	9.28		"	10.0		92.8	82-123		1.41	20	
1,1-Dichloroethane	8.67		"	10.0		86.7	82-129		1.63	20	
1,1-Dichloroethylene	9.09		"	10.0		90.9	70-130		2.00	20	
1,2,3-Trichlorobenzene	12.4		"	10.0		124	76-130		18.4	20	
1,2,3-Trichloropropane	9.72		"	10.0		97.2	77-128		2.18	30	
1,2,4-Trichlorobenzene	11.5		"	10.0		115	76-130		9.20	20	
1,2,4-Trimethylbenzene	10.6		"	10.0		106	82-132		1.49	20	
1,2-Dibromo-3-chloropropane	9.01		"	10.0		90.1	45-147		12.0	20	
1,2-Dibromoethane	9.44		"	10.0		94.4	83-124		2.25	20	
1,2-Dichlorobenzene	10.3		"	10.0		103	79-123		1.47	20	
1,2-Dichloroethane	8.29		"	10.0		82.9	73-130		4.31	20	
1,2-Dichloropropane	10.4		"	10.0		104	78-126		4.51	20	
1,3,5-Trimethylbenzene	10.7		"	10.0		107	80-131		2.66	30	
1,3-Dichlorobenzene	10.4		"	10.0		104	86-122		1.05	20	
1,3-Dichloropropane	9.66		"	10.0		96.6	81-125		3.48	30	
1,4-Dichlorobenzene	10.4		"	10.0		104	85-124		0.480	20	
1,4-Dioxane	392		"	210		187	40-160	High Bias	11.8	20	
2-Butanone	7.84		"	10.0		78.4	49-152		5.37	20	
2-Hexanone	8.48		"	10.0		84.8	51-146		7.21	20	
4-Methyl-2-pentanone	9.83		"	10.0		98.3	57-145		6.84	20	
Acetone	17.7		"	10.0		177	40-150	High Bias	8.69	20	
Acrolein	3.12		"	10.0		31.2	10-153		1.59	30	
Acrylonitrile	3.99		"	10.0		39.9	51-150	Low Bias	71.3	30	Non-dir.
Benzene	9.25		"	10.0		92.5	85-126		1.31	20	
Bromochloromethane	8.44		"	10.0		84.4	77-128		1.91	20	
Bromodichloromethane	9.73		"	10.0		97.3	79-128		2.81	20	
Bromoform	8.78		"	10.0		87.8	78-130		4.42	20	
Bromomethane	6.23		"	10.0		62.3	43-160		11.7	20	
Carbon disulfide	8.99		"	10.0		89.9	68-146		1.46	20	
Carbon tetrachloride	8.80		"	10.0		88.0	77-130		2.18	20	
Chlorobenzene	10.2		"	10.0		102	88-120		1.68	20	
Chloroethane	9.04		"	10.0		90.4	65-136		1.45	20	
Chloroform	8.38		"	10.0		83.8	82-128		1.81	20	
Chloromethane	7.64		"	10.0		76.4	43-155		1.04	20	
cis-1,2-Dichloroethylene	8.67		"	10.0		86.7	83-129		1.39	20	
cis-1,3-Dichloropropylene	9.76		"	10.0		97.6	80-130		1.97	20	
Cyclohexane	8.68		"	10.0		86.8	70-130		1.86	20	
Dibromochloromethane	9.67		"	10.0		96.7	80-130		4.44	20	
Dibromomethane	9.16		"	10.0		91.6	72-134		2.99	30	
Dichlorodifluoromethane	6.12		"	10.0		61.2	44-144		1.81	20	
Ethyl Benzene	10.3		"	10.0		103	80-130		1.37	20	
Hexachlorobutadiene	11.3		"	10.0		113	67-146		2.15	30	
Isopropylbenzene	10.8		"	10.0		108	76-130		2.20	20	
Methyl acetate	8.00		"	10.0		80.0	70-130		0.374	20	
Methyl tert-butyl ether (MTBE)	8.62		"	10.0		86.2	76-130		6.59	20	
Methylcyclohexane	10.0		"	10.0		100	72-130		1.51	20	



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH40650 - EPA 5030B**

**LCS Dup (BH40650-BSD1)**

Prepared & Analyzed: 08/09/2024

Methylene chloride	8.14		ug/L	10.0		81.4	70-130		1.61	20	
Naphthalene	20.9		"	10.0		209	70-147	High Bias	12.5	30	
n-Butylbenzene	11.3		"	10.0		113	79-132		1.49	30	
n-Propylbenzene	10.6		"	10.0		106	78-133		2.23	30	
o-Xylene	9.99		"	10.0		99.9	78-130		1.51	20	
p- & m- Xylenes	20.1		"	20.0		100	77-130		1.20	20	
p-Diethylbenzene	11.1		"	10.0		111	84-134		1.60	30	
p-Ethyltoluene	11.3		"	10.0		113	88-129		1.32	30	
p-Isopropyltoluene	11.0		"	10.0		110	81-136		2.33	30	
sec-Butylbenzene	10.7		"	10.0		107	79-137		1.94	30	
Styrene	10.2		"	10.0		102	70-130		1.57	20	
tert-Butyl alcohol (TBA)	43.7		"	50.0		87.5	25-162		3.89	30	
tert-Butylbenzene	10.6		"	10.0		106	77-138		1.40	30	
Tetrachloroethylene	5.47		"	10.0		54.7	82-130	Low Bias	1.29	20	
Toluene	10.2		"	10.0		102	80-127		0.784	20	
trans-1,2-Dichloroethylene	8.89		"	10.0		88.9	80-130		1.47	20	
trans-1,3-Dichloropropylene	9.67		"	10.0		96.7	78-130		2.09	20	
Trichloroethylene	9.21		"	10.0		92.1	82-128		0.109	20	
Trichlorofluoromethane	8.61		"	10.0		86.1	67-139		2.83	20	
Vinyl Chloride	8.30		"	10.0		83.0	70-130		0.241	20	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.54</i>		<i>"</i>	<i>10.0</i>		<i>95.4</i>	<i>70-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.7</i>		<i>"</i>	<i>10.0</i>		<i>107</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.97</i>		<i>"</i>	<i>10.0</i>		<i>99.7</i>	<i>79-122</i>				

**Batch BH40732 - EPA 5030B**

**LCS (BH40732-BS1)**

Prepared & Analyzed: 08/12/2024

Benzene	10		ug/L	10.0		102	85-126				
Bromobenzene	9.7		"	10.0		97.1	78-129				
Bromochloromethane	9.8		"	10.0		98.2	77-128				
Bromodichloromethane	9.8		"	10.0		97.7	79-128				
Bromoform	9.7		"	10.0		97.2	78-133				
Bromomethane	11		"	10.0		108	43-168				
tert-Butylbenzene	11		"	10.0		109	77-138				
n-Butylbenzene	11		"	10.0		108	79-132				
sec-Butylbenzene	11		"	10.0		109	79-137				
Carbon tetrachloride	11		"	10.0		107	77-141				
Chlorobenzene	9.8		"	10.0		98.1	88-120				
Chloroethane	10		"	10.0		101	65-136				
Chloroform	10		"	10.0		100	82-128				
Chloromethane	10		"	10.0		102	43-155				
2-Chlorotoluene	10		"	10.0		102	79-130				
4-Chlorotoluene	10		"	10.0		104	79-128				
Dibromochloromethane	9.7		"	10.0		97.4	80-130				
Dibromomethane	9.8		"	10.0		98.1	72-134				
1,2-Dichlorobenzene	9.6		"	10.0		96.1	79-123				
1,4-Dichlorobenzene	10		"	10.0		101	84-124				
1,3-Dichlorobenzene	9.9		"	10.0		99.2	86-122				
Dichlorodifluoromethane	9.9		"	10.0		99.0	44-144				
1,2-Dichloroethane	9.7		"	10.0		96.7	73-132				
1,1-Dichloroethane	10		"	10.0		103	82-129				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	RPD	Flag
		Limit			Result					Limit	

**Batch BH40732 - EPA 5030B**

**LCS (BH40732-BS1)**

Prepared & Analyzed: 08/12/2024

trans-1,2-Dichloroethylene	10		ug/L	10.0		104	80-132				
cis-1,2-Dichloroethylene	10		"	10.0		103	83-129				
1,1-Dichloroethylene	11		"	10.0		105	68-138				
1,2-Dichloropropane	9.7		"	10.0		97.3	78-126				
2,2-Dichloropropane	11		"	10.0		111	56-150				
1,3-Dichloropropane	9.4		"	10.0		94.3	81-125				
cis-1,3-Dichloropropylene	10		"	10.0		105	79-131				
1,1-Dichloropropylene	10		"	10.0		105	83-133				
trans-1,3-Dichloropropylene	10		"	10.0		105	78-131				
Ethyl Benzene	11		"	10.0		105	80-131				
Hexachlorobutadiene	10		"	10.0		100	67-146				
Isopropylbenzene	11		"	10.0		110	76-140				
p-Isopropyltoluene	11		"	10.0		111	81-136				
Methyl tert-butyl ether (MTBE)	9.7		"	10.0		96.7	76-135				
Methylene chloride	10		"	10.0		99.9	55-137				
Naphthalene	10		"	10.0		100	70-147				
n-Propylbenzene	11		"	10.0		107	78-133				
Styrene	11		"	10.0		107	67-132				
1,1,1,2-Tetrachloroethane	9.9		"	10.0		98.8	82-126				
1,1,2,2-Tetrachloroethane	9.5		"	10.0		95.2	76-129				
Tetrachloroethylene	10		"	10.0		102	82-131				
Toluene	10		"	10.0		99.5	79-127				
1,2,4-Trichlorobenzene	9.8		"	10.0		97.9	76-137				
1,2,3-Trichlorobenzene	9.8		"	10.0		98.5	76-136				
1,1,1-Trichloroethane	10		"	10.0		103	78-136				
1,1,2-Trichloroethane	9.6		"	10.0		95.8	82-123				
Trichloroethylene	10		"	10.0		102	82-128				
Trichlorofluoromethane	10		"	10.0		102	67-139				
1,2,3-Trichloropropane	9.8		"	10.0		97.5	77-128				
1,3,5-Trimethylbenzene	11		"	10.0		106	80-131				
1,2,4-Trimethylbenzene	12		"	10.0		116	82-132				
Vinyl Chloride	10		"	10.0		101	58-145				
o-Xylene	11		"	10.0		107	78-130				
p- & m- Xylenes	21		"	20.0		107	77-133				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.8		"	10.0		97.7	69-130				
Surrogate: SURR: p-Bromofluorobenzene	10		"	10.0		102	79-122				
Surrogate: SURR: Toluene-d8	10		"	10.0		99.7	81-117				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					RPD	

**Batch BH40819 - EPA 5030B**

**LCS (BH40819-BS1)**

Prepared & Analyzed: 08/13/2024

Benzene	12		ug/L	10.0		117		85-126			
Bromobenzene	11		"	10.0		109		78-129			
Bromochloromethane	12		"	10.0		121		77-128			
Bromodichloromethane	11		"	10.0		112		79-128			
Bromoform	11		"	10.0		111		78-133			
Bromomethane	14		"	10.0		138		43-168			
tert-Butylbenzene	12		"	10.0		119		77-138			
n-Butylbenzene	12		"	10.0		121		79-132			
sec-Butylbenzene	13		"	10.0		125		79-137			
Carbon tetrachloride	12		"	10.0		124		77-141			
Chlorobenzene	11		"	10.0		113		88-120			
Chloroethane	13		"	10.0		128		65-136			
Chloroform	12		"	10.0		123		82-128			
Chloromethane	13		"	10.0		125		43-155			
2-Chlorotoluene	12		"	10.0		116		79-130			
4-Chlorotoluene	12		"	10.0		115		79-128			
Dibromochloromethane	11		"	10.0		113		80-130			
Dibromomethane	11		"	10.0		113		72-134			
1,2-Dichlorobenzene	11		"	10.0		109		79-123			
1,4-Dichlorobenzene	11		"	10.0		112		84-124			
1,3-Dichlorobenzene	11		"	10.0		111		86-122			
Dichlorodifluoromethane	13		"	10.0		129		44-144			
1,2-Dichloroethane	11		"	10.0		112		73-132			
1,1-Dichloroethane	12		"	10.0		122		82-129			
trans-1,2-Dichloroethylene	13		"	10.0		126		80-132			
cis-1,2-Dichloroethylene	12		"	10.0		123		83-129			
1,1-Dichloroethylene	14		"	10.0		136		68-138			
1,2-Dichloropropane	11		"	10.0		112		78-126			
2,2-Dichloropropane	13		"	10.0		126		56-150			
1,3-Dichloropropane	11		"	10.0		108		81-125			
cis-1,3-Dichloropropylene	11		"	10.0		110		79-131			
1,1-Dichloropropylene	12		"	10.0		120		83-133			
trans-1,3-Dichloropropylene	11		"	10.0		110		78-131			
Ethyl Benzene	12		"	10.0		122		80-131			
Hexachlorobutadiene	11		"	10.0		112		67-146			
Isopropylbenzene	12		"	10.0		121		76-140			
p-Isopropyltoluene	13		"	10.0		126		81-136			
Methyl tert-butyl ether (MTBE)	12		"	10.0		119		76-135			
Methylene chloride	12		"	10.0		123		55-137			
Naphthalene	11		"	10.0		112		70-147			
n-Propylbenzene	12		"	10.0		117		78-133			
Styrene	12		"	10.0		125		67-132			
1,1,1,2-Tetrachloroethane	11		"	10.0		113		82-126			
1,1,2,2-Tetrachloroethane	11		"	10.0		107		76-129			
Tetrachloroethylene	11		"	10.0		108		82-131			
Toluene	12		"	10.0		116		79-127			
1,2,4-Trichlorobenzene	11		"	10.0		112		76-137			
1,2,3-Trichlorobenzene	11		"	10.0		108		76-136			
1,1,1-Trichloroethane	12		"	10.0		123		78-136			
1,1,2-Trichloroethane	11		"	10.0		108		82-123			
Trichloroethylene	12		"	10.0		116		82-128			



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH40819 - EPA 5030B**

**LCS (BH40819-BS1)**

Prepared & Analyzed: 08/13/2024

Trichlorofluoromethane	13		ug/L	10.0		128	67-139				
1,2,3-Trichloropropane	11		"	10.0		111	77-128				
1,3,5-Trimethylbenzene	12		"	10.0		122	80-131				
1,2,4-Trimethylbenzene	13		"	10.0		132	82-132				
Vinyl Chloride	13		"	10.0		127	58-145				
o-Xylene	12		"	10.0		122	78-130				
p- & m- Xylenes	24		"	20.0		122	77-133				
<i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i>	<i>9.8</i>		<i>"</i>	<i>10.0</i>		<i>97.8</i>	<i>69-130</i>				
<i>Surrogate: SURRE: p-Bromofluorobenzene</i>	<i>10</i>		<i>"</i>	<i>10.0</i>		<i>99.7</i>	<i>79-122</i>				
<i>Surrogate: SURRE: Toluene-d8</i>	<i>9.9</i>		<i>"</i>	<i>10.0</i>		<i>99.3</i>	<i>81-117</i>				

**LCS Dup (BH40819-BSD1)**

Prepared & Analyzed: 08/13/2024

Benzene	12		ug/L	10.0		117	85-126		0.427	30	
Bromobenzene	11		"	10.0		110	78-129		1.10	30	
Bromochloromethane	13		"	10.0		127	77-128		4.76	30	
Bromodichloromethane	12		"	10.0		117	79-128		4.55	30	
Bromoform	12		"	10.0		121	78-133		8.73	30	
Bromomethane	14		"	10.0		139	43-168		1.23	30	
tert-Butylbenzene	11		"	10.0		114	77-138		4.19	30	
n-Butylbenzene	12		"	10.0		115	79-132		4.75	30	
sec-Butylbenzene	12		"	10.0		123	79-137		2.26	30	
Carbon tetrachloride	12		"	10.0		124	77-141		0.242	30	
Chlorobenzene	11		"	10.0		114	88-120		1.32	30	
Chloroethane	13		"	10.0		127	65-136		0.548	30	
Chloroform	13		"	10.0		125	82-128		1.69	30	
Chloromethane	13		"	10.0		126	43-155		0.558	30	
2-Chlorotoluene	11		"	10.0		113	79-130		2.62	30	
4-Chlorotoluene	11		"	10.0		113	79-128		1.75	30	
Dibromochloromethane	12		"	10.0		122	80-130		8.01	30	
Dibromomethane	12		"	10.0		117	72-134		4.17	30	
1,2-Dichlorobenzene	11		"	10.0		109	79-123		0.368	30	
1,4-Dichlorobenzene	11		"	10.0		110	84-124		1.53	30	
1,3-Dichlorobenzene	11		"	10.0		109	86-122		1.82	30	
Dichlorodifluoromethane	13		"	10.0		132	44-144		2.30	30	
1,2-Dichloroethane	12		"	10.0		119	73-132		5.96	30	
1,1-Dichloroethane	12		"	10.0		122	82-129		0.164	30	
trans-1,2-Dichloroethylene	13		"	10.0		128	80-132		1.42	30	
cis-1,2-Dichloroethylene	13		"	10.0		126	83-129		2.09	30	
1,1-Dichloroethylene	14		"	10.0		136	68-138		0.147	30	
1,2-Dichloropropane	12		"	10.0		116	78-126		3.35	30	
2,2-Dichloropropane	12		"	10.0		123	56-150		1.85	30	
1,3-Dichloropropane	12		"	10.0		117	81-125		7.72	30	
cis-1,3-Dichloropropylene	12		"	10.0		115	79-131		4.80	30	
1,1-Dichloropropylene	12		"	10.0		119	83-133		0.335	30	
trans-1,3-Dichloropropylene	12		"	10.0		115	78-131		4.80	30	
Ethyl Benzene	12		"	10.0		122	80-131		0.409	30	
Hexachlorobutadiene	10		"	10.0		102	67-146		9.04	30	
Isopropylbenzene	12		"	10.0		117	76-140		2.86	30	
p-Isopropyltoluene	12		"	10.0		121	81-136		3.65	30	
Methyl tert-butyl ether (MTBE)	13		"	10.0		131	76-135		9.94	30	
Methylene chloride	13		"	10.0		127	55-137		3.04	30	



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH40819 - EPA 5030B**

**LCS Dup (BH40819-BSD1)**

Prepared & Analyzed: 08/13/2024

Naphthalene	12		ug/L	10.0		119	70-147		5.81	30	
n-Propylbenzene	11		"	10.0		114	78-133		3.12	30	
Styrene	13		"	10.0		126	67-132		0.955	30	
1,1,1,2-Tetrachloroethane	12		"	10.0		116	82-126		2.44	30	
1,1,2,2-Tetrachloroethane	12		"	10.0		117	76-129		8.74	30	
Tetrachloroethylene	11		"	10.0		108	82-131		0.371	30	
Toluene	12		"	10.0		116	79-127		0.258	30	
1,2,4-Trichlorobenzene	11		"	10.0		111	76-137		0.898	30	
1,2,3-Trichlorobenzene	11		"	10.0		112	76-136		4.00	30	
1,1,1-Trichloroethane	12		"	10.0		124	78-136		0.648	30	
1,1,2-Trichloroethane	12		"	10.0		117	82-123		7.90	30	
Trichloroethylene	11		"	10.0		114	82-128		1.57	30	
Trichlorofluoromethane	13		"	10.0		129	67-139		0.621	30	
1,2,3-Trichloropropane	12		"	10.0		117	77-128		4.74	30	
1,3,5-Trimethylbenzene	12		"	10.0		119	80-131		2.58	30	
1,2,4-Trimethylbenzene	13		"	10.0		131	82-132		0.834	30	
Vinyl Chloride	13		"	10.0		128	58-145		0.784	30	
o-Xylene	12		"	10.0		122	78-130		0.656	30	
p- & m- Xylenes	24		"	20.0		122	77-133		0.656	30	
Surrogate: SURRE: 1,2-Dichloroethane-d4	10		"	10.0		102	69-130				
Surrogate: SURRE: p-Bromofluorobenzene	9.9		"	10.0		99.4	79-122				
Surrogate: SURRE: Toluene-d8	9.9		"	10.0		98.9	81-117				



**Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH40709 - EPA 3535A</b>											
<b>Blank (BH40709-BLK1)</b>						Prepared: 08/12/2024 Analyzed: 08/13/2024					
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	2.11		"	4.00		52.7	36.6-118				
<b>LCS (BH40709-BS1)</b>						Prepared: 08/12/2024 Analyzed: 08/13/2024					
1,4-Dioxane	2.75	0.300	ug/L	4.00		68.8	50-130				
Surrogate: 1,4-Dioxane-d8	2.08		"	4.00		52.0	36.6-118				
<b>Matrix Spike (BH40709-MS1)</b>						*Source sample: 24H0452-05 (MW-8D) Prepared: 08/12/2024 Analyzed: 08/13/2024					
1,4-Dioxane	3.10	0.300	ug/L	4.00	ND	77.6	50-130				
Surrogate: 1,4-Dioxane-d8	2.09		"	4.00		52.3	50-130				
<b>Matrix Spike Dup (BH40709-MSD1)</b>						*Source sample: 24H0452-05 (MW-8D) Prepared: 08/12/2024 Analyzed: 08/13/2024					
1,4-Dioxane	2.64	0.300	ug/L	4.00	ND	66.0	50-130		16.2	30	
Surrogate: 1,4-Dioxane-d8	2.16		"	4.00		54.0	50-130				
<b>Batch BH40803 - EPA 522</b>											
<b>Blank (BH40803-BLK1)</b>						Prepared: 08/13/2024 Analyzed: 08/14/2024					
1,4-Dioxane	ND	0.200	ug/L								
Surrogate: 1,4-Dioxane-d8	2.30		"	2.50		92.0	70-130				
<b>LCS (BH40803-BS1)</b>						Prepared: 08/13/2024 Analyzed: 08/14/2024					
1,4-Dioxane	5.69	0.200	ug/L	5.00		114	70-130				
Surrogate: 1,4-Dioxane-d8	1.80		"	2.50		72.0	70-130				
<b>LCS (BH40803-BS2)</b>						Prepared & Analyzed: 08/13/2024					
1,4-Dioxane	10.3	0.200	ug/L	10.0		103	70-130				
Surrogate: 1,4-Dioxane-d8	1.90		"	2.50		76.0	70-130				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH40921 - EPA 533

Blank (BH40921-BLK1)

Prepared: 08/14/2024 Analyzed: 08/16/2024

ADONA	ND	1.00	ng/L								
9CL-PF3ONS	ND	1.00	"								
11CL-PF3OUdS	ND	1.00	"								
HFPO-DA (Gen-X)	ND	1.00	"								
Perfluorobutanesulfonic acid (PFBS)	ND	1.00	"								
Perfluorodecanoic acid (PFDA)	ND	1.00	"								
Perfluorododecanoic acid (PFDoA)	ND	1.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	1.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.00	"								
Perfluorohexanoic acid (PFHxA)	ND	1.00	"								
Perfluorononanoic acid (PFNA)	ND	1.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	1.00	"								
Perfluorooctanoic acid (PFOA)	ND	1.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	1.00	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	1.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	1.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	1.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.00	"								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	1.00	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	1.00	"								
Surrogate: MPFDoA	14.0		"	20.0		70.0	50-200				
Surrogate: MPFBA	14.1		"	20.0		70.6	50-200				
Surrogate: M9PFNA	15.4		"	20.0		77.0	50-200				
Surrogate: M8PFOS	14.7		"	19.2		76.7	50-200				
Surrogate: M8PFOA	15.0		"	20.0		74.9	50-200				
Surrogate: M7PFUdA	14.9		"	20.0		74.3	50-200				
Surrogate: M6PFDA	14.3		"	20.0		71.5	50-200				
Surrogate: M5PFPeA	15.7		"	20.0		78.7	50-200				
Surrogate: M5PFHxA	12.8		"	20.0		64.0	50-200				
Surrogate: M4PFHpA	16.4		"	20.0		81.8	50-200				
Surrogate: M3PFHxS	14.4		"	19.0		76.0	50-200				
Surrogate: M3PFBS	14.1		"	18.6		75.6	50-200				
Surrogate: M3HFPO-DA	14.8		"	20.0		74.0	50-200				
Surrogate: M2-8:2 FTS	66.3		"	76.8		86.3	50-200				
Surrogate: M2-6:2 FTS	68.8		"	76.0		90.6	50-200				
Surrogate: M2-4:2 FTS	68.7		"	75.2		91.4	50-200				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH40921 - EPA 533

LCS (BH40921-BS1)

Prepared: 08/14/2024 Analyzed: 08/16/2024

ADONA	16.1	1.00	ng/L	18.9		84.9	70-130				
9CL-PF3ONS	18.6	1.00	"	18.7		99.5	70-130				
11CL-PF3OUdS	15.5	1.00	"	18.9		81.9	70-130				
HFPO-DA (Gen-X)	21.6	1.00	"	20.0		108	70-130				
Perfluorobutanesulfonic acid (PFBS)	20.6	1.00	"	17.8		116	70-130				
Perfluorodecanoic acid (PFDA)	24.0	1.00	"	20.0		120	70-130				
Perfluorododecanoic acid (PFDoA)	21.7	1.00	"	20.0		109	70-130				
Perfluoroheptanoic acid (PFHpA)	18.7	1.00	"	20.0		93.3	70-130				
Perfluorohexanesulfonic acid (PFHxS)	21.5	1.00	"	18.2		118	70-130				
Perfluorohexanoic acid (PFHxA)	21.4	1.00	"	20.0		107	70-130				
Perfluorononanoic acid (PFNA)	24.5	1.00	"	20.0		123	70-130				
Perfluorooctanesulfonic acid (PFOS)	21.7	1.00	"	18.6		117	70-130				
Perfluorooctanoic acid (PFOA)	22.9	1.00	"	20.0		114	70-130				
Perfluoroundecanoic acid (PFUnA)	21.8	1.00	"	20.0		109	70-130				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	19.7	1.00	"	18.8		105	70-130				
Perfluoro-1-pentanesulfonate (PFPeS)	21.0	1.00	"	18.8		112	70-130				
Perfluoro-n-butanoic acid (PFBA)	22.5	1.00	"	20.0		112	70-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	20.6	2.00	"	19.2		107	70-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	19.6	2.00	"	19.0		103	70-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	22.8	2.00	"	19.1		120	70-130				
Perfluoropentanoic acid (PFPeA)	22.1	1.00	"	20.0		110	70-130				
Perfluoro-5-oxahexanoic acid (PFMBA)	24.4	1.00	"	20.0		122	70-130				
Perfluoro-4-oxapentanoic acid (PFMPA)	22.1	1.00	"	20.0		111	70-130				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	23.0	1.00	"	20.0		115	70-130				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	18.6	1.00	"	17.8		104	70-130				
Surrogate: MPFDoA	16.2		"	20.0		81.1	50-200				
Surrogate: MPFBA	15.7		"	20.0		78.5	50-200				
Surrogate: M9PFNA	15.7		"	20.0		78.4	50-200				
Surrogate: M8PFOS	16.3		"	19.2		85.1	50-200				
Surrogate: M8PFOA	16.3		"	20.0		81.5	50-200				
Surrogate: M7PFUdA	16.9		"	20.0		84.3	50-200				
Surrogate: M6PFDA	16.0		"	20.0		79.9	50-200				
Surrogate: M5PFPeA	17.1		"	20.0		85.5	50-200				
Surrogate: M5PFHxA	14.1		"	20.0		70.7	50-200				
Surrogate: M4PFHpA	18.4		"	20.0		91.8	50-200				
Surrogate: M3PFHxS	16.7		"	19.0		88.1	50-200				
Surrogate: M3PFBS	15.7		"	18.6		84.1	50-200				
Surrogate: M3HFPO-DA	13.7		"	20.0		68.6	50-200				
Surrogate: M2-8:2 FTS	73.0		"	76.8		95.0	50-200				
Surrogate: M2-6:2 FTS	80.3		"	76.0		106	50-200				
Surrogate: M2-4:2 FTS	76.5		"	75.2		102	50-200				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH40921 - EPA 533

Matrix Spike (BH40921-MS1)	*Source sample: 24H0452-14 (Cleaners Pretreatment (Field Blank))						Prepared: 08/14/2024 Analyzed: 08/16/2024				
ADONA	32.2	0.948	ng/L	35.9	ND	89.8	70-130				
9CL-PF3ONS	35.1	0.948	"	35.4	ND	99.1	70-130				
11CL-PF3OUdS	29.3	0.948	"	35.8	ND	81.7	70-130				
HFPO-DA (Gen-X)	31.5	0.948	"	37.9	ND	83.1	70-130				
Perfluorobutanesulfonic acid (PFBS)	38.8	0.948	"	33.7	ND	115	70-130				
Perfluorodecanoic acid (PFDA)	44.3	0.948	"	37.9	ND	117	70-130				
Perfluorododecanoic acid (PFDoA)	41.3	0.948	"	37.9	ND	109	70-130				
Perfluoroheptanoic acid (PFHpA)	37.3	0.948	"	37.9	ND	98.4	70-130				
Perfluorohexanesulfonic acid (PFHxS)	39.9	0.948	"	34.6	ND	115	70-130				
Perfluorohexanoic acid (PFHxA)	41.3	0.948	"	37.9	ND	109	70-130				
Perfluorononanoic acid (PFNA)	43.7	0.948	"	37.9	ND	115	70-130				
Perfluorooctanesulfonic acid (PFOS)	40.2	0.948	"	35.2	ND	114	70-130				
Perfluorooctanoic acid (PFOA)	40.7	0.948	"	37.9	ND	107	70-130				
Perfluoroundecanoic acid (PFUnA)	41.2	0.948	"	37.9	ND	109	70-130				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	40.0	0.948	"	35.6	ND	112	70-130				
Perfluoro-1-pentanesulfonate (PFPeS)	38.6	0.948	"	35.6	ND	108	70-130				
Perfluoro-n-butanoic acid (PFBA)	41.6	0.948	"	37.9	ND	110	70-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	37.1	1.90	"	36.4	ND	102	70-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	39.6	1.90	"	36.1	ND	110	70-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	43.2	1.90	"	36.2	ND	119	70-130				
Perfluoropentanoic acid (PFPeA)	41.9	0.948	"	37.9	ND	110	70-130				
Perfluoro-5-oxahexanoic acid (PFMBA)	45.7	0.948	"	37.9	ND	120	70-130				
Perfluoro-4-oxapentanoic acid (PFMPA)	40.6	0.948	"	37.9	ND	107	70-130				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	40.4	0.948	"	37.9	ND	107	70-130				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	35.3	0.948	"	33.8	ND	105	70-130				
Surrogate: MPFDoA	14.5		"	19.0		76.4	50-200				
Surrogate: MPFBA	15.0		"	19.0		79.3	50-200				
Surrogate: M9PFNA	15.3		"	19.0		80.7	50-200				
Surrogate: M8PFOS	15.6		"	18.2		86.0	50-200				
Surrogate: M8PFOA	16.1		"	19.0		85.1	50-200				
Surrogate: M7PFUdA	15.1		"	19.0		79.7	50-200				
Surrogate: M6PFDA	15.8		"	19.0		83.2	50-200				
Surrogate: M5PFPeA	16.1		"	19.0		85.0	50-200				
Surrogate: M5PFHxA	13.6		"	19.0		72.0	50-200				
Surrogate: M4PFHpA	16.7		"	19.0		88.3	50-200				
Surrogate: M3PFHxS	15.7		"	18.0		87.3	50-200				
Surrogate: M3PFBS	15.0		"	17.7		85.1	50-200				
Surrogate: M3HFPO-DA	15.7		"	19.0		82.6	50-200				
Surrogate: M2-8:2 FTS	77.4		"	72.8		106	50-200				
Surrogate: M2-6:2 FTS	77.0		"	72.1		107	50-200				
Surrogate: M2-4:2 FTS	73.9		"	71.3		104	50-200				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH40944 - EPA 1633 Prep</b>											
<b>Blank (BH40944-BLK1)</b>											
										Prepared: 08/14/2024 Analyzed: 08/19/2024	
Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"								
Perfluorooctanoic acid (PFOA)	ND	4.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"								
Perfluorononanoic acid (PFNA)	ND	4.00	"								
Perfluorodecanoic acid (PFDA)	ND	4.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"								
Perfluorododecanoic acid (PFDoA)	ND	4.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	4.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"								
N-MeFOSAA	ND	4.00	"								
N-EtFOSAA	ND	4.00	"								
Perfluoropentanoic acid (PFPeA)	ND	8.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	15.2	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	15.4	"								
Perfluoro-n-butanoic acid (PFBA)	ND	16.0	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	7.12	"								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	8.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	15.0	"								
HFPO-DA (Gen-X)	ND	16.0	"								
11CL-PF3OUdS	10.1	15.1	"								
9CL-PF3ONS	ND	15.0	"								
ADONA	10.8	15.1	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"								
N-MeFOSE	ND	40.0	"								
N-MeFOSA	ND	4.00	"								
N-EtFOSE	ND	40.0	"								
N-EtFOSA	ND	4.00	"								
<i>Surrogate: M3PFBS</i>	62.3		"	46.6		134	25-150				
<i>Surrogate: M5PFHxA</i>	56.9		"	50.0		114	25-150				
<i>Surrogate: M4PFHpA</i>	61.2		"	50.0		122	25-150				
<i>Surrogate: M3PFHxS</i>	58.5		"	47.4		123	25-150				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	59.0		"	50.0		118	25-150				
<i>Surrogate: M6PFDA</i>	26.7		"	25.0		107	25-150				
<i>Surrogate: M7PFUdA</i>	25.8		"	25.0		103	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH40944 - EPA 1633 Prep

Blank (BH40944-BLK1)

Prepared: 08/14/2024 Analyzed: 08/19/2024

Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	25.3		ng/L	25.0		101	25-150				
Surrogate: M2PFTeDA	18.9		"	25.0		75.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	97.8		"	200		48.9	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	55.4		"	47.9		116	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	122		"	100		122	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	53.6		"	50.0		107	10-150				
Surrogate: d3-N-MeFOSAA	112		"	100		112	25-150				
Surrogate: d5-N-EtFOSAA	107		"	100		107	25-150				
Surrogate: M2-6:2 FTS	112		"	95.1		118	25-200				
Surrogate: M2-8:2 FTS	109		"	96.0		114	25-200				
Surrogate: M9PFNA	29.3		"	25.0		117	25-150				
Surrogate: M2-4:2 FTS	99.6		"	93.8		106	25-150				
Surrogate: d-N-MeFOSA	41.7		"	50.0		83.4	25-150				
Surrogate: d-N-EtFOSA	30.6		"	50.0		61.2	25-150				
Surrogate: M3HFPO-DA	128		"	200		64.2	25-150				
Surrogate: d9-N-EtFOSE	311		"	500		62.2	25-150				
Surrogate: d7-N-MeFOSE	312		"	500		62.5	25-150				

LCS (BH40944-BS1)

Prepared: 08/14/2024 Analyzed: 08/19/2024

Perfluorobutanesulfonic acid (PFBS)	61.8	3.54	ng/L	70.8		87.3	50-150				
Perfluorohexanoic acid (PFHxA)	71.0	4.00	"	80.0		88.8	50-150				
Perfluoroheptanoic acid (PFHpA)	66.0	4.00	"	80.0		82.5	50-150				
Perfluorohexanesulfonic acid (PFHxS)	65.9	3.66	"	73.2		90.0	50-150				
Perfluorooctanoic acid (PFOA)	70.3	4.00	"	80.0		87.9	50-150				
Perfluorooctanesulfonic acid (PFOS)	65.3	3.72	"	74.4		87.8	50-150				
Perfluorononanoic acid (PFNA)	77.6	4.00	"	80.0		96.9	50-150				
Perfluorodecanoic acid (PFDA)	75.5	4.00	"	80.0		94.4	50-150				
Perfluoroundecanoic acid (PFUnA)	71.3	4.00	"	80.0		89.2	50-150				
Perfluorododecanoic acid (PFDoA)	65.8	4.00	"	80.0		82.2	50-150				
Perfluorotridecanoic acid (PFTrDA)	78.6	4.00	"	80.0		98.3	50-150				
Perfluorotetradecanoic acid (PFTA)	69.6	4.00	"	80.0		87.0	50-150				
N-MeFOSAA	71.7	4.00	"	80.0		89.6	50-150				
N-EtFOSAA	69.3	4.00	"	80.0		86.6	50-150				
Perfluoropentanoic acid (PFPeA)	143	8.00	"	160		89.5	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	69.9	4.00	"	80.0		87.4	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	58.0	3.82	"	76.4		75.9	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	68.9	3.86	"	77.2		89.3	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	247	15.2	"	304		81.4	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	257	15.4	"	307		83.7	50-150				
Perfluoro-n-butanoic acid (PFBA)	291	16.0	"	320		90.9	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	128	7.12	"	142		89.7	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	144	8.00	"	160		90.2	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	121	8.00	"	160		75.5	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	149	8.00	"	160		92.9	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	70.9	3.76	"	75.2		94.3	50-150				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
		Limit			Result				RPD		
<b>Batch BH40944 - EPA 1633 Prep</b>											
<b>LCS (BH40944-BS1)</b>											
Prepared: 08/14/2024 Analyzed: 08/19/2024											
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	254	15.0	ng/L	300		84.8	50-150				
HFPO-DA (Gen-X)	138	16.0	"	160		86.5	50-150				
11CL-PF3OUdS	177	15.1	"	151		117	50-150				
9CL-PF3ONS	194	15.0	"	150		130	50-150				
ADONA	188	15.1	"	151		125	50-150				
Perfluorododecanesulfonic acid (PFDoS)	55.2	3.88	"	77.6		71.1	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	71.8	3.84	"	76.8		93.5	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	185	10.0	"	320		58.0	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	1170	50.0	"	1600		73.0	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	1350	50.0	"	1600		84.1	50-150				
N-MeFOSE	750	40.0	"	800		93.8	50-150				
N-MeFOSA	52.9	4.00	"	80.0		66.1	50-150				
N-EtFOSE	734	40.0	"	800		91.7	50-150				
N-EtFOSA	76.9	4.00	"	80.0		96.2	50-150				
Surrogate: M3PFBS	77.1		"	46.6		166	25-150				
Surrogate: M5PFHxA	68.2		"	50.0		136	25-150				
Surrogate: M4PFHpA	74.7		"	50.0		149	25-150				
Surrogate: M3PFHxS	73.5		"	47.4		155	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	71.1		"	50.0		142	25-150				
Surrogate: M6PFDA	31.2		"	25.0		125	25-150				
Surrogate: M7PFUdA	32.9		"	25.0		132	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	28.6		"	25.0		114	25-150				
Surrogate: M2PFTeDA	24.1		"	25.0		96.4	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	132		"	200		66.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	67.0		"	47.9		140	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	142		"	100		142	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	67.4		"	50.0		135	10-150				
Surrogate: d3-N-MeFOSAA	130		"	100		130	25-150				
Surrogate: d5-N-EtFOSAA	150		"	100		150	25-150				
Surrogate: M2-6:2 FTS	164		"	95.1		172	25-200				
Surrogate: M2-8:2 FTS	160		"	96.0		167	25-200				
Surrogate: M9PFNA	31.9		"	25.0		128	25-150				
Surrogate: M2-4:2 FTS	158		"	93.8		168	25-150				
Surrogate: d-N-MeFOSA	40.6		"	50.0		81.2	25-150				
Surrogate: d-N-EtFOSA	28.4		"	50.0		56.9	25-150				
Surrogate: M3HFPO-DA	167		"	200		83.3	25-150				
Surrogate: d9-N-EtFOSE	372		"	500		74.5	25-150				
Surrogate: d7-N-MeFOSE	373		"	500		74.7	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH40944 - EPA 1633 Prep</b>											
<b>LCS (BH40944-BS2)</b>											
Prepared: 08/14/2024 Analyzed: 08/19/2024											
Perfluorobutanesulfonic acid (PFBS)	12.3	3.54	ng/L	14.2		87.1	50-150				
Perfluorohexanoic acid (PFHxA)	12.5	4.00	"	16.0		77.9	50-150				
Perfluoroheptanoic acid (PFHpA)	12.7	4.00	"	16.0		79.2	50-150				
Perfluorohexanesulfonic acid (PFHxS)	14.3	3.66	"	14.6		98.0	50-150				
Perfluorooctanoic acid (PFOA)	13.9	4.00	"	16.0		86.7	50-150				
Perfluorooctanesulfonic acid (PFOS)	12.2	3.72	"	14.9		82.3	50-150				
Perfluorononanoic acid (PFNA)	14.2	4.00	"	16.0		88.7	50-150				
Perfluorodecanoic acid (PFDA)	12.3	4.00	"	16.0		77.1	50-150				
Perfluoroundecanoic acid (PFUnA)	12.7	4.00	"	16.0		79.2	50-150				
Perfluorododecanoic acid (PFDoA)	11.9	4.00	"	16.0		74.1	50-150				
Perfluorotridecanoic acid (PFTriDA)	16.4	4.00	"	16.0		103	50-150				
Perfluorotetradecanoic acid (PFTA)	14.4	4.00	"	16.0		90.1	50-150				
N-MeFOSAA	11.6	4.00	"	16.0		72.6	50-150				
N-EtFOSAA	12.3	4.00	"	16.0		76.8	50-150				
Perfluoropentanoic acid (PFPeA)	26.8	8.00	"	32.0		83.9	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	13.1	4.00	"	16.0		81.9	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	11.1	3.82	"	15.3		72.5	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	13.6	3.86	"	15.4		88.0	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	51.6	15.2	"	60.8		85.0	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	44.8	15.4	"	61.4		72.9	50-150				
Perfluoro-n-butanoic acid (PFBA)	53.4	16.0	"	64.0		83.4	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	22.6	7.12	"	28.5		79.2	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	29.6	8.00	"	32.0		92.4	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	24.5	8.00	"	32.0		76.7	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	26.5	8.00	"	32.0		82.9	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	13.0	3.76	"	15.0		86.2	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	46.1	15.0	"	60.0		76.9	50-150				
HFPO-DA (Gen-X)	29.6	16.0	"	32.0		92.5	50-150				
11CL-PF3OUdS	39.2	15.1	"	30.2		130	50-150				
9CL-PF3ONS	34.4	15.0	"	29.9		115	50-150				
ADONA	44.6	15.1	"	30.2		147	50-150				
Perfluorododecanesulfonic acid (PFDoS)	10.7	3.88	"	15.5		68.9	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	13.8	3.84	"	15.4		89.7	50-150				
3-Perfluoropropyl propanoic acid (FPPrPA)	28.8	10.0	"	64.0		44.9	50-150	Low Bias			
3-Perfluoropentyl propanoic acid (FPePA)	213	50.0	"	320		66.5	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	242	50.0	"	320		75.7	50-150				
N-MeFOSE	143	40.0	"	160		89.4	50-150				
N-MeFOSA	7.34	4.00	"	16.0		45.9	50-150	Low Bias			
N-EtFOSE	143	40.0	"	160		89.6	50-150				
N-EtFOSA	8.98	4.00	"	16.0		56.1	50-150				
Surrogate: M3PFBS	64.0		"	46.6		137	25-150				
Surrogate: M5PFHxA	66.5		"	50.0		133	25-150				
Surrogate: M4PFHpA	69.0		"	50.0		138	25-150				
Surrogate: M3PFHxS	56.1		"	47.4		118	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	63.0		"	50.0		126	25-150				
Surrogate: M6PFDA	32.6		"	25.0		130	25-150				
Surrogate: M7PFUdA	30.8		"	25.0		123	25-150				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH40944 - EPA 1633 Prep**

**LCS (BH40944-BS2)**

Prepared: 08/14/2024 Analyzed: 08/19/2024

Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	28.7		ng/L	25.0		115	25-150				
Surrogate: M2PFTeDA	23.0		"	25.0		92.1	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	164		"	200		82.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	59.4		"	47.9		124	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	136		"	100		136	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	60.1		"	50.0		120	10-150				
Surrogate: d3-N-MeFOSAA	127		"	100		127	25-150				
Surrogate: d5-N-EtFOSAA	125		"	100		125	25-150				
Surrogate: M2-6:2 FTS	119		"	95.1		125	25-200				
Surrogate: M2-8:2 FTS	130		"	96.0		136	25-200				
Surrogate: M9PFNA	30.0		"	25.0		120	25-150				
Surrogate: M2-4:2 FTS	122		"	93.8		130	25-150				
Surrogate: d-N-MeFOSA	42.7		"	50.0		85.3	25-150				
Surrogate: d-N-EtFOSA	31.7		"	50.0		63.4	25-150				
Surrogate: M3HFPO-DA	163		"	200		81.3	25-150				
Surrogate: d9-N-EtFOSE	338		"	500		67.5	25-150				
Surrogate: d7-N-MeFOSE	342		"	500		68.3	25-150				

**Matrix Spike (BH40944-MS1)**

\*Source sample: 24H0452-05 (MW-8D)

Prepared: 08/14/2024 Analyzed: 08/19/2024

Perfluorobutanesulfonic acid (PFBS)	77.3	3.28	ng/L	65.6	20.5	86.6	25-150				
Perfluorohexanoic acid (PFHxA)	78.1	3.71	"	74.2	14.9	85.3	25-150				
Perfluoroheptanoic acid (PFHpA)	65.7	3.71	"	74.2	5.05	81.8	25-150				
Perfluorohexanesulfonic acid (PFHxS)	64.4	3.39	"	67.8	2.49	91.2	25-150				
Perfluorooctanoic acid (PFOA)	77.7	3.71	"	74.2	14.5	85.2	25-150				
Perfluorooctanesulfonic acid (PFOS)	92.5	3.45	"	69.0	17.8	108	25-150				
Perfluorononanoic acid (PFNA)	80.7	3.71	"	74.2	2.38	106	25-150				
Perfluorodecanoic acid (PFDA)	70.6	3.71	"	74.2	ND	95.3	25-150				
Perfluoroundecanoic acid (PFUnA)	63.2	3.71	"	74.2	ND	85.3	25-150				
Perfluorododecanoic acid (PFDoA)	53.1	3.71	"	74.2	ND	71.6	25-150				
Perfluorotridecanoic acid (PFTrDA)	72.7	3.71	"	74.2	ND	98.0	25-150				
Perfluorotetradecanoic acid (PFTA)	62.1	3.71	"	74.2	ND	83.8	25-150				
N-MeFOSAA	74.6	3.71	"	74.2	ND	101	25-150				
N-EtFOSAA	60.5	3.71	"	74.2	ND	81.7	25-150				
Perfluoropentanoic acid (PFPeA)	153	7.42	"	148	20.1	89.6	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	58.9	3.71	"	74.2	ND	79.4	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	68.8	3.54	"	70.8	ND	97.1	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	61.6	3.58	"	71.6	ND	86.0	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	236	14.1	"	282	ND	83.6	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	205	14.2	"	285	ND	71.9	25-150				
Perfluoro-n-butanoic acid (PFBA)	273	14.8	"	297	6.52	89.8	25-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	139	6.60	"	132	ND	105	25-150				
Perfluoro-3,6-dioxahheptanoic acid (NFDHA)	133	7.42	"	148	ND	89.8	25-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	124	7.42	"	148	ND	83.7	25-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	133	7.42	"	148	ND	89.9	25-150				
Perfluoro-1-pentanesulfonate (PFPeS)	74.5	3.49	"	69.7	ND	107	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH40944 - EPA 1633 Prep

Matrix Spike (BH40944-MS1)	*Source sample: 24H0452-05 (MW-8D)						Prepared: 08/14/2024 Analyzed: 08/19/2024				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	226	13.9	ng/L	278	ND	81.4	25-150				
HFPO-DA (Gen-X)	152	14.8	"	148	ND	103	25-150				
11CL-PF3OUdS	155	14.0	"	140	8.91	104	25-150				
9CL-PF3ONS	181	13.9	"	139	ND	130	25-150				
ADONA	188	14.0	"	140	ND	134	25-150				
Perfluorododecanesulfonic acid (PFDoS)	50.4	3.60	"	71.9	ND	70.0	25-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	73.3	3.56	"	71.2	ND	103	25-150				
3-Perfluoropropyl propanoic acid (FPrPA)	157	9.27	"	297	ND	53.0	25-150				
3-Perfluoropentyl propanoic acid (FPePA)	971	46.3	"	1480	ND	65.5	25-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	1090	46.3	"	1480	ND	73.3	25-150				
N-MeFOSE	638	37.1	"	742	ND	86.1	25-150				
N-MeFOSA	44.6	3.71	"	74.2	ND	60.1	25-150				
N-EtFOSE	619	37.1	"	742	ND	83.5	25-150				
N-EtFOSA	62.3	3.71	"	74.2	ND	84.1	25-150				
Surrogate: M3PFBS	69.6		"	43.2		161	25-150				
Surrogate: M5PFHxA	59.5		"	46.3		128	25-150				
Surrogate: M4PFHpA	59.3		"	46.3		128	25-150				
Surrogate: M3PFHxS	52.7		"	43.9		120	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	58.2		"	46.3		126	25-150				
Surrogate: M6PFDA	29.0		"	23.2		125	25-150				
Surrogate: M7PFUdA	28.6		"	23.2		123	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	24.5		"	23.2		106	25-150				
Surrogate: M2PFTeDA	20.3		"	23.2		87.6	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	235		"	185		127	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	47.1		"	44.4		106	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	117		"	92.7		127	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	49.2		"	46.3		106	10-150				
Surrogate: d3-N-MeFOSAA	105		"	92.7		114	25-150				
Surrogate: d5-N-EtFOSAA	105		"	92.7		113	25-150				
Surrogate: M2-6:2 FTS	115		"	88.1		130	25-200				
Surrogate: M2-8:2 FTS	104		"	89.0		117	25-200				
Surrogate: M9PFNA	24.6		"	23.2		106	25-150				
Surrogate: M2-4:2 FTS	196		"	86.9		225	25-150				
Surrogate: d-N-MeFOSA	23.2		"	46.3		50.0	25-150				
Surrogate: d-N-EtFOSA	17.7		"	46.3		38.1	25-150				
Surrogate: M3HFPO-DA	121		"	185		65.1	25-150				
Surrogate: d9-N-EtFOSE	301		"	463		64.8	25-150				
Surrogate: d7-N-MeFOSE	292		"	463		63.0	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH40944 - EPA 1633 Prep</b>											
<b>Matrix Spike Dup (BH40944-MSD1)</b>	*Source sample: 24H0452-05 (MW-8D)						Prepared: 08/14/2024 Analyzed: 08/19/2024				
Perfluorobutanesulfonic acid (PFBS)	78.4	3.27	ng/L	65.3	20.5	88.7	25-150		1.44	35	
Perfluorohexanoic acid (PFHxA)	78.1	3.69	"	73.8	14.9	85.7	25-150		0.0439	35	
Perfluoroheptanoic acid (PFHpA)	66.7	3.69	"	73.8	5.05	83.5	25-150		1.47	35	
Perfluorohexanesulfonic acid (PFHxS)	63.9	3.38	"	67.5	2.49	91.0	25-150		0.693	35	
Perfluorooctanoic acid (PFOA)	78.6	3.69	"	73.8	14.5	86.8	25-150		1.10	35	
Perfluorooctanesulfonic acid (PFOS)	78.8	3.43	"	68.6	17.8	89.0	25-150		15.9	35	
Perfluorononanoic acid (PFNA)	72.4	3.69	"	73.8	2.38	94.8	25-150		10.9	35	
Perfluorodecanoic acid (PFDA)	66.2	3.69	"	73.8	ND	89.7	25-150		6.43	35	
Perfluoroundecanoic acid (PFUnA)	71.1	3.69	"	73.8	ND	96.3	25-150		11.7	35	
Perfluorododecanoic acid (PFDoA)	61.4	3.69	"	73.8	ND	83.1	25-150		14.5	35	
Perfluorotridecanoic acid (PFTriDA)	74.2	3.69	"	73.8	ND	101	25-150		2.15	35	
Perfluorotetradecanoic acid (PFTA)	64.2	3.69	"	73.8	ND	87.0	25-150		3.29	35	
N-MeFOSAA	67.1	3.69	"	73.8	ND	90.9	25-150		10.6	35	
N-EtFOSAA	62.9	3.69	"	73.8	ND	85.3	25-150		3.87	35	
Perfluoropentanoic acid (PFPeA)	154	7.38	"	148	20.1	90.4	25-150		0.339	35	
Perfluoro-1-octanesulfonamide (FOSA)	58.1	3.69	"	73.8	ND	78.7	25-150		1.41	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	60.7	3.52	"	70.5	ND	86.1	25-150		12.5	35	
Perfluoro-1-decanesulfonic acid (PFDS)	52.1	3.56	"	71.2	ND	73.2	25-150		16.6	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	265	14.0	"	280	ND	94.4	25-150		11.7	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	235	14.2	"	283	ND	82.9	25-150		13.8	35	
Perfluoro-n-butanoic acid (PFBA)	274	14.8	"	295	6.52	90.5	25-150		0.300	35	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	136	6.57	"	131	ND	104	25-150		1.96	30	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	126	7.38	"	148	ND	85.4	25-150		5.55	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	126	7.38	"	148	ND	85.4	25-150		1.48	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	139	7.38	"	148	ND	94.3	25-150		4.26	30	
Perfluoro-1-pentanesulfonate (PFPeS)	77.7	3.47	"	69.4	ND	112	25-150		4.27	30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	225	13.8	"	277	ND	81.3	25-150		0.610	30	
HFPO-DA (Gen-X)	152	14.8	"	148	ND	103	25-150		0.359	30	
11CL-PF3OUdS	161	13.9	"	139	8.91	109	25-150		3.65	30	
9CL-PF3ONS	199	13.8	"	138	ND	144	25-150		9.68	30	
ADONA	213	13.9	"	139	ND	153	25-150	High Bias	12.2	30	
Perfluorododecanesulfonic acid (PFDoS)	41.1	3.58	"	71.6	ND	57.4	25-150		20.3	30	
Perfluoro-1-nonanesulfonic acid (PFNS)	66.2	3.54	"	70.9	ND	93.4	25-150		10.3	30	
3-Perfluoropropyl propanoic acid (FPrPA)	155	9.23	"	295	ND	52.5	25-150		1.53	30	
3-Perfluoropentyl propanoic acid (FPePA)	978	46.1	"	1480	ND	66.2	25-150		0.666	30	
3-Perfluoroheptyl propanoic acid (FHpPA)	1090	46.1	"	1480	ND	73.6	25-150		0.0199	30	
N-MeFOSE	711	36.9	"	738	ND	96.4	25-150		10.8	30	
N-MeFOSA	46.6	3.69	"	73.8	ND	63.2	25-150		4.52	30	
N-EtFOSE	687	36.9	"	738	ND	93.1	25-150		10.4	30	
N-EtFOSA	98.0	3.69	"	73.8	ND	133	25-150		44.4	30	Non-dir.
Surrogate: M3PFBS	72.1		"	43.0		168	25-150				
Surrogate: M5PFHxA	55.1		"	46.1		120	25-150				
Surrogate: M4PFHpA	55.1		"	46.1		119	25-150				
Surrogate: M3PFHxS	53.4		"	43.7		122	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	56.1		"	46.1		122	25-150				
Surrogate: M6PFDA	27.4		"	23.1		119	25-150				
Surrogate: M7PFUdA	22.7		"	23.1		98.6	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH40944 - EPA 1633 Prep

Matrix Spike Dup (BH40944-MSD1) \*Source sample: 24H0452-05 (MW-8D) Prepared: 08/14/2024 Analyzed: 08/19/2024

Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	19.2		ng/L	23.1		83.2	25-150				
Surrogate: M2PFTeDA	18.3		"	23.1		79.2	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	224		"	185		122	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	51.2		"	44.2		116	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	107		"	92.3		116	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	51.4		"	46.1		112	10-150				
Surrogate: d3-N-MeFOSAA	102		"	92.3		111	25-150				
Surrogate: d5-N-EtFOSAA	95.1		"	92.3		103	25-150				
Surrogate: M2-6:2 FTS	116		"	87.7		132	25-200				
Surrogate: M2-8:2 FTS	103		"	88.6		116	25-200				
Surrogate: M9PFNA	27.6		"	23.1		120	25-150				
Surrogate: M2-4:2 FTS	207		"	86.5		239	25-150				
Surrogate: d-N-MeFOSA	26.9		"	46.1		58.3	25-150				
Surrogate: d-N-EtFOSA	15.1		"	46.1		32.8	25-150				
Surrogate: M3HFPO-DA	98.6		"	185		53.4	25-150				
Surrogate: d9-N-EtFOSE	279		"	461		60.6	25-150				
Surrogate: d7-N-MeFOSE	284		"	461		61.5	25-150				

Batch BH41186 - EPA 533

Blank (BH41186-BLK1) Prepared: 08/19/2024 Analyzed: 08/26/2024

ADONA	ND	1.00	ng/L								
9CL-PF3ONS	ND	1.00	"								
11CL-PF3OUdS	ND	1.00	"								
HFPO-DA (Gen-X)	ND	1.00	"								
Perfluorobutanesulfonic acid (PFBS)	ND	1.00	"								
Perfluorodecanoic acid (PFDA)	ND	1.00	"								
Perfluorododecanoic acid (PFDoA)	ND	1.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	1.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.00	"								
Perfluorohexanoic acid (PFHxA)	ND	1.00	"								
Perfluorononanoic acid (PFNA)	ND	1.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	1.00	"								
Perfluorooctanoic acid (PFOA)	ND	1.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	1.00	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	1.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	1.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	1.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.00	"								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	1.00	"								



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BH41186 - EPA 533**

**Blank (BH41186-BLK1)**

Prepared: 08/19/2024 Analyzed: 08/26/2024

Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.00	ng/L								
Surrogate: MPFDoA	17.6		"	20.0		87.8	50-200				
Surrogate: MPFBA	19.5		"	20.0		97.3	50-200				
Surrogate: M9PFNA	16.8		"	20.0		83.8	50-200				
Surrogate: M8PFOS	17.5		"	19.2		91.2	50-200				
Surrogate: M8PFOA	18.6		"	20.0		92.8	50-200				
Surrogate: M7PFUdA	18.7		"	20.0		93.3	50-200				
Surrogate: M6PFDA	18.8		"	20.0		93.9	50-200				
Surrogate: M5PFPeA	21.6		"	20.0		108	50-200				
Surrogate: M5PFHxA	18.9		"	20.0		94.7	50-200				
Surrogate: M4PFHpA	19.4		"	20.0		96.9	50-200				
Surrogate: M3PFHxS	19.0		"	19.0		100	50-200				
Surrogate: M3PFBS	17.6		"	18.6		94.5	50-200				
Surrogate: M3HFPO-DA	15.9		"	20.0		79.7	50-200				
Surrogate: M2-8:2 FTS	69.0		"	76.8		89.8	50-200				
Surrogate: M2-6:2 FTS	67.9		"	76.0		89.3	50-200				
Surrogate: M2-4:2 FTS	65.6		"	75.2		87.2	50-200				

**LCS (BH41186-BS1)**

Prepared: 08/19/2024 Analyzed: 08/26/2024

ADONA	34.6	1.00	ng/L	37.8		91.6	70-130				
9CL-PF3ONS	38.8	1.00	"	37.4		104	70-130				
11CL-PF3OUdS	39.2	1.00	"	37.8		104	70-130				
HFPO-DA (Gen-X)	38.3	1.00	"	40.0		95.7	70-130				
Perfluorobutanesulfonic acid (PFBS)	40.1	1.00	"	35.5		113	70-130				
Perfluorodecanoic acid (PFDA)	37.7	1.00	"	40.0		94.3	70-130				
Perfluorododecanoic acid (PFDoA)	37.6	1.00	"	40.0		94.0	70-130				
Perfluoroheptanoic acid (PFHpA)	37.7	1.00	"	40.0		94.3	70-130				
Perfluorohexanesulfonic acid (PFHxS)	38.9	1.00	"	36.5		107	70-130				
Perfluorohexanoic acid (PFHxA)	38.5	1.00	"	40.0		96.2	70-130				
Perfluorononanoic acid (PFNA)	44.5	1.00	"	40.0		111	70-130				
Perfluorooctanesulfonic acid (PFOS)	35.3	1.00	"	37.1		95.2	70-130				
Perfluorooctanoic acid (PFOA)	40.1	1.00	"	40.0		100	70-130				
Perfluoroundecanoic acid (PFUnA)	39.4	1.00	"	40.0		98.5	70-130				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	36.1	1.00	"	37.5		96.1	70-130				
Perfluoro-1-pentanesulfonate (PFPeS)	42.1	1.00	"	37.6		112	70-130				
Perfluoro-n-butanoic acid (PFBA)	38.3	1.00	"	40.0		95.8	70-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	36.9	2.00	"	38.4		96.2	70-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	36.4	2.00	"	38.1		95.6	70-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	36.8	2.00	"	38.2		96.4	70-130				
Perfluoropentanoic acid (PFPeA)	37.5	1.00	"	40.0		93.7	70-130				
Perfluoro-5-oxahexanoic acid (PFMBA)	42.0	1.00	"	40.0		105	70-130				
Perfluoro-4-oxapentanoic acid (PFMPA)	40.8	1.00	"	40.0		102	70-130				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	32.6	1.00	"	40.0		81.6	70-130				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	40.6	1.00	"	35.7		114	70-130				
Surrogate: MPFDoA	18.9		"	20.0		94.4	50-200				
Surrogate: MPFBA	20.5		"	20.0		102	50-200				
Surrogate: M9PFNA	16.6		"	20.0		83.0	50-200				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	RPD	Flag
		Limit			Result					Limit	

**Batch BH41186 - EPA 533**

**LCS (BH41186-BS1)**

Prepared: 08/19/2024 Analyzed: 08/26/2024

Surrogate: M8PFOS	18.7		ng/L	19.2		97.4	50-200				
Surrogate: M8PFOA	18.7		"	20.0		93.3	50-200				
Surrogate: M7PFUdA	19.1		"	20.0		95.7	50-200				
Surrogate: M6PFDA	19.3		"	20.0		96.4	50-200				
Surrogate: M5PFPeA	22.8		"	20.0		114	50-200				
Surrogate: M5PFHxA	19.5		"	20.0		97.5	50-200				
Surrogate: M4PFHpA	19.5		"	20.0		97.7	50-200				
Surrogate: M3PFHxS	18.5		"	19.0		97.5	50-200				
Surrogate: M3PFBS	17.1		"	18.6		91.9	50-200				
Surrogate: M3HFPO-DA	16.9		"	20.0		84.5	50-200				
Surrogate: M2-8:2 FTS	76.7		"	76.8		99.9	50-200				
Surrogate: M2-6:2 FTS	71.5		"	76.0		94.1	50-200				
Surrogate: M2-4:2 FTS	77.3		"	75.2		103	50-200				



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
24H0452-01	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24H0452-02	MW-3S	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24H0452-03	MW-3D	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24H0452-05	MW-8D	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24H0452-07	Dup-01	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24H0452-08	Salon Pretreatment	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24H0452-10	Salon Midfluent 1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24H0452-11	Salon Midfluent 2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24H0452-12	Salon Effluent	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24H0452-13	Cleaners Pretreatment	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24H0452-15	Cleaners Midfluent	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24H0452-16	Cleaners Effluent	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



## Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PF-LCS-L	The LCS recovery for this PFAS compound was below control limits.
PF-CCV-L	The CCV recovery for this PFAS compound was below control limits.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

## Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW -846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.



If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

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York Analytical Laboratories, Inc.  
 120 Research Drive  
 Stratford, CT 06615  
 clientservices@yorklab.com  
 www.yorklab.com

# Field Chain-of-Custody Record

YORK Project No.  
 2440452

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

Page 1 of 2

<b>YOUR INFORMATION</b>		<b>Report To:</b>		<b>Invoice To:</b>		<b>YOUR Project Number</b>		<b>Turn-Around Time</b>	
Company:	Hydro Environmental Solutions Inc	Company:		Company:		<b>YOUR Project Name</b>		RUSH - Next Day	
Address:	2 Center Street, Croton Falls, New York 10519	Address:		Address:		406 Route 52 Carmel, New York		RUSH - Two Day	
Phone:	914-276-2560	Phone:		Phone:		YOUR PO#:		RUSH - Three Day	
Contact:	Patti Claus	Contact:		Contact:				RUSH - Four Day	
E-mail:	pclaus@hessny.com	E-mail:		E-mail:				Standard (5-7 Day)	<input checked="" type="checkbox"/>

**Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.**

*Nicholas Carbone*  
 Samples Collected by: (print your name above and sign below)

Sample Identification	Sample Matrix	Matrix Codes	Samples From	Report / EDD Type (circle selections)	Analysis Requested	Container Description
Trip Blank	GW	S - soil / solid	New York	<input checked="" type="checkbox"/> Summary Report	EPA 8260	6) HCL VOAs
MW-3.5	GW	GW - groundwater	New Jersey	<input type="checkbox"/> QA Report	EPA 8260	3) HCL VOAs
MW-3D	GW	DW - drinking water	Connecticut	<input type="checkbox"/> NY ASP A Package	EPA 8260, 1,4-Dioxane, PFAS (537m)	3) HCL VOAs; L Amber
MW-3D Field Blank	GW	WW - wastewater	Pennsylvania	<input type="checkbox"/> NY ASP B Package	EPA 8260, 1,4-Dioxane, PFAS (537m)	2) Plastic 150ml
MW-8D	GW	O - Oil ; Other	Other		EPA 8260, 1,4-Dioxane, PFAS (537m)	3) HCL VOAs
MW-8D MS	GW					1) L Amber
MW-8D MSD	GW					2) Plastic 150ml
MW-8D (Field Blank)	GW					2) Plastic 150ml
Dup-01	GW					3) HCL VOAs; L Amber
						2) 150ml plastic

**Comments:**

HCl \_\_\_ MeOH \_\_\_ HNO3 \_\_\_ H2SO4 \_\_\_ NaOH \_\_\_ ZnAc \_\_\_  
 Ascorbic Acid \_\_\_ Other: \_\_\_

**Preservation: (check all that apply)**

Samples Relinquished by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received in LAB by	Date/Time	Temp. Received at Lab



York Analytical Laboratories, Inc.  
 120 Research Drive  
 Stratford, CT 06615  
 clientservices@yorklab.com  
 www.yorklab.com



**YOUR INFORMATION**

Company: Hydro Environmental Solutions Inc  
 Address: 2 Center Street, Center Falls, New York 10519  
 Phone: 914-276-2560  
 Contact: Patricia Clouse  
 E-mail: pclouse@hessny.com

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Nicholas Carbone  
 Samples Collected by: (print your name above and sign below)

*[Signature]*

**Sample Identification**

Salon Pretreatment	DW	8/6/14 12pm	EPA 8260, 1,4-Dioxane, PFAS (S37M)
Salon Pretreatment (Field Blank)	DW	8/6/14 12pm	PFAS (S37M)
Salon Midfluent 1	DW	8/6/14 12pm	EPA 8260
Salon Midfluent 2	DW	8/6/14 12pm	EPA 8260
Salon Effluent	DW	8/6/14 12pm	EPA 8260
Cleaners Pretreatment	DW	8/6/14 2pm	EPA 8260, 1,4-Dioxane, PFAS (S37M)
Cleaners Pretreatment (Field Blank)	DW	8/6/14 2pm	PFAS (S37M)
Cleaners Midfluent	DW	8/6/14 2pm	EPA 8260
Cleaners Effluent	DW	8/6/14 2pm	EPA 8260

**Comments:**

Preservation: (check all that apply)  
 HCl  MeOH  HNO<sub>3</sub>  H<sub>2</sub>SO<sub>4</sub>  NaOH  ZnAc   
 Ascorbic Acid  Other:

Samples Relinquished by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
<i>[Signature]</i>	8/7/14 13:00	<i>[Signature]</i>	8/7/14 14:30

# Field Chain-of-Custody Record

YORK Project No. 24H0452  
 Page 2 of 2

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

Report To: AF  
 Invoice To: SA  
 YOUR Project Number: 406 Route St Carmel, New York  
 YOUR Project Name: New York  
 YOUR PO#:

Turn-Around Time:  
 RUSH - Next Day  
 RUSH - Two Day  
 RUSH - Three Day  
 RUSH - Four Day  
 Standard (5-7 Day)

Matrix Codes	Samples From	Report / EDD Type (circle selections)	YORK Reg. Comp.
S - soil / solid	New York	<input checked="" type="checkbox"/> Summary Report	Compared to the following Regulation(s): (please fill in)  (1) HCL VOA's (1) 250ml Plastic (2) 250ml Plastic (3) HCL VOA's (3) HCL VOA's (3) HCL VOA's (3) HCL VOA's (1) 250ml Plastic (2) 250ml Plastic (3) HCL VOA's (3) HCL VOA's
GW - groundwater	New Jersey	<input type="checkbox"/> QA Report	
DW - drinking water	Connecticut	<input type="checkbox"/> NY ASP A Package	
WW - wastewater	Pennsylvania	<input type="checkbox"/> NY ASP B Package	
O - Oil ; Other	Other	<input type="checkbox"/> Other:	

Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
DW	8/6/14 12pm	EPA 8260, 1,4-Dioxane, PFAS (S37M)	(1) HCL VOA's (1) 250ml Plastic
DW	8/6/14 12pm	PFAS (S37M)	(2) 250ml Plastic
DW	8/6/14 12pm	EPA 8260	(3) HCL VOA's
DW	8/6/14 12pm	EPA 8260	(3) HCL VOA's
DW	8/6/14 12pm	EPA 8260	(3) HCL VOA's
DW	8/6/14 2pm	EPA 8260, 1,4-Dioxane, PFAS (S37M)	(1) HCL VOA's (1) 250ml Plastic
DW	8/6/14 2pm	PFAS (S37M)	(2) 250ml Plastic
DW	8/6/14 2pm	EPA 8260	(3) HCL VOA's
DW	8/6/14 2pm	EPA 8260	(3) HCL VOA's



Friday, June 27, 2025

Attn: Patricia Clause  
HydroEnvironmental Solutions, Inc.  
2 Center Street  
Croton Falls, New York 10519-092

Project ID: 406 ROUTE 52, CARMEL, NY  
SDG ID: GCT48047  
Sample ID#s: CT48047 - CT48062

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #M-CT007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## SDG Comments

June 27, 2025

SDG I.D.: GCT48047

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8260 Volatile Organics:

1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/ECD method 504 or 8011 to achieve this criteria.



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Sample Id Cross Reference

June 27, 2025

SDG I.D.: GCT48047

Project ID: 406 ROUTE 52, CARMEL, NY

Client Id	Lab Id	Matrix	Col Date
SALON PRE-TREATMENT	CT48047	DRINKING WATER	06/05/25 9:00
SALON MIDFLUENT 1	CT48048	DRINKING WATER	06/05/25 9:10
SALON MIDFLUENT 2	CT48049	DRINKING WATER	06/05/25 9:15
SALON EFFLUENT	CT48050	DRINKING WATER	06/05/25 9:20
DRY CLEANERS PRE-TREATMENT	CT48051	DRINKING WATER	06/05/25 9:25
DRY CLEANERS MIDFLUENT	CT48052	DRINKING WATER	06/05/25 9:30
DRY CLEANERS EFFLUENT	CT48053	DRINKING WATER	06/05/25 9:30
TRIP BLANK	CT48054	WATER	06/05/25 0:00
FIELD BLANK	CT48055	WATER	06/05/25 9:00
DRY CLEANERS MIDFLUENT 2	CT48056	DRINKING WATER	06/05/25 9:35
MW-3S	CT48057	GROUND WATER	06/05/25 10:00
MW-3D	CT48058	GROUND WATER	06/05/25 11:00
MW-6	CT48059	GROUND WATER	06/05/25 12:00
MW-7	CT48060	GROUND WATER	06/05/25 12:30
MW-8D	CT48061	GROUND WATER	06/05/25 13:30
GW FIELD BLANK	CT48062	WATER	06/05/25 13:00



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Jason Aurricchio (203) 297-3673



# Analysis Report

June 27, 2025

FOR: Attn: Patricia Clause  
 HydroEnvironmental Solutions, Inc.  
 2 Center Street  
 Croton Falls, New York 10519-092

## Sample Information

Matrix: DRINKING WATER  
 Location Code: HES-NY  
 Rush Request: Standard  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SR1  
 Analyzed by: see "By" below

Date: 06/05/25 9:00  
 06/10/25 17:52

## Laboratory Data

SDG ID: GCT48047  
 Phoenix ID: CT48047

Project ID: 406 ROUTE 52, CARMEL, NY  
 Client ID: SALON PRE-TREATMENT

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference	
PFAS (18)	Completed							06/13/25	JTG	EPA 537.1	C
<b>PFAS (18)</b>											
11CI-PF3OUdS	ND	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
9CI-PF3ONS	ND	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
ADONA	ND	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
HFPO-DA	ND	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
NEtFOSAA	ND	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
NMeFOSAA	ND	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
Perfluorobutanesulfonic Acid (PFBS)	15.6	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
Perfluorodecanoic Acid (PFDA)	ND	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
Perfluorododecanoic Acid (PFDoA)	ND	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
Perfluoroheptanoic Acid (PFHpA)	4.36	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
Perfluorohexanesulfonic Acid (PFHxS)	2.31	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
Perfluorohexanoic Acid (PFHxA)	10.5	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
Perfluorononanoic Acid (PFNA)	ND	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
Perfluorooctanesulfonic Acid (PFOS)	15.1	1.96	1	ng/L		4		06/17/25	JTG	EPA 537.1	C
*** Perfluorooctanesulfonic Acid (PFOS) exceeds MCL levels of 4 ***											
Perfluorooctanoic Acid (PFOA)	12.9	1.96	1	ng/L		4		06/17/25	JTG	EPA 537.1	C
*** Perfluorooctanoic Acid (PFOA) exceeds MCL levels of 4 ***											
Perfluorotetradecanoic Acid (PFTA)	ND	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
Perfluorotridecanoic Acid (PFTrDA)	ND	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
Perfluoroundecanoic Acid (PFUnA)	ND	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
<b>QA/QC Surrogates</b>											
% d5-N-EtFOSAA	123		1	%	NA	NA	NA	06/17/25	JTG	70 - 130 %	C
% M3HFPO-DA	96.2		1	%	NA	NA	NA	06/17/25	JTG	70 - 130 %	C
% MPFDA	98.1		1	%	NA	NA	NA	06/17/25	JTG	70 - 130 %	C
% MPFHxA	91.5		1	%	NA	NA	NA	06/17/25	JTG	70 - 130 %	C

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
<b><u>PFAS - Hazard Index</u></b>										
Hazard Index	0.265			NA				06/17/25	JTG	EPA 537.1
<b><u>Volatiles</u></b>										
1,1,1,2-Tetrachloroethane	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
1,1,1-Trichloroethane	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
1,1,2,2-Tetrachloroethane	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
1,1,2-Trichloroethane	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
1,1,2-Trichlorotrifluoroethane	ND	0.50	1	ug/L				06/17/25	JLI	E524.2
1,1-Dichloroethane	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
1,1-Dichloroethene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
1,1-Dichloropropene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
1,2,3-Trichlorobenzene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
1,2,3-Trichloropropane	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
1,2,4-Trichlorobenzene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
1,2,4-Trimethylbenzene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
1,2-Dichlorobenzene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
1,2-Dichloroethane	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
1,2-Dichloropropane	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
1,3,5-Trimethylbenzene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
1,3-Dichlorobenzene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
1,3-Dichloropropane	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
1,4-Dichlorobenzene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
2,2-Dichloropropane	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
2-Chlorotoluene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
4-Chlorotoluene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
Benzene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
Bromobenzene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
Bromochloromethane	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
Bromodichloromethane	ND	0.50	1	ug/L				06/17/25	JLI	E524.2
Bromoform	ND	0.50	1	ug/L				06/17/25	JLI	E524.2
Bromomethane	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
Carbon tetrachloride	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
Chlorobenzene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
Chloroethane	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
Chloroform	ND	0.50	1	ug/L				06/17/25	JLI	E524.2
Chloromethane	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
cis-1,2-Dichloroethene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
cis-1,3-Dichloropropene	ND	0.40	1	ug/L		5		06/17/25	JLI	E524.2
Dibromochloromethane	ND	0.50	1	ug/L				06/17/25	JLI	E524.2
Dibromomethane	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
Dichlorodifluoromethane	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
Ethylbenzene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
Hexachlorobutadiene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
Isopropylbenzene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
m&p-Xylene	ND	0.50	1	ug/L				06/17/25	JLI	E524.2
Methyl t-butyl ether (MTBE)	ND	0.50	1	ug/L		10		06/17/25	JLI	E524.2
Methylene chloride	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
Naphthalene	ND	0.50	1	ug/L				06/17/25	JLI	E524.2

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
n-Butylbenzene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
n-Propylbenzene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
o-Xylene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
p-Isopropyltoluene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
sec-Butylbenzene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
Styrene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
tert-Butylbenzene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
Tetrachloroethene	0.93	0.50	1	ug/L		5		06/17/25	JLI	E524.2
Toluene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
Total 1,3-Dichloropropene	ND	0.40	1	ug/L				06/17/25	JLI	E524.2
Total Trihalomethanes	ND	0.50	1	ug/L		80		06/17/25	JLI	E524.2
Total Xylenes	ND	0.50	1	ug/L		10000		06/17/25	JLI	E524.2
trans-1,2-Dichloroethene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
trans-1,3-Dichloropropene	ND	0.40	1	ug/L		5		06/17/25	JLI	E524.2
Trichloroethene	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
Trichlorofluoromethane	ND	0.50	1	ug/L		5		06/17/25	JLI	E524.2
Vinyl chloride	ND	0.50	1	ug/L		2		06/17/25	JLI	E524.2
<b><u>QA/QC Surrogates</u></b>										
% 1,2-dichlorobenzene-d4	96		1	%	NA	NA	NA	06/17/25	JLI	70 - 130 %
% Bromofluorobenzene	100		1	%	NA	NA	NA	06/17/25	JLI	70 - 130 %
Volatile Library Search	Completed							06/17/25	JLI	
<b><u>1,4-dioxane</u></b>										
1,4-dioxane	ND	1.0	1	ug/l		1		06/25/25	AW	EPA522
<b><u>QA/QC Surrogates</u></b>										
% 1,4-dioxane-d8	105		1	%	NA	NA	NA	06/25/25	AW	70 - 130 %
Extraction for 1,4-Dioxane	Completed							06/24/25	A/A	EPA522

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

C = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected

BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.)

AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal LOD=Limit of Detection

MDL=Method Detection Limit

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Maximum Contaminant Level (MCL) (Lower of): 40 CFR Part 141 MCLs; New York State Public Health Law, Section 225 Part 5. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

\*See attached

PFAS (18) (EPA 537.1), PFAS - Hazard Index (EPA 537.1), PFAS Extraction (EPA 537.1) were analyzed by NY certified lab #12058.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Jason Aurrichio at (203) 297-3673. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**June 27, 2025**

**Reviewed and Released by: Helen Geoghegan, Project Manager**



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Jason Aurricchio (203) 297-3673



Analysis Report

June 27, 2025

FOR: Attn: Patricia Clause  
HydroEnvironmental Solutions, Inc.  
2 Center Street  
Croton Falls, New York 10519-092

Sample Information

Matrix: DRINKING WATER  
Location Code: HES-NY  
Rush Request: Standard  
P.O.#:

Custody Information

Collected by:  
Received by: SR1  
Analyzed by: see "By" below

Date

06/05/25  
06/10/25

Time

9:10  
17:52

Laboratory Data

SDG ID: GCT48047  
Phoenix ID: CT48048

Project ID: 406 ROUTE 52, CARMEL, NY  
Client ID: SALON MIDFLUENT 1

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
<b>Volatiles</b>										
1,1,1,2-Tetrachloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,1,1-Trichloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,1,2,2-Tetrachloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,1,2-Trichloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,1,2-Trichlorotrifluoroethane	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
1,1-Dichloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,1-Dichloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,1-Dichloropropene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2,3-Trichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2,3-Trichloropropane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2,4-Trichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2,4-Trimethylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2-Dichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2-Dichloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2-Dichloropropane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,3,5-Trimethylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,3-Dichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,3-Dichloropropane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,4-Dichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
2,2-Dichloropropane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
2-Chlorotoluene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
4-Chlorotoluene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Benzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Bromobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Bromochloromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Bromodichloromethane	ND	0.50	1	ug/L				06/14/25	JLI	E524.2

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
Bromoform	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
Bromomethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Carbon tetrachloride	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Chlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Chloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Chloroform	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
Chloromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
cis-1,2-Dichloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
cis-1,3-Dichloropropene	ND	0.40	1	ug/L		5		06/14/25	JLI	E524.2
Dibromochloromethane	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
Dibromomethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Dichlorodifluoromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Ethylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Hexachlorobutadiene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Isopropylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
m&p-Xylene	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
Methyl t-butyl ether (MTBE)	ND	0.50	1	ug/L		10		06/14/25	JLI	E524.2
Methylene chloride	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Naphthalene	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
n-Butylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
n-Propylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
o-Xylene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
p-Isopropyltoluene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
sec-Butylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Styrene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
tert-Butylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Tetrachloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Toluene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Total 1,3-Dichloropropene	ND	0.40	1	ug/L				06/14/25	JLI	E524.2
Total Trihalomethanes	ND	0.50	1	ug/L		80		06/14/25	JLI	E524.2
Total Xylenes	ND	0.50	1	ug/L		10000		06/14/25	JLI	E524.2
trans-1,2-Dichloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
trans-1,3-Dichloropropene	ND	0.40	1	ug/L		5		06/14/25	JLI	E524.2
Trichloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Trichlorofluoromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Vinyl chloride	ND	0.50	1	ug/L		2		06/14/25	JLI	E524.2
<b><u>QA/QC Surrogates</u></b>										
% 1,2-dichlorobenzene-d4	98		1	%	NA	NA	NA	06/14/25	JLI	70 - 130 %
% Bromofluorobenzene	97		1	%	NA	NA	NA	06/14/25	JLI	70 - 130 %
Volatile Library Search	Completed							06/16/25	JLI	

1

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
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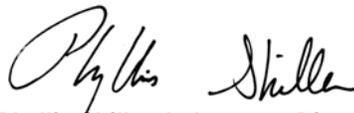
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected  
BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.)  
AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Maximum Contaminant Level (MCL) (Lower of): 40 CFR Part 141 MCLs; New York State Public Health Law, Section 225 Part 5. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Jason Aurrichio at (203) 297-3673. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**June 27, 2025**

**Reviewed and Released by: Helen Geoghegan, Project Manager**



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Jason Aurricchio (203) 297-3673



# Analysis Report

June 27, 2025

FOR: Attn: Patricia Clause  
 HydroEnvironmental Solutions, Inc.  
 2 Center Street  
 Croton Falls, New York 10519-092

## Sample Information

Matrix: DRINKING WATER  
 Location Code: HES-NY  
 Rush Request: Standard  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SR1  
 Analyzed by: see "By" below

## Date

06/05/25  
 06/10/25

## Time

9:15  
 17:52

## Laboratory Data

SDG ID: GCT48047  
 Phoenix ID: CT48049

Project ID: 406 ROUTE 52, CARMEL, NY  
 Client ID: SALON MIDFLUENT 2

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
<b>Volatiles</b>										
1,1,1,2-Tetrachloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,1,1-Trichloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,1,2,2-Tetrachloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,1,2-Trichloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,1,2-Trichlorotrifluoroethane	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
1,1-Dichloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,1-Dichloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,1-Dichloropropene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2,3-Trichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2,3-Trichloropropane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2,4-Trichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2,4-Trimethylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2-Dichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2-Dichloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2-Dichloropropane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,3,5-Trimethylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,3-Dichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,3-Dichloropropane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,4-Dichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
2,2-Dichloropropane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
2-Chlorotoluene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
4-Chlorotoluene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Benzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Bromobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Bromochloromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Bromodichloromethane	ND	0.50	1	ug/L				06/14/25	JLI	E524.2

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
Bromoform	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
Bromomethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Carbon tetrachloride	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Chlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Chloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Chloroform	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
Chloromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
cis-1,2-Dichloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
cis-1,3-Dichloropropene	ND	0.40	1	ug/L		5		06/14/25	JLI	E524.2
Dibromochloromethane	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
Dibromomethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Dichlorodifluoromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Ethylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Hexachlorobutadiene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Isopropylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
m&p-Xylene	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
Methyl t-butyl ether (MTBE)	ND	0.50	1	ug/L		10		06/14/25	JLI	E524.2
Methylene chloride	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Naphthalene	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
n-Butylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
n-Propylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
o-Xylene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
p-Isopropyltoluene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
sec-Butylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Styrene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
tert-Butylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Tetrachloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Toluene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Total 1,3-Dichloropropene	ND	0.40	1	ug/L				06/14/25	JLI	E524.2
Total Trihalomethanes	ND	0.50	1	ug/L		80		06/14/25	JLI	E524.2
Total Xylenes	ND	0.50	1	ug/L		10000		06/14/25	JLI	E524.2
trans-1,2-Dichloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
trans-1,3-Dichloropropene	ND	0.40	1	ug/L		5		06/14/25	JLI	E524.2
Trichloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Trichlorofluoromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Vinyl chloride	ND	0.50	1	ug/L		2		06/14/25	JLI	E524.2
<b><u>QA/QC Surrogates</u></b>										
% 1,2-dichlorobenzene-d4	97		1	%	NA	NA	NA	06/14/25	JLI	70 - 130 %
% Bromofluorobenzene	97		1	%	NA	NA	NA	06/14/25	JLI	70 - 130 %
Volatile Library Search	Completed							06/16/25	JLI	

1

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
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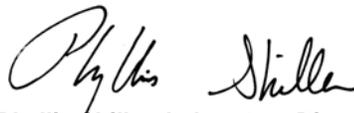
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected  
BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.)  
AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Maximum Contaminant Level (MCL) (Lower of): 40 CFR Part 141 MCLs; New York State Public Health Law, Section 225 Part 5. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Jason Aurrichio at (203) 297-3673. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**June 27, 2025**

**Reviewed and Released by: Helen Geoghegan, Project Manager**



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Jason Aurricchio (203) 297-3673



# Analysis Report

June 27, 2025

FOR: Attn: Patricia Clause  
 HydroEnvironmental Solutions, Inc.  
 2 Center Street  
 Croton Falls, New York 10519-092

## Sample Information

Matrix: DRINKING WATER  
 Location Code: HES-NY  
 Rush Request: Standard  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SR1  
 Analyzed by: see "By" below

## Date

06/05/25  
 06/10/25

## Time

9:20  
 17:52

## Laboratory Data

SDG ID: GCT48047  
 Phoenix ID: CT48050

Project ID: 406 ROUTE 52, CARMEL, NY  
 Client ID: SALON EFFLUENT

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
<b>Volatiles</b>										
1,1,1,2-Tetrachloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,1,1-Trichloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,1,2,2-Tetrachloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,1,2-Trichloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,1,2-Trichlorotrifluoroethane	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
1,1-Dichloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,1-Dichloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,1-Dichloropropene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2,3-Trichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2,3-Trichloropropane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2,4-Trichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2,4-Trimethylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2-Dichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2-Dichloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2-Dichloropropane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,3,5-Trimethylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,3-Dichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,3-Dichloropropane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,4-Dichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
2,2-Dichloropropane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
2-Chlorotoluene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
4-Chlorotoluene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Benzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Bromobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Bromochloromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Bromodichloromethane	ND	0.50	1	ug/L				06/14/25	JLI	E524.2

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
Bromoform	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
Bromomethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Carbon tetrachloride	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Chlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Chloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Chloroform	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
Chloromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
cis-1,2-Dichloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
cis-1,3-Dichloropropene	ND	0.40	1	ug/L		5		06/14/25	JLI	E524.2
Dibromochloromethane	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
Dibromomethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Dichlorodifluoromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Ethylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Hexachlorobutadiene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Isopropylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
m&p-Xylene	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
Methyl t-butyl ether (MTBE)	ND	0.50	1	ug/L		10		06/14/25	JLI	E524.2
Methylene chloride	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Naphthalene	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
n-Butylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
n-Propylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
o-Xylene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
p-Isopropyltoluene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
sec-Butylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Styrene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
tert-Butylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Tetrachloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Toluene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Total 1,3-Dichloropropene	ND	0.40	1	ug/L				06/14/25	JLI	E524.2
Total Trihalomethanes	ND	0.50	1	ug/L		80		06/14/25	JLI	E524.2
Total Xylenes	ND	0.50	1	ug/L		10000		06/14/25	JLI	E524.2
trans-1,2-Dichloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
trans-1,3-Dichloropropene	ND	0.40	1	ug/L		5		06/14/25	JLI	E524.2
Trichloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Trichlorofluoromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Vinyl chloride	ND	0.50	1	ug/L		2		06/14/25	JLI	E524.2
<b><u>QA/QC Surrogates</u></b>										
% 1,2-dichlorobenzene-d4	98		1	%	NA	NA	NA	06/14/25	JLI	70 - 130 %
% Bromofluorobenzene	98		1	%	NA	NA	NA	06/14/25	JLI	70 - 130 %
Volatile Library Search	Completed							06/16/25	JLI	

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Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
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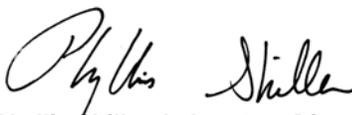
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected  
BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.)  
AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Maximum Contaminant Level (MCL) (Lower of): 40 CFR Part 141 MCLs; New York State Public Health Law, Section 225 Part 5. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Jason Aurrichio at (203) 297-3673. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**June 27, 2025**

**Reviewed and Released by: Helen Geoghegan, Project Manager**



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Jason Aurricchio (203) 297-3673



# Analysis Report

June 27, 2025

FOR: Attn: Patricia Clause  
 HydroEnvironmental Solutions, Inc.  
 2 Center Street  
 Croton Falls, New York 10519-092

## Sample Information

Matrix: DRINKING WATER  
 Location Code: HES-NY  
 Rush Request: Standard  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SR1  
 Analyzed by: see "By" below

Date: 06/05/25 9:25  
 06/10/25 17:52

## Laboratory Data

SDG ID: GCT48047  
 Phoenix ID: CT48051

Project ID: 406 ROUTE 52, CARMEL, NY  
 Client ID: DRY CLEANERS PRE-TREATMENT

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference	
PFAS (18)	Completed							06/13/25	JTG	EPA 537.1	C
<b>PFAS (18)</b>											
11CI-PF3OUdS	ND	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
9CI-PF3ONS	ND	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
ADONA	ND	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
HFPO-DA	ND	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
NEtFOSAA	ND	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
NMeFOSAA	ND	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
Perfluorobutanesulfonic Acid (PFBS)	41.5	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
Perfluorodecanoic Acid (PFDA)	ND	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
Perfluorododecanoic Acid (PFDoA)	ND	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
Perfluoroheptanoic Acid (PFHpA)	5.18	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
Perfluorohexanesulfonic Acid (PFHxS)	3.24	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
Perfluorohexanoic Acid (PFHxA)	23.8	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
Perfluorononanoic Acid (PFNA)	ND	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
Perfluorooctanesulfonic Acid (PFOS)	17.0	1.96	1	ng/L		4		06/17/25	JTG	EPA 537.1	C
*** Perfluorooctanesulfonic Acid (PFOS) exceeds MCL levels of 4 ***											
Perfluorooctanoic Acid (PFOA)	13.8	1.96	1	ng/L		4		06/17/25	JTG	EPA 537.1	C
*** Perfluorooctanoic Acid (PFOA) exceeds MCL levels of 4 ***											
Perfluorotetradecanoic Acid (PFTA)	ND	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
Perfluorotridecanoic Acid (PFTrDA)	ND	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
Perfluoroundecanoic Acid (PFUnA)	ND	1.96	1	ng/L				06/17/25	JTG	EPA 537.1	C
<b>QA/QC Surrogates</b>											
% d5-N-EtFOSAA	101		1	%	NA	NA	NA	06/17/25	JTG	70 - 130 %	C
% M3HFPO-DA	96.9		1	%	NA	NA	NA	06/17/25	JTG	70 - 130 %	C
% MPFDA	95.6		1	%	NA	NA	NA	06/17/25	JTG	70 - 130 %	C
% MPFHxA	95.3		1	%	NA	NA	NA	06/17/25	JTG	70 - 130 %	C

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference	
<b>PFAS - Hazard Index</b>											
Hazard Index	0.381			NA				06/17/25	JTG	EPA 537.1	C
<b>Volatiles</b>											
1,1,1,2-Tetrachloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,1,1-Trichloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,1,2,2-Tetrachloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,1,2-Trichloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,1,2-Trichlorotrifluoroethane	ND	0.50	1	ug/L				06/14/25	JLI	E524.2	1
1,1-Dichloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,1-Dichloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,1-Dichloropropene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,2,3-Trichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,2,3-Trichloropropane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,2,4-Trichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,2,4-Trimethylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,2-Dichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,2-Dichloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,2-Dichloropropane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,3,5-Trimethylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,3-Dichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,3-Dichloropropane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,4-Dichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
2,2-Dichloropropane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
2-Chlorotoluene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
4-Chlorotoluene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
Benzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
Bromobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
Bromochloromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
Bromodichloromethane	ND	0.50	1	ug/L				06/14/25	JLI	E524.2	
Bromoform	ND	0.50	1	ug/L				06/14/25	JLI	E524.2	
Bromomethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
Carbon tetrachloride	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
Chlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
Chloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
Chloroform	ND	0.50	1	ug/L				06/14/25	JLI	E524.2	
Chloromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
cis-1,2-Dichloroethene	16	2.5	5	ug/L		5		06/14/25	JLI	E524.2	
*** cis-1,2-Dichloroethene exceeds MCL levels of 5 ***											
cis-1,3-Dichloropropene	ND	0.40	1	ug/L		5		06/14/25	JLI	E524.2	
Dibromochloromethane	ND	0.50	1	ug/L				06/14/25	JLI	E524.2	
Dibromomethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
Dichlorodifluoromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
Ethylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
Hexachlorobutadiene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
Isopropylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
m&p-Xylene	ND	0.50	1	ug/L				06/14/25	JLI	E524.2	
Methyl t-butyl ether (MTBE)	ND	0.50	1	ug/L		10		06/14/25	JLI	E524.2	
Methylene chloride	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
Naphthalene	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
n-Butylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
n-Propylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
o-Xylene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
p-Isopropyltoluene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
sec-Butylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Styrene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
tert-Butylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Tetrachloroethene	47	2.5	5	ug/L		5		06/14/25	JLI	E524.2
<b>*** Tetrachloroethene exceeds MCL levels of 5 ***</b>										
Toluene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Total 1,3-Dichloropropene	ND	0.40	1	ug/L				06/14/25	JLI	E524.2
Total Trihalomethanes	ND	0.50	1	ug/L		80		06/14/25	JLI	E524.2
Total Xylenes	ND	0.50	1	ug/L		10000		06/14/25	JLI	E524.2
trans-1,2-Dichloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
trans-1,3-Dichloropropene	ND	0.40	1	ug/L		5		06/14/25	JLI	E524.2
Trichloroethene	15	0.50	1	ug/L		5		06/14/25	JLI	E524.2
<b>*** Trichloroethene exceeds MCL levels of 5 ***</b>										
Trichlorofluoromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Vinyl chloride	ND	0.50	1	ug/L		2		06/14/25	JLI	E524.2
<b><u>QA/QC Surrogates</u></b>										
% 1,2-dichlorobenzene-d4	98		1	%	NA	NA	NA	06/14/25	JLI	70 - 130 %
% Bromofluorobenzene	97		1	%	NA	NA	NA	06/14/25	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (5x)	96		5	%	NA	NA	NA	06/14/25	JLI	70 - 130 %
% Bromofluorobenzene (5x)	98		5	%	NA	NA	NA	06/14/25	JLI	70 - 130 %
Volatile Library Search	Completed							06/16/25	JLI	
<b><u>1,4-dioxane</u></b>										
1,4-dioxane	ND	0.20	1	ug/l		1		06/17/25	AW	EPA522
<b><u>QA/QC Surrogates</u></b>										
% 1,4-dioxane-d8	81		1	%	NA	NA	NA	06/17/25	AW	70 - 130 %
Extraction for 1,4-Dioxane	Completed							06/16/25	A/A	EPA522

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

C = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected

BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.)

AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal LOD=Limit of Detection

MDL=Method Detection Limit

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Maximum Contaminant Level (MCL) (Lower of): 40 CFR Part 141 MCLs; New York State Public Health Law, Section 225 Part 5. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

\*See attached

PFAS (18) (EPA 537.1), PFAS - Hazard Index (EPA 537.1), PFAS Extraction (EPA 537.1) were analyzed by NY certified lab #12058.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Jason Aurrichio at (203) 297-3673. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**June 27, 2025**

**Reviewed and Released by: Helen Geoghegan, Project Manager**



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Jason Aurricchio (203) 297-3673



# Analysis Report

June 27, 2025

FOR: Attn: Patricia Clause  
 HydroEnvironmental Solutions, Inc.  
 2 Center Street  
 Croton Falls, New York 10519-092

## Sample Information

Matrix: DRINKING WATER  
 Location Code: HES-NY  
 Rush Request: Standard  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SR1  
 Analyzed by: see "By" below

## Date

06/05/25  
 06/10/25

## Time

9:30  
 17:52

## Laboratory Data

SDG ID: GCT48047  
 Phoenix ID: CT48052

Project ID: 406 ROUTE 52, CARMEL, NY  
 Client ID: DRY CLEANERS MIDFLUENT

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
<b>Volatiles</b>										
1,1,1,2-Tetrachloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,1,1-Trichloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,1,2,2-Tetrachloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,1,2-Trichloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,1,2-Trichlorotrifluoroethane	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
1,1-Dichloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,1-Dichloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,1-Dichloropropene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2,3-Trichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2,3-Trichloropropane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2,4-Trichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2,4-Trimethylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2-Dichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2-Dichloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,2-Dichloropropane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,3,5-Trimethylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,3-Dichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,3-Dichloropropane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
1,4-Dichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
2,2-Dichloropropane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
2-Chlorotoluene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
4-Chlorotoluene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Benzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Bromobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Bromochloromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Bromodichloromethane	ND	0.50	1	ug/L				06/14/25	JLI	E524.2

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
Bromoform	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
Bromomethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Carbon tetrachloride	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Chlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Chloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Chloroform	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
Chloromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
cis-1,2-Dichloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
cis-1,3-Dichloropropene	ND	0.40	1	ug/L		5		06/14/25	JLI	E524.2
Dibromochloromethane	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
Dibromomethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Dichlorodifluoromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Ethylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Hexachlorobutadiene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Isopropylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
m&p-Xylene	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
Methyl t-butyl ether (MTBE)	ND	0.50	1	ug/L		10		06/14/25	JLI	E524.2
Methylene chloride	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Naphthalene	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
n-Butylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
n-Propylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
o-Xylene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
p-Isopropyltoluene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
sec-Butylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Styrene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
tert-Butylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Tetrachloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Toluene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Total 1,3-Dichloropropene	ND	0.40	1	ug/L				06/14/25	JLI	E524.2
Total Trihalomethanes	ND	0.50	1	ug/L		80		06/14/25	JLI	E524.2
Total Xylenes	ND	0.50	1	ug/L		10000		06/14/25	JLI	E524.2
trans-1,2-Dichloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
trans-1,3-Dichloropropene	ND	0.40	1	ug/L		5		06/14/25	JLI	E524.2
Trichloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Trichlorofluoromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Vinyl chloride	ND	0.50	1	ug/L		2		06/14/25	JLI	E524.2
<b><u>QA/QC Surrogates</u></b>										
% 1,2-dichlorobenzene-d4	97		1	%	NA	NA	NA	06/14/25	JLI	70 - 130 %
% Bromofluorobenzene	97		1	%	NA	NA	NA	06/14/25	JLI	70 - 130 %
Volatile Library Search	Completed							06/16/25	JLI	

1

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected  
BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.)  
AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Maximum Contaminant Level (MCL) (Lower of): 40 CFR Part 141 MCLs; New York State Public Health Law, Section 225 Part 5. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Jason Aurrichio at (203) 297-3673. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**June 27, 2025**

**Reviewed and Released by: Helen Geoghegan, Project Manager**



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Jason Aurricchio (203) 297-3673



Analysis Report

June 27, 2025

FOR: Attn: Patricia Clause
HydroEnvironmental Solutions, Inc.
2 Center Street
Croton Falls, New York 10519-092

Sample Information

Matrix: DRINKING WATER
Location Code: HES-NY
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SR1
Analyzed by: see "By" below

Date

06/05/25
06/10/25

Time

9:30
17:52

Laboratory Data

SDG ID: GCT48047
Phoenix ID: CT48053

Project ID: 406 ROUTE 52, CARMEL, NY
Client ID: DRY CLEANERS EFFLUENT

Table with columns: Parameter, Result, RL/PQL, DIL, Units, AL, MCL, MCLG, Date/Time, By, Reference. Includes a list of Volatiles such as 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, etc.

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
Bromoform	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
Bromomethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Carbon tetrachloride	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Chlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Chloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Chloroform	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
Chloromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
cis-1,2-Dichloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
cis-1,3-Dichloropropene	ND	0.40	1	ug/L		5		06/14/25	JLI	E524.2
Dibromochloromethane	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
Dibromomethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Dichlorodifluoromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Ethylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Hexachlorobutadiene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Isopropylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
m&p-Xylene	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
Methyl t-butyl ether (MTBE)	ND	0.50	1	ug/L		10		06/14/25	JLI	E524.2
Methylene chloride	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Naphthalene	ND	0.50	1	ug/L				06/14/25	JLI	E524.2
n-Butylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
n-Propylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
o-Xylene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
p-Isopropyltoluene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
sec-Butylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Styrene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
tert-Butylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Tetrachloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Toluene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Total 1,3-Dichloropropene	ND	0.40	1	ug/L				06/14/25	JLI	E524.2
Total Trihalomethanes	ND	0.50	1	ug/L		80		06/14/25	JLI	E524.2
Total Xylenes	ND	0.50	1	ug/L		10000		06/14/25	JLI	E524.2
trans-1,2-Dichloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
trans-1,3-Dichloropropene	ND	0.40	1	ug/L		5		06/14/25	JLI	E524.2
Trichloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Trichlorofluoromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Vinyl chloride	ND	0.50	1	ug/L		2		06/14/25	JLI	E524.2
<b><u>QA/QC Surrogates</u></b>										
% 1,2-dichlorobenzene-d4	96		1	%	NA	NA	NA	06/14/25	JLI	70 - 130 %
% Bromofluorobenzene	97		1	%	NA	NA	NA	06/14/25	JLI	70 - 130 %
Volatile Library Search	Completed							06/16/25	JLI	

1

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
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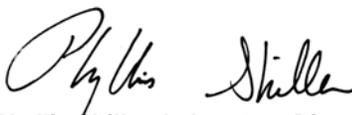
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected  
BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.)  
AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Maximum Contaminant Level (MCL) (Lower of): 40 CFR Part 141 MCLs; New York State Public Health Law, Section 225 Part 5. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Jason Aurrichio at (203) 297-3673. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**June 27, 2025**

**Reviewed and Released by: Helen Geoghegan, Project Manager**



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Jason Aurricchio (203) 297-3673



# Analysis Report

June 27, 2025

FOR: Attn: Patricia Clause  
 HydroEnvironmental Solutions, Inc.  
 2 Center Street  
 Croton Falls, New York 10519-092

## Sample Information

Matrix: WATER  
 Location Code: HES-NY  
 Rush Request: Standard  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SR1  
 Analyzed by: see "By" below

## Date

06/05/25  
 06/10/25

## Time

17:52

## Laboratory Data

SDG ID: GCT48047  
 Phoenix ID: CT48054

Project ID: 406 ROUTE 52, CARMEL, NY  
 Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
1,1,1-Trichloroethane	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
1,1,2-Trichloroethane	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
1,1,2-Trichlorotrifluoroethane	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
1,1-Dichloroethane	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
1,1-Dichloroethene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
1,1-Dichloropropene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
1,2,3-Trichlorobenzene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
1,2,3-Trichloropropane	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
1,2,4-Trichlorobenzene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
1,2-Dichlorobenzene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
1,2-Dichloroethane	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
1,2-Dichloropropane	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
1,3-Dichlorobenzene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
1,3-Dichloropropane	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
1,4-Dichlorobenzene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
2,2-Dichloropropane	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
2-Chlorotoluene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
4-Chlorotoluene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
Benzene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
Bromobenzene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
Bromochloromethane	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
Bromodichloromethane	ND	0.50	ug/L	1	06/14/25	JLI	E524.2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Bromoform	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
Bromomethane	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
Carbon tetrachloride	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
Chlorobenzene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
Chloroethane	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
Chloroform	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
Chloromethane	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
cis-1,2-Dichloroethene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	06/14/25	JLI	E524.2
Dibromochloromethane	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
Dibromomethane	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
Dichlorodifluoromethane	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
Ethylbenzene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
Hexachlorobutadiene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
Isopropylbenzene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
m&p-Xylene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
Methyl t-butyl ether (MTBE)	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
Methylene chloride	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
Naphthalene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
n-Butylbenzene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
n-Propylbenzene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
o-Xylene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
p-Isopropyltoluene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
sec-Butylbenzene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
Styrene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
tert-Butylbenzene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
Tetrachloroethene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
Toluene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
Total 1,3-Dichloropropene	ND	0.40	ug/L	1	06/14/25	JLI	E524.2
Total Trihalomethanes	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
Total Xylenes	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
trans-1,2-Dichloroethene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	06/14/25	JLI	E524.2
Trichloroethene	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
Trichlorofluoromethane	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
Vinyl chloride	ND	0.50	ug/L	1	06/14/25	JLI	E524.2
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	96		%	1	06/14/25	JLI	70 - 130 %
% Bromofluorobenzene	97		%	1	06/14/25	JLI	70 - 130 %
Volatile Library Search	Completed				06/16/25	JLI	

1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

TRIP BLANK INCLUDED.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Jason Aurricchio at (203) 297-3673. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**June 27, 2025**

**Reviewed and Released by: Helen Geoghegan, Project Manager**



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Jason Aurricchio (203) 297-3673



# Analysis Report

June 27, 2025

FOR: Attn: Patricia Clause  
 HydroEnvironmental Solutions, Inc.  
 2 Center Street  
 Croton Falls, New York 10519-092

## Sample Information

Matrix: WATER  
 Location Code: HES-NY  
 Rush Request: Standard  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SR1  
 Analyzed by: see "By" below

## Date

06/05/25  
 06/10/25

## Time

9:00  
 17:52

## Laboratory Data

SDG ID: GCT48047  
 Phoenix ID: CT48055

Project ID: 406 ROUTE 52, CARMEL, NY  
 Client ID: FIELD BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
PFAS (18)	Completed					06/13/25	JTG	EPA 537.1	C
<b>PFAS (18)</b>									
11CI-PF3OUdS	ND	1.95	1.14	ng/L	1	06/17/25	JTG	EPA 537.1	C
9CI-PF3ONS	ND	1.95	0.966	ng/L	1	06/17/25	JTG	EPA 537.1	C
ADONA	ND	1.95	1.01	ng/L	1	06/17/25	JTG	EPA 537.1	C
HFPO-DA	ND	1.95	1.67	ng/L	1	06/17/25	JTG	EPA 537.1	C
NEtFOSAA	ND	1.95	1.43	ng/L	1	06/17/25	JTG	EPA 537.1	C
NMeFOSAA	ND	1.95	1.03	ng/L	1	06/17/25	JTG	EPA 537.1	C
Perfluorobutanesulfonic Acid (PFBS)	ND	1.95	1.08	ng/L	1	06/17/25	JTG	EPA 537.1	C
Perfluorodecanoic Acid (PFDA)	ND	1.95	1.05	ng/L	1	06/17/25	JTG	EPA 537.1	C
Perfluorododecanoic Acid (PFDoA)	ND	1.95	1.06	ng/L	1	06/17/25	JTG	EPA 537.1	C
Perfluoroheptanoic Acid (PFHpA)	ND	1.95	1.09	ng/L	1	06/17/25	JTG	EPA 537.1	C
Perfluorohexanesulfonic Acid (PFHxS)	ND	1.95	0.944	ng/L	1	06/17/25	JTG	EPA 537.1	C
Perfluorohexanoic Acid (PFHxA)	ND	1.95	1.23	ng/L	1	06/17/25	JTG	EPA 537.1	C
Perfluorononanoic Acid (PFNA)	ND	1.95	1.04	ng/L	1	06/17/25	JTG	EPA 537.1	C
Perfluorooctanesulfonic Acid (PFOS)	ND	1.95	0.974	ng/L	1	06/17/25	JTG	EPA 537.1	C
Perfluorooctanoic Acid (PFOA)	ND	1.95	1.10	ng/L	1	06/17/25	JTG	EPA 537.1	C
Perfluorotetradecanoic Acid (PFTA)	ND	1.95	1.05	ng/L	1	06/17/25	JTG	EPA 537.1	C
Perfluorotridecanoic Acid (PFTTrDA)	ND	1.95	1.16	ng/L	1	06/17/25	JTG	EPA 537.1	C
Perfluoroundecanoic Acid (PFUnA)	ND	1.95	1.04	ng/L	1	06/17/25	JTG	EPA 537.1	C
<b>QA/QC Surrogates</b>									
% d5-N-EtFOSAA	118			%	1	06/17/25	JTG	70 - 130 %	C
% M3HFPO-DA	90.2			%	1	06/17/25	JTG	70 - 130 %	C
% MPFDA	86.9			%	1	06/17/25	JTG	70 - 130 %	C
% MPFHxA	94.3			%	1	06/17/25	JTG	70 - 130 %	C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<b><u>PFAS - Hazard Index</u></b>								
Hazard Index	ND			NA		06/17/25	JTG	EPA 537.1
<b><u>Volatiles</u></b>								
1,1,1,2-Tetrachloroethane	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
1,1,1-Trichloroethane	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
1,1,2,2-Tetrachloroethane	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
1,1,2-Trichloroethane	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
1,1,2-Trichlorotrifluoroethane	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
1,1-Dichloroethane	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
1,1-Dichloroethene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
1,1-Dichloropropene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
1,2,3-Trichlorobenzene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
1,2,3-Trichloropropane	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
1,2,4-Trichlorobenzene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
1,2,4-Trimethylbenzene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
1,2-Dichlorobenzene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
1,2-Dichloroethane	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
1,2-Dichloropropane	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
1,3,5-Trimethylbenzene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
1,3-Dichlorobenzene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
1,3-Dichloropropane	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
1,4-Dichlorobenzene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
2,2-Dichloropropane	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
2-Chlorotoluene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
4-Chlorotoluene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
Benzene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
Bromobenzene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
Bromochloromethane	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
Bromodichloromethane	3.5	0.50		ug/L	1	06/14/25	JLI	E524.2
Bromoform	0.52	0.50		ug/L	1	06/14/25	JLI	E524.2
Bromomethane	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
Carbon tetrachloride	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
Chlorobenzene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
Chloroethane	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
Chloroform	5.9	0.50		ug/L	1	06/14/25	JLI	E524.2
Chloromethane	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
cis-1,3-Dichloropropene	ND	0.40		ug/L	1	06/14/25	JLI	E524.2
Dibromochloromethane	2.4	0.50		ug/L	1	06/14/25	JLI	E524.2
Dibromomethane	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
Dichlorodifluoromethane	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
Ethylbenzene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
Hexachlorobutadiene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
Isopropylbenzene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
m&p-Xylene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
Methyl t-butyl ether (MTBE)	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
Methylene chloride	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
Naphthalene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
n-Butylbenzene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
n-Propylbenzene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
o-Xylene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
p-Isopropyltoluene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
sec-Butylbenzene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
Styrene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
tert-Butylbenzene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
Tetrachloroethene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
Toluene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
Total 1,3-Dichloropropene	ND	0.40		ug/L	1	06/14/25	JLI	E524.2
Total Trihalomethanes	12.32	0.50		ug/L	1	06/14/25	JLI	E524.2
Total Xylenes	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
trans-1,3-Dichloropropene	ND	0.40		ug/L	1	06/14/25	JLI	E524.2
Trichloroethene	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
Trichlorofluoromethane	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
Vinyl chloride	ND	0.50		ug/L	1	06/14/25	JLI	E524.2
<b><u>QA/QC Surrogates</u></b>								
% 1,2-dichlorobenzene-d4	94			%	1	06/14/25	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	06/14/25	JLI	70 - 130 %
Volatile Library Search	Completed					06/16/25	JLI	
<b><u>1,4-dioxane</u></b>								
1,4-dioxane	ND	0.20		ug/l	1	06/17/25	AW	EPA522
<b><u>QA/QC Surrogates</u></b>								
% 1,4-dioxane-d8	99			%	1	06/17/25	AW	70 - 130 %
Extraction for 1,4-Dioxane	Completed					06/16/25	A/A	EPA522

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.  
 C = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
 BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit  
 QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

\*See attached

PFAS (18) (EPA 537.1), PFAS - Hazard Index (EPA 537.1), PFAS Extraction (EPA 537.1) were analyzed by NY certified lab #12058.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Jason Aurrichio at (203) 297-3673. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

  
 Phyllis Shiller, Laboratory Director  
 June 27, 2025

Reviewed and Released by: Helen Geoghegan, Project Manager



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Jason Aurricchio (203) 297-3673



# Analysis Report

June 27, 2025

FOR: Attn: Patricia Clause  
 HydroEnvironmental Solutions, Inc.  
 2 Center Street  
 Croton Falls, New York 10519-092

## Sample Information

Matrix: DRINKING WATER  
 Location Code: HES-NY  
 Rush Request: Standard  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SR1  
 Analyzed by: see "By" below

## Date

06/05/25  
 06/10/25

## Time

9:35  
 17:52

## Laboratory Data

SDG ID: GCT48047  
 Phoenix ID: CT48056

Project ID: 406 ROUTE 52, CARMEL, NY  
 Client ID: DRY CLEANERS MIDFLUENT 2

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference	
PFAS (18)	Completed							06/17/25	KFH	EPA 537.1	C
<b>PFAS (18)</b>											
11CI-PF3OUdS	ND	1.85	1	ng/L				06/26/25	KFH	EPA 537.1	C
9CI-PF3ONS	ND	1.85	1	ng/L				06/26/25	KFH	EPA 537.1	C
ADONA	ND	1.85	1	ng/L				06/26/25	KFH	EPA 537.1	C
HFPO-DA	ND	1.85	1	ng/L				06/26/25	KFH	EPA 537.1	C
NEtFOSAA	ND	1.85	1	ng/L				06/26/25	KFH	EPA 537.1	C
NMeFOSAA	ND	1.85	1	ng/L				06/26/25	KFH	EPA 537.1	C
Perfluorobutanesulfonic Acid (PFBS)	3.51	1.85	1	ng/L				06/26/25	KFH	EPA 537.1	C
Perfluorodecanoic Acid (PFDA)	ND	1.85	1	ng/L				06/26/25	KFH	EPA 537.1	C
Perfluorododecanoic Acid (PFDoA)	ND	1.85	1	ng/L				06/26/25	KFH	EPA 537.1	C
Perfluoroheptanoic Acid (PFHpA)	ND	1.85	1	ng/L				06/26/25	KFH	EPA 537.1	C
Perfluorohexanesulfonic Acid (PFHxS)	4.07	1.85	1	ng/L				06/26/25	KFH	EPA 537.1	C
Perfluorohexanoic Acid (PFHxA)	2.77	1.85	1	ng/L				06/26/25	KFH	EPA 537.1	C
Perfluorononanoic Acid (PFNA)	ND	1.85	1	ng/L				06/26/25	KFH	EPA 537.1	C
Perfluorooctanesulfonic Acid (PFOS)	7.04	1.85	1	ng/L		4		06/26/25	KFH	EPA 537.1	C
*** Perfluorooctanesulfonic Acid (PFOS) exceeds MCL levels of 4 ***											
Perfluorooctanoic Acid (PFOA)	5.00	1.85	1	ng/L		4		06/26/25	KFH	EPA 537.1	C
*** Perfluorooctanoic Acid (PFOA) exceeds MCL levels of 4 ***											
Perfluorotetradecanoic Acid (PFTA)	ND	1.85	1	ng/L				06/26/25	KFH	EPA 537.1	C
Perfluorotridecanoic Acid (PFTrDA)	ND	1.85	1	ng/L				06/26/25	KFH	EPA 537.1	C
Perfluoroundecanoic Acid (PFUnA)	ND	1.85	1	ng/L				06/26/25	KFH	EPA 537.1	C
<b>QA/QC Surrogates</b>											
% d5-N-EtFOSAA	118		1	%	NA	NA	NA	06/26/25	KFH	70 - 130 %	C
% M3HFPO-DA	94.7		1	%	NA	NA	NA	06/26/25	KFH	70 - 130 %	C
% MPFDA	108		1	%	NA	NA	NA	06/26/25	KFH	70 - 130 %	C
% MPFHxA	84.6		1	%	NA	NA	NA	06/26/25	KFH	70 - 130 %	C

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference	
<b><u>PFAS - Hazard Index</u></b>											
Hazard Index	0.454			NA				06/26/25	KFH	EPA 537.1	C
<b><u>Volatiles</u></b>											
1,1,1,2-Tetrachloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,1,1-Trichloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,1,2,2-Tetrachloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,1,2-Trichloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,1,2-Trichlorotrifluoroethane	ND	0.50	1	ug/L				06/14/25	JLI	E524.2	1
1,1-Dichloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,1-Dichloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,1-Dichloropropene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,2,3-Trichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,2,3-Trichloropropane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,2,4-Trichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,2,4-Trimethylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,2-Dichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,2-Dichloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,2-Dichloropropane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,3,5-Trimethylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,3-Dichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,3-Dichloropropane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
1,4-Dichlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
2,2-Dichloropropane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
2-Chlorotoluene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
4-Chlorotoluene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
Benzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
Bromobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
Bromochloromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
Bromodichloromethane	ND	0.50	1	ug/L				06/14/25	JLI	E524.2	
Bromoform	ND	0.50	1	ug/L				06/14/25	JLI	E524.2	
Bromomethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
Carbon tetrachloride	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
Chlorobenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
Chloroethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
Chloroform	ND	0.50	1	ug/L				06/14/25	JLI	E524.2	
Chloromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
cis-1,2-Dichloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
cis-1,3-Dichloropropene	ND	0.40	1	ug/L		5		06/14/25	JLI	E524.2	
Dibromochloromethane	ND	0.50	1	ug/L				06/14/25	JLI	E524.2	
Dibromomethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
Dichlorodifluoromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
Ethylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
Hexachlorobutadiene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
Isopropylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
m&p-Xylene	ND	0.50	1	ug/L				06/14/25	JLI	E524.2	
Methyl t-butyl ether (MTBE)	ND	0.50	1	ug/L		10		06/14/25	JLI	E524.2	
Methylene chloride	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2	
Naphthalene	ND	0.50	1	ug/L				06/14/25	JLI	E524.2	

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
n-Butylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
n-Propylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
o-Xylene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
p-Isopropyltoluene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
sec-Butylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Styrene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
tert-Butylbenzene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Tetrachloroethene	0.79	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Toluene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Total 1,3-Dichloropropene	ND	0.40	1	ug/L				06/14/25	JLI	E524.2
Total Trihalomethanes	ND	0.50	1	ug/L		80		06/14/25	JLI	E524.2
Total Xylenes	ND	0.50	1	ug/L		10000		06/14/25	JLI	E524.2
trans-1,2-Dichloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
trans-1,3-Dichloropropene	ND	0.40	1	ug/L		5		06/14/25	JLI	E524.2
Trichloroethene	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Trichlorofluoromethane	ND	0.50	1	ug/L		5		06/14/25	JLI	E524.2
Vinyl chloride	ND	0.50	1	ug/L		2		06/14/25	JLI	E524.2
<b><u>QA/QC Surrogates</u></b>										
% 1,2-dichlorobenzene-d4	96		1	%	NA	NA	NA	06/14/25	JLI	70 - 130 %
% Bromofluorobenzene	97		1	%	NA	NA	NA	06/14/25	JLI	70 - 130 %
Volatile Library Search	Completed							06/17/25	JLI	
<b><u>1,4-dioxane</u></b>										
1,4-dioxane	ND	0.20	1	ug/l		1		06/17/25	AW	EPA522
<b><u>QA/QC Surrogates</u></b>										
% 1,4-dioxane-d8	91		1	%	NA	NA	NA	06/17/25	AW	70 - 130 %
Extraction for 1,4-Dioxane	Completed							06/16/25	A/A	EPA522

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

C = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected

BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.)

AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal LOD=Limit of Detection

MDL=Method Detection Limit

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Maximum Contaminant Level (MCL) (Lower of): 40 CFR Part 141 MCLs; New York State Public Health Law, Section 225 Part 5. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

\*See attached

PFAS (18) (EPA 537.1), PFAS - Hazard Index (EPA 537.1), PFAS Extraction (EPA 537.1) were analyzed by NY certified lab #12058.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Jason Aurrichio at (203) 297-3673. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**June 27, 2025**

**Reviewed and Released by: Helen Geoghegan, Project Manager**



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Jason Aurricchio (203) 297-3673



# Analysis Report

June 27, 2025

FOR: Attn: Patricia Clause  
 HydroEnvironmental Solutions, Inc.  
 2 Center Street  
 Croton Falls, New York 10519-092

## Sample Information

Matrix: GROUND WATER  
 Location Code: HES-NY  
 Rush Request: Standard  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SR1  
 Analyzed by: see "By" below

## Date

06/05/25  
 06/10/25

## Time

10:00  
 17:52

## Laboratory Data

SDG ID: GCT48047  
 Phoenix ID: CT48057

Project ID: 406 ROUTE 52, CARMEL, NY  
 Client ID: MW-3S

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,1,1-Trichloroethane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	06/11/25	MH	SW8260D
1,1,2-Trichloroethane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,1-Dichloroethane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,1-Dichloroethene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,1-Dichloropropene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,2,3-Trichloropropane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,2-Dibromoethane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,2-Dichloroethane	ND	0.60	ug/L	1	06/11/25	MH	SW8260D
1,2-Dichloropropane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,3-Dichloropropane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
2,2-Dichloropropane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
2-Chlorotoluene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
2-Hexanone	ND	5.0	ug/L	1	06/11/25	MH	SW8260D
2-Isopropyltoluene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
4-Chlorotoluene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
4-Methyl-2-pentanone	ND	5.0	ug/L	1	06/11/25	MH	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	25	ug/L	1	06/11/25	MH	SW8260D
Acrylonitrile	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Benzene	ND	0.70	ug/L	1	06/11/25	MH	SW8260D
Bromobenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Bromochloromethane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Bromodichloromethane	ND	0.50	ug/L	1	06/11/25	MH	SW8260D
Bromoform	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Bromomethane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Carbon Disulfide	ND	5.0	ug/L	1	06/11/25	MH	SW8260D
Carbon tetrachloride	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Chlorobenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Chloroethane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Chloroform	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Chloromethane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	06/11/25	MH	SW8260D
Dibromochloromethane	ND	0.50	ug/L	1	06/11/25	MH	SW8260D
Dibromomethane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Dichlorodifluoromethane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Ethylbenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Hexachlorobutadiene	ND	0.40	ug/L	1	06/11/25	MH	SW8260D
Isopropylbenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
m&p-Xylene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Methyl ethyl ketone	ND	5.0	ug/L	1	06/11/25	MH	SW8260D
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Methylene chloride	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Naphthalene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
n-Butylbenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
n-Propylbenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
o-Xylene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
p-Isopropyltoluene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
sec-Butylbenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Styrene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
tert-Butylbenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Tetrachloroethene	1.1	1.0	ug/L	1	06/11/25	MH	SW8260D
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	06/11/25	MH	SW8260D
Toluene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Total Xylenes	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	06/11/25	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	06/11/25	MH	SW8260D
Trichloroethene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Trichlorofluoromethane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Vinyl chloride	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
<b>QA/QC Surrogates</b>							
% 1,2-dichlorobenzene-d4	104		%	1	06/11/25	MH	70 - 130 %
% Bromofluorobenzene	87		%	1	06/11/25	MH	70 - 130 %
% Dibromofluoromethane	109		%	1	06/11/25	MH	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	109		%	1	06/11/25	MH	70 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Jason Aurrichio at (203) 297-3673. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**June 27, 2025**

**Reviewed and Released by: Helen Geoghegan, Project Manager**



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Jason Aurricchio (203) 297-3673



# Analysis Report

June 27, 2025

FOR: Attn: Patricia Clause  
HydroEnvironmental Solutions, Inc.  
2 Center Street  
Croton Falls, New York 10519-092

## Sample Information

Matrix: GROUND WATER  
Location Code: HES-NY  
Rush Request: Standard  
P.O.#:

## Custody Information

Collected by:  
Received by: SR1  
Analyzed by: see "By" below

Date: 06/05/25 11:00  
06/10/25 17:52

## Laboratory Data

SDG ID: GCT48047  
Phoenix ID: CT48058

Project ID: 406 ROUTE 52, CARMEL, NY  
Client ID: MW-3D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
PFAS (40) by EPA 1633	Completed					06/21/25	AM	EPA 1633 Draft 3	C
<b>PFAS (40) by EPA 1633</b>									
11CI-PF3OUdS	ND	6.98	1.27	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
1H,1H,2H,2H-Perfluorodecanesulfonic acid	ND	7.09	1.89	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	ND	6.93	1.65	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
1H,1H,2H,2H-Perfluorooctanesulfonic acid	ND	7.02	6.93	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
3:3FTCA	ND	4.62	1.88	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
5:3FTCA	ND	23.1	6.77	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
7:3FTCA	ND	23.1	8.75	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
9CI-PF3ONS	ND	6.91	0.647	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
ADONA	ND	6.98	0.490	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
HFPO-DA	ND	7.39	2.98	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
NEtFOSA	ND	1.85	1.66	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
NEtFOSAA	ND	1.85	0.951	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
NEtFOSE	ND	18.5	3.69	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
NFDHA	ND	3.69	1.98	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
NMeFOSA	ND	1.85	1.46	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
NMeFOSAA	ND	1.85	0.730	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
NMeFOSE	ND	18.5	3.69	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.78	1.22	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.76	0.841	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluoro-1-octanesulfonamide (FOSA)	ND	1.85	0.813	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluorobutanesulfonic acid (PFBS)	4.11	1.63	0.434	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluorodecanoic acid (PFDA)	ND	1.85	0.693	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluorododecane Sulfonic Acid (PFDoDS)	ND	1.79	0.859	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluorododecanoic acid (PFDoA)	ND	1.85	0.813	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluoroheptanoic acid (PFHpA)	1.23	J 1.85	0.656	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Perfluorohexanesulfonic Acid (PFHxS)	4.15	1.69	0.628	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluorohexanoic acid (PFHxA)	4.18	1.85	0.323	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluoro-n-butanoic acid (PFBA)	2.72	J 7.39	0.305	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluorononanesulfonic Acid (PFNS)	ND	1.77	0.794	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluorononanoic acid (PFNA)	ND	1.85	0.480	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluorooctanesulfonic Acid (PFOS)	1.78	1.72	0.757	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluorooctanoic acid (PFOA)	4.30	1.85	0.388	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluoropentanesulfonic Acid (PFPeS)	ND	1.74	0.702	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluoropentanoic acid (PFPeA)	3.16	J 3.69	0.212	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluorotetradecanoic acid (PFTA)	ND	1.85	0.637	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluorotridecanoic acid (PFTrDA)	ND	1.85	0.684	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluoroundecanoic acid (PFUnA)	ND	1.85	1.04	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
PFEESA	ND	3.29	0.462	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
PFMBA	ND	3.69	0.342	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
PFMPA	ND	3.69	0.231	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
<b>QA/QC Surrogates</b>									
% d3-N-MeFOSAA	72.3			%	1	06/22/25	AM	25 - 150 %	C
% d5-N-EtFOSAA	94.9			%	1	06/22/25	AM	25 - 150 %	C
% d7-N-MeFOSE	59.3			%	1	06/22/25	AM	25 - 150 %	C
% d9-N-EtFOSE	57.6			%	1	06/22/25	AM	25 - 150 %	C
% d-N-EtFOSA	58.0			%	1	06/22/25	AM	25 - 150 %	C
% d-N-MeFOSA	52.9			%	1	06/22/25	AM	25 - 150 %	C
% M2-4:2 FTS	104			%	1	06/22/25	AM	25 - 150 %	C
% M2-6:2 FTS	104			%	1	06/22/25	AM	25 - 200 %	C
% M2-8:2 FTS	91.3			%	1	06/22/25	AM	25 - 200 %	C
% M2PFTEDA	63.9			%	1	06/22/25	AM	10 - 150 %	C
% M3HFPO-DA	120			%	1	06/22/25	AM	25 - 150 %	C
% M3PFBS	113			%	1	06/22/25	AM	25 - 150 %	C
% M3PFHxS	111			%	1	06/22/25	AM	25 - 150 %	C
% M4PFHpA	127			%	1	06/22/25	AM	25 - 150 %	C
% M5PFHxA	112			%	1	06/22/25	AM	25 - 150 %	C
% M5PFPEA	115			%	1	06/22/25	AM	25 - 150 %	C
% M6PFDA	99.5			%	1	06/22/25	AM	25 - 150 %	C
% M7PFUDA	97.9			%	1	06/22/25	AM	25 - 150 %	C
% M8FOSA	78.9			%	1	06/22/25	AM	10 - 150 %	C
% M8PFOA	102			%	1	06/22/25	AM	25 - 150 %	C
% M8PFOS	94.0			%	1	06/22/25	AM	25 - 150 %	C
% M9PFNA	91.9			%	1	06/22/25	AM	25 - 150 %	C
% MPFBA	77.2			%	1	06/22/25	AM	25 - 150 %	C
% MPFDOA	80.9			%	1	06/22/25	AM	25 - 150 %	C
<b>Volatiles</b>									
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	
1,1,1-Trichloroethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	
1,1,2,2-Tetrachloroethane	ND	0.50		ug/L	1	06/11/25	MH	SW8260D	
1,1,2-Trichloroethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	
1,1-Dichloroethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	
1,1-Dichloroethene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	
1,1-Dichloropropene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	
1,2,3-Trichlorobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,2,3-Trichloropropane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,2,4-Trimethylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,2-Dibromoethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,2-Dichloroethane	ND	0.60		ug/L	1	06/11/25	MH	SW8260D
1,2-Dichloropropane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,3-Dichloropropane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
2,2-Dichloropropane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
2-Chlorotoluene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
2-Hexanone	ND	5.0		ug/L	1	06/11/25	MH	SW8260D
2-Isopropyltoluene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
4-Chlorotoluene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
4-Methyl-2-pentanone	ND	5.0		ug/L	1	06/11/25	MH	SW8260D
Acetone	ND	25		ug/L	1	06/11/25	MH	SW8260D
Acrylonitrile	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Benzene	ND	0.70		ug/L	1	06/11/25	MH	SW8260D
Bromobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Bromochloromethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Bromodichloromethane	ND	0.50		ug/L	1	06/11/25	MH	SW8260D
Bromoform	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Bromomethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Carbon Disulfide	ND	5.0		ug/L	1	06/11/25	MH	SW8260D
Carbon tetrachloride	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Chlorobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Chloroethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Chloroform	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Chloromethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40		ug/L	1	06/11/25	MH	SW8260D
Dibromochloromethane	ND	0.50		ug/L	1	06/11/25	MH	SW8260D
Dibromomethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Dichlorodifluoromethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Ethylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Hexachlorobutadiene	ND	0.40		ug/L	1	06/11/25	MH	SW8260D
Isopropylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
m&p-Xylene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Methyl ethyl ketone	ND	5.0		ug/L	1	06/11/25	MH	SW8260D
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Methylene chloride	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Naphthalene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
n-Butylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
n-Propylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
o-Xylene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
p-Isopropyltoluene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
sec-Butylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Styrene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
tert-Butylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Tetrachloroethene	1.2	1.0		ug/L	1	06/11/25	MH	SW8260D
Tetrahydrofuran (THF)	ND	2.5		ug/L	1	06/11/25	MH	SW8260D 1
Toluene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Total Xylenes	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
trans-1,2-Dichloroethene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40		ug/L	1	06/11/25	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	5.0		ug/L	1	06/11/25	MH	SW8260D
Trichloroethene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Trichlorofluoromethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Vinyl chloride	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
<b><u>QA/QC Surrogates</u></b>								
% 1,2-dichlorobenzene-d4	108			%	1	06/11/25	MH	70 - 130 %
% Bromofluorobenzene	85			%	1	06/11/25	MH	70 - 130 %
% Dibromofluoromethane	103			%	1	06/11/25	MH	70 - 130 %
% Toluene-d8	107			%	1	06/11/25	MH	70 - 130 %
<b><u>1,4-dioxane</u></b>								
1,4-dioxane	ND	0.30		ug/l	1	06/17/25	AW	SW8270ESIM 1
<b><u>QA/QC Surrogates</u></b>								
% 1,4-dioxane-d8	100			%	1	06/17/25	AW	70 - 130 %
Extraction for 1,4-Dioxane	Completed					06/13/25	G/G	SW8270ESIM 1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

C = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

\*See attached

PFAS (40) by EPA 1633 (EPA 1633 Draft 3), PFOA/PFOS - Water Extraction (EPA 1633 Draft 3) were analyzed by NY certified lab #12058.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Jason Aurrichio at (203) 297-3673. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**June 27, 2025**

**Reviewed and Released by: Helen Geoghegan, Project Manager**



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Jason Aurricchio (203) 297-3673



# Analysis Report

June 27, 2025

FOR: Attn: Patricia Clause  
HydroEnvironmental Solutions, Inc.  
2 Center Street  
Croton Falls, New York 10519-092

### Sample Information

Matrix: GROUND WATER  
Location Code: HES-NY  
Rush Request: Standard  
P.O.#:

### Custody Information

Collected by:  
Received by: SR1  
Analyzed by: see "By" below

### Date

06/05/25  
06/10/25

### Time

12:00  
17:52

## Laboratory Data

SDG ID: GCT48047  
Phoenix ID: CT48059

Project ID: 406 ROUTE 52, CARMEL, NY  
Client ID: MW-6

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,1,1-Trichloroethane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	06/11/25	MH	SW8260D
1,1,2-Trichloroethane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,1-Dichloroethane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,1-Dichloroethene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,1-Dichloropropene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,2,3-Trichloropropane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,2-Dibromoethane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,2-Dichloroethane	ND	0.60	ug/L	1	06/11/25	MH	SW8260D
1,2-Dichloropropane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,3-Dichloropropane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
2,2-Dichloropropane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
2-Chlorotoluene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
2-Hexanone	ND	5.0	ug/L	1	06/11/25	MH	SW8260D
2-Isopropyltoluene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
4-Chlorotoluene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
4-Methyl-2-pentanone	ND	5.0	ug/L	1	06/11/25	MH	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	25	ug/L	1	06/11/25	MH	SW8260D
Acrylonitrile	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Benzene	ND	0.70	ug/L	1	06/11/25	MH	SW8260D
Bromobenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Bromochloromethane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Bromodichloromethane	ND	0.50	ug/L	1	06/11/25	MH	SW8260D
Bromoform	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Bromomethane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Carbon Disulfide	ND	5.0	ug/L	1	06/11/25	MH	SW8260D
Carbon tetrachloride	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Chlorobenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Chloroethane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Chloroform	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Chloromethane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	06/11/25	MH	SW8260D
Dibromochloromethane	ND	0.50	ug/L	1	06/11/25	MH	SW8260D
Dibromomethane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Dichlorodifluoromethane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Ethylbenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Hexachlorobutadiene	ND	0.40	ug/L	1	06/11/25	MH	SW8260D
Isopropylbenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
m&p-Xylene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Methyl ethyl ketone	ND	5.0	ug/L	1	06/11/25	MH	SW8260D
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Methylene chloride	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Naphthalene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
n-Butylbenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
n-Propylbenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
o-Xylene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
p-Isopropyltoluene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
sec-Butylbenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Styrene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
tert-Butylbenzene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Tetrachloroethene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	06/11/25	MH	SW8260D
Toluene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Total Xylenes	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	06/11/25	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	06/11/25	MH	SW8260D
Trichloroethene	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Trichlorofluoromethane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
Vinyl chloride	ND	1.0	ug/L	1	06/11/25	MH	SW8260D
<b>QA/QC Surrogates</b>							
% 1,2-dichlorobenzene-d4	105		%	1	06/11/25	MH	70 - 130 %
% Bromofluorobenzene	89		%	1	06/11/25	MH	70 - 130 %
% Dibromofluoromethane	115		%	1	06/11/25	MH	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	101		%	1	06/11/25	MH	70 - 130 %

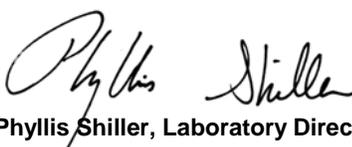
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Jason Aurrichio at (203) 297-3673. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**June 27, 2025**

**Reviewed and Released by: Helen Geoghegan, Project Manager**



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Jason Aurricchio (203) 297-3673



# Analysis Report

June 27, 2025

FOR: Attn: Patricia Clause  
 HydroEnvironmental Solutions, Inc.  
 2 Center Street  
 Croton Falls, New York 10519-092

## Sample Information

Matrix: GROUND WATER  
 Location Code: HES-NY  
 Rush Request: Standard  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SR1  
 Analyzed by: see "By" below

Date: 06/05/25 12:30  
 06/10/25 17:52

## Laboratory Data

SDG ID: GCT48047  
 Phoenix ID: CT48060

Project ID: 406 ROUTE 52, CARMEL, NY  
 Client ID: MW-7

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
PFAS (40) by EPA 1633	Completed					06/21/25	AM	EPA 1633 Draft 3	C
<b>PFAS (40) by EPA 1633</b>									
11CI-PF3OUdS	ND	7.09	1.29	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
1H,1H,2H,2H-Perfluorodecanesulfonic acid	ND	7.20	1.92	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	ND	7.03	1.68	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
1H,1H,2H,2H-Perfluorooctanesulfonic acid	ND	7.13	7.03	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
3:3FTCA	ND	4.69	1.90	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
5:3FTCA	ND	23.4	6.87	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
7:3FTCA	ND	23.4	8.88	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
9CI-PF3ONS	ND	7.02	0.657	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
ADONA	ND	7.09	0.497	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
HFPO-DA	ND	7.50	3.03	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
NEtFOSA	ND	1.88	1.69	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
NEtFOSAA	ND	1.88	0.966	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
NEtFOSE	ND	18.8	3.74	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
NFDHA	ND	3.75	2.01	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
NMeFOSA	ND	1.88	1.48	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
NMeFOSAA	ND	1.88	0.741	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
NMeFOSE	ND	18.8	3.74	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.81	1.24	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.79	0.853	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluoro-1-octanesulfonamide (FOSA)	ND	1.88	0.825	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluorobutanesulfonic acid (PFBS)	3.98	1.66	0.441	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluorodecanoic acid (PFDA)	ND	1.88	0.703	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluorododecane Sulfonic Acid (PFDoDS)	ND	1.82	0.872	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluorododecanoic acid (PFDoA)	ND	1.88	0.825	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluoroheptanoic acid (PFHpA)	1.11	J 1.88	0.666	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Perfluorohexanesulfonic Acid (PFHxS)	4.25	1.72	0.638	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluorohexanoic acid (PFHxA)	4.36	1.88	0.328	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluoro-n-butanoic acid (PFBA)	ND	7.50	0.310	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluorononanesulfonic Acid (PFNS)	ND	1.80	0.807	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluorononanoic acid (PFNA)	ND	1.88	0.488	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluorooctanesulfonic Acid (PFOS)	1.47	J 1.74	0.769	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluorooctanoic acid (PFOA)	4.94	1.88	0.394	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluoropentanesulfonic Acid (PFPeS)	ND	1.76	0.713	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluoropentanoic acid (PFPeA)	3.43	J 3.75	0.216	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluorotetradecanoic acid (PFTA)	ND	1.88	0.647	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluorotridecanoic acid (PFTrDA)	ND	1.88	0.694	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
Perfluoroundecanoic acid (PFUnA)	ND	1.88	1.06	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
PFEESA	ND	3.34	0.469	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
PFMBA	ND	3.75	0.347	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
PFMPA	ND	3.75	0.234	ng/L	1	06/22/25	AM	EPA 1633 Draft 3	C
<b>QA/QC Surrogates</b>									
% d3-N-MeFOSAA	76.7			%	1	06/22/25	AM	25 - 150 %	C
% d5-N-EtFOSAA	78.6			%	1	06/22/25	AM	25 - 150 %	C
% d7-N-MeFOSE	54.8			%	1	06/22/25	AM	25 - 150 %	C
% d9-N-EtFOSE	51.4			%	1	06/22/25	AM	25 - 150 %	C
% d-N-EtFOSA	61.8			%	1	06/22/25	AM	25 - 150 %	C
% d-N-MeFOSA	54.7			%	1	06/22/25	AM	25 - 150 %	C
% M2-4:2 FTS	89.9			%	1	06/22/25	AM	25 - 150 %	C
% M2-6:2 FTS	98.2			%	1	06/22/25	AM	25 - 200 %	C
% M2-8:2 FTS	84.1			%	1	06/22/25	AM	25 - 200 %	C
% M2PFTEA	64.8			%	1	06/22/25	AM	10 - 150 %	C
% M3HFPO-DA	119			%	1	06/22/25	AM	25 - 150 %	C
% M3PFBS	99.1			%	1	06/22/25	AM	25 - 150 %	C
% M3PFHxS	94.0			%	1	06/22/25	AM	25 - 150 %	C
% M4PFHpA	129			%	1	06/22/25	AM	25 - 150 %	C
% M5PFHxA	114			%	1	06/22/25	AM	25 - 150 %	C
% M5PFPEA	112			%	1	06/22/25	AM	25 - 150 %	C
% M6PFDA	104			%	1	06/22/25	AM	25 - 150 %	C
% M7PFUDA	91.9			%	1	06/22/25	AM	25 - 150 %	C
% M8FOSA	75.4			%	1	06/22/25	AM	10 - 150 %	C
% M8PFOA	105			%	1	06/22/25	AM	25 - 150 %	C
% M8PFOS	98.3			%	1	06/22/25	AM	25 - 150 %	C
% M9PFNA	94.8			%	1	06/22/25	AM	25 - 150 %	C
% MPFBA	44.0			%	1	06/22/25	AM	25 - 150 %	C
% MPFDOA	76.8			%	1	06/22/25	AM	25 - 150 %	C
<b>Volatiles</b>									
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	
1,1,1-Trichloroethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	
1,1,2,2-Tetrachloroethane	ND	0.50		ug/L	1	06/11/25	MH	SW8260D	
1,1,2-Trichloroethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	
1,1-Dichloroethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	
1,1-Dichloroethene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	
1,1-Dichloropropene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	
1,2,3-Trichlorobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,2,3-Trichloropropane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,2,4-Trimethylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,2-Dibromoethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,2-Dichloroethane	ND	0.60		ug/L	1	06/11/25	MH	SW8260D
1,2-Dichloropropane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,3-Dichloropropane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
2,2-Dichloropropane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
2-Chlorotoluene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
2-Hexanone	ND	5.0		ug/L	1	06/11/25	MH	SW8260D
2-Isopropyltoluene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
4-Chlorotoluene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
4-Methyl-2-pentanone	ND	5.0		ug/L	1	06/11/25	MH	SW8260D
Acetone	ND	25		ug/L	1	06/11/25	MH	SW8260D
Acrylonitrile	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Benzene	ND	0.70		ug/L	1	06/11/25	MH	SW8260D
Bromobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Bromochloromethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Bromodichloromethane	ND	0.50		ug/L	1	06/11/25	MH	SW8260D
Bromoform	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Bromomethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Carbon Disulfide	ND	5.0		ug/L	1	06/11/25	MH	SW8260D
Carbon tetrachloride	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Chlorobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Chloroethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Chloroform	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Chloromethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40		ug/L	1	06/11/25	MH	SW8260D
Dibromochloromethane	ND	0.50		ug/L	1	06/11/25	MH	SW8260D
Dibromomethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Dichlorodifluoromethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Ethylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Hexachlorobutadiene	ND	0.40		ug/L	1	06/11/25	MH	SW8260D
Isopropylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
m&p-Xylene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Methyl ethyl ketone	ND	5.0		ug/L	1	06/11/25	MH	SW8260D
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Methylene chloride	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Naphthalene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
n-Butylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
n-Propylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
o-Xylene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
p-Isopropyltoluene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
sec-Butylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Styrene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
tert-Butylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Tetrachloroethene	1.1	1.0		ug/L	1	06/11/25	MH	SW8260D
Tetrahydrofuran (THF)	ND	2.5		ug/L	1	06/11/25	MH	SW8260D 1
Toluene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Total Xylenes	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
trans-1,2-Dichloroethene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40		ug/L	1	06/11/25	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	5.0		ug/L	1	06/11/25	MH	SW8260D
Trichloroethene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Trichlorofluoromethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Vinyl chloride	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
<b><u>QA/QC Surrogates</u></b>								
% 1,2-dichlorobenzene-d4	106			%	1	06/11/25	MH	70 - 130 %
% Bromofluorobenzene	86			%	1	06/11/25	MH	70 - 130 %
% Dibromofluoromethane	98			%	1	06/11/25	MH	70 - 130 %
% Toluene-d8	121			%	1	06/11/25	MH	70 - 130 %
<b><u>1,4-dioxane</u></b>								
1,4-dioxane	ND	0.20		ug/l	1	06/17/25	AW	SW8270ESIM 1
<b><u>QA/QC Surrogates</u></b>								
% 1,4-dioxane-d8	95			%	1	06/17/25	AW	70 - 130 %
Extraction for 1,4-Dioxane	Completed					06/13/25	G/G	SW8270ESIM 1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

C = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

\*See attached

PFAS (40) by EPA 1633 (EPA 1633 Draft 3), PFOA/PFOS - Water Extraction (EPA 1633 Draft 3) were analyzed by NY certified lab #12058.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Jason Aurrichio at (203) 297-3673. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**June 27, 2025**

**Reviewed and Released by: Helen Geoghegan, Project Manager**



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Jason Aurricchio (203) 297-3673



Analysis Report

June 27, 2025

FOR: Attn: Patricia Clause
HydroEnvironmental Solutions, Inc.
2 Center Street
Croton Falls, New York 10519-092

Sample Information

Matrix: GROUND WATER
Location Code: HES-NY
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SR1
Analyzed by: see "By" below

Date

06/05/25
06/10/25

Time

13:30
17:52

Laboratory Data

SDG ID: GCT48047
Phoenix ID: CT48061

Project ID: 406 ROUTE 52, CARMEL, NY
Client ID: MW-8D

Table with columns: Parameter, Result, RL/PQL, LOD/MDL, Units, Dilution, Date/Time, By, Reference. Includes sub-section 'PFAS (40) by EPA 1633' and various chemical compounds like 11CI-PF3OUdS, 1H,1H,2H,2H-Perfluorodecanesulfonic acid, etc.

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Perfluorohexanesulfonic Acid (PFHxS)	0.845	J 1.68	0.625	ng/L	1	06/18/25	AM	EPA 1633 Draft 3	C
Perfluorohexanoic acid (PFHxA)	2.16	1.84	0.322	ng/L	1	06/18/25	AM	EPA 1633 Draft 3	C
Perfluoro-n-butanoic acid (PFBA)	ND	7.36	0.303	ng/L	1	06/18/25	AM	EPA 1633 Draft 3	C
Perfluorononanesulfonic Acid (PFNS)	ND	1.77	0.791	ng/L	1	06/18/25	AM	EPA 1633 Draft 3	C
Perfluorononanoic acid (PFNA)	ND	1.84	0.478	ng/L	1	06/18/25	AM	EPA 1633 Draft 3	C
Perfluorooctanesulfonic Acid (PFOS)	ND	1.71	0.754	ng/L	1	06/18/25	AM	EPA 1633 Draft 3	C,B
Perfluorooctanoic acid (PFOA)	2.31	1.84	0.386	ng/L	1	06/18/25	AM	EPA 1633 Draft 3	C
Perfluoropentanesulfonic Acid (PFPeS)	ND	1.73	0.699	ng/L	1	06/18/25	AM	EPA 1633 Draft 3	C
Perfluoropentanoic acid (PFPeA)	2.39	J 3.68	0.212	ng/L	1	06/18/25	AM	EPA 1633 Draft 3	C
Perfluorotetradecanoic acid (PFTA)	ND	1.84	0.635	ng/L	1	06/18/25	AM	EPA 1633 Draft 3	C
Perfluorotridecanoic acid (PFTrDA)	ND	1.84	0.681	ng/L	1	06/18/25	AM	EPA 1633 Draft 3	C
Perfluoroundecanoic acid (PFUnA)	ND	1.84	1.04	ng/L	1	06/18/25	AM	EPA 1633 Draft 3	C
PFEESA	ND	3.27	0.460	ng/L	1	06/18/25	AM	EPA 1633 Draft 3	C
PFMBA	ND	3.68	0.340	ng/L	1	06/18/25	AM	EPA 1633 Draft 3	C
PFMPA	ND	3.68	0.230	ng/L	1	06/18/25	AM	EPA 1633 Draft 3	C
<b>QA/QC Surrogates</b>									
% d3-N-MeFOSAA	93.3			%	1	06/18/25	AM	25 - 150 %	C
% d5-N-EtFOSAA	103			%	1	06/18/25	AM	25 - 150 %	C
% d7-N-MeFOSE	77.1			%	1	06/18/25	AM	25 - 150 %	C
% d9-N-EtFOSE	68.1			%	1	06/18/25	AM	25 - 150 %	C
% d-N-EtFOSA	100			%	1	06/18/25	AM	25 - 150 %	C
% d-N-MeFOSA	109			%	1	06/18/25	AM	25 - 150 %	C
% M2-4:2 FTS	113			%	1	06/18/25	AM	25 - 150 %	C
% M2-6:2 FTS	127			%	1	06/18/25	AM	25 - 200 %	C
% M2-8:2 FTS	121			%	1	06/18/25	AM	25 - 200 %	C
% M2PFTEDA	76.9			%	1	06/18/25	AM	10 - 150 %	C
% M3HFPO-DA	141			%	1	06/18/25	AM	25 - 150 %	C
% M3PFBS	121			%	1	06/18/25	AM	25 - 150 %	C
% M3PFHxS	129			%	1	06/18/25	AM	25 - 150 %	C
% M4PFHpA	126			%	1	06/18/25	AM	25 - 150 %	C
% M5PFHxA	121			%	1	06/18/25	AM	25 - 150 %	C
% M5PFPEA	52.7			%	1	06/18/25	AM	25 - 150 %	C
% M6PFDA	113			%	1	06/18/25	AM	25 - 150 %	C
% M7PFUDA	113			%	1	06/18/25	AM	25 - 150 %	C
% M8FOSA	99.6			%	1	06/18/25	AM	10 - 150 %	C
% M8PFOA	122			%	1	06/18/25	AM	25 - 150 %	C
% M8PFOS	121			%	1	06/18/25	AM	25 - 150 %	C
% M9PFNA	114			%	1	06/18/25	AM	25 - 150 %	C
% MPFBA	1.69			%	1	06/18/25	AM	25 - 150 %	C,3
% MPFDOA	94.9			%	1	06/18/25	AM	25 - 150 %	C
<b>Volatiles</b>									
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	
1,1,1-Trichloroethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	
1,1,2,2-Tetrachloroethane	ND	0.50		ug/L	1	06/11/25	MH	SW8260D	
1,1,2-Trichloroethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	
1,1-Dichloroethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	
1,1-Dichloroethene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	
1,1-Dichloropropene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	
1,2,3-Trichlorobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,2,3-Trichloropropane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,2,4-Trimethylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,2-Dibromoethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,2-Dichloroethane	ND	0.60		ug/L	1	06/11/25	MH	SW8260D
1,2-Dichloropropane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,3-Dichloropropane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
2,2-Dichloropropane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
2-Chlorotoluene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
2-Hexanone	ND	5.0		ug/L	1	06/11/25	MH	SW8260D
2-Isopropyltoluene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
4-Chlorotoluene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
4-Methyl-2-pentanone	ND	5.0		ug/L	1	06/11/25	MH	SW8260D
Acetone	ND	25		ug/L	1	06/11/25	MH	SW8260D
Acrylonitrile	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Benzene	ND	0.70		ug/L	1	06/11/25	MH	SW8260D
Bromobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Bromochloromethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Bromodichloromethane	7.4	0.50		ug/L	1	06/11/25	MH	SW8260D
Bromoform	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Bromomethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Carbon Disulfide	ND	5.0		ug/L	1	06/11/25	MH	SW8260D
Carbon tetrachloride	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Chlorobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Chloroethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Chloroform	14	1.0		ug/L	1	06/11/25	MH	SW8260D
Chloromethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40		ug/L	1	06/11/25	MH	SW8260D
Dibromochloromethane	3.0	0.50		ug/L	1	06/11/25	MH	SW8260D
Dibromomethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Dichlorodifluoromethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Ethylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Hexachlorobutadiene	ND	0.40		ug/L	1	06/11/25	MH	SW8260D
Isopropylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
m&p-Xylene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Methyl ethyl ketone	ND	5.0		ug/L	1	06/11/25	MH	SW8260D
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Methylene chloride	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Naphthalene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
n-Butylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
n-Propylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
o-Xylene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
p-Isopropyltoluene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
sec-Butylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Styrene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
tert-Butylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Tetrachloroethene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Tetrahydrofuran (THF)	ND	2.5		ug/L	1	06/11/25	MH	SW8260D 1
Toluene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Total Xylenes	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
trans-1,2-Dichloroethene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40		ug/L	1	06/11/25	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	5.0		ug/L	1	06/11/25	MH	SW8260D
Trichloroethene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Trichlorofluoromethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Vinyl chloride	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
<b>QA/QC Surrogates</b>								
% 1,2-dichlorobenzene-d4	107			%	1	06/11/25	MH	70 - 130 %
% Bromofluorobenzene	87			%	1	06/11/25	MH	70 - 130 %
% Dibromofluoromethane	109			%	1	06/11/25	MH	70 - 130 %
% Toluene-d8	110			%	1	06/11/25	MH	70 - 130 %
<b>1,4-dioxane</b>								
1,4-dioxane	ND	0.20		ug/l	1	06/17/25	AW	SW8270ESIM 1
<b>QA/QC Surrogates</b>								
% 1,4-dioxane-d8	92			%	1	06/17/25	AW	70 - 130 %
Extraction for 1,4-Dioxane	Completed					06/13/25	G/G	SW8270ESIM 1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

3 = This parameter exceeds laboratory specified limits.

C = This parameter is subcontracted.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit  
 QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

\*See attached

PFAS (40) by EPA 1633 (EPA 1633 Draft 3), PFOA/PFOS - Water Extraction (EPA 1633 Draft 3) were analyzed by NY certified lab #12058.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Jason Aurrichio at (203) 297-3673. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

June 27, 2025

Reviewed and Released by: Helen Geoghegan, Project Manager



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Jason Aurricchio (203) 297-3673



# Analysis Report

June 27, 2025

FOR: Attn: Patricia Clause  
 HydroEnvironmental Solutions, Inc.  
 2 Center Street  
 Croton Falls, New York 10519-092

## Sample Information

Matrix: WATER  
 Location Code: HES-NY  
 Rush Request: Standard  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SR1  
 Analyzed by: see "By" below

## Date

06/05/25  
 06/10/25

## Time

13:00  
 17:52

## Laboratory Data

SDG ID: GCT48047  
 Phoenix ID: CT48062

Project ID: 406 ROUTE 52, CARMEL, NY  
 Client ID: GW FIELD BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
PFAS (40) by EPA 1633	Completed					06/18/25	AM	EPA 1633 Draft 3	C
<b>PFAS (40) by EPA 1633</b>									
11CI-PF3OUdS	ND	7.23	1.32	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
1H,1H,2H,2H-Perfluorodecanesulfonic acid	ND	7.35	1.96	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	∩,B
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	ND	7.18	1.71	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
1H,1H,2H,2H-Perfluorooctanesulfonic acid	ND	7.27	7.18	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	∩,B
3:3FTCA	ND	4.78	1.94	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
5:3FTCA	ND	23.9	7.01	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
7:3FTCA	ND	23.9	9.06	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
9CI-PF3ONS	ND	7.16	0.670	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
ADONA	ND	7.23	0.507	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
HFPO-DA	ND	7.65	3.09	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
NEtFOSA	ND	1.91	1.72	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
NEtFOSAA	ND	1.91	0.985	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
NEtFOSE	ND	19.1	3.82	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
NFDHA	ND	3.83	2.05	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
NMeFOSA	ND	1.91	1.51	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
NMeFOSAA	ND	1.91	0.756	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
NMeFOSE	ND	19.1	3.82	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.85	1.26	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.83	0.871	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
Perfluoro-1-octanesulfonamide (FOSA)	ND	1.91	0.842	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
Perfluorobutanesulfonic acid (PFBS)	ND	1.69	0.450	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
Perfluorodecanoic acid (PFDA)	ND	1.91	0.718	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
Perfluorododecane Sulfonic Acid (PFDoDS)	ND	1.86	0.890	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
Perfluorododecanoic acid (PFDoA)	ND	1.91	0.842	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
Perfluoroheptanoic acid (PFHpA)	ND	1.91	0.679	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Perfluorohexanesulfonic Acid (PFHxS)	ND	1.75	0.651	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
Perfluorohexanoic acid (PFHxA)	ND	1.91	0.335	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
Perfluoro-n-butanoic acid (PFBA)	ND	7.65	0.316	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
Perfluorononanesulfonic Acid (PFNS)	ND	1.84	0.823	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
Perfluorononanoic acid (PFNA)	ND	1.91	0.498	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
Perfluorooctanesulfonic Acid (PFOS)	ND	1.78	0.785	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C,B
Perfluorooctanoic acid (PFOA)	ND	1.91	0.402	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
Perfluoropentanesulfonic Acid (PFPeS)	ND	1.80	0.727	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
Perfluoropentanoic acid (PFPeA)	ND	3.83	0.220	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
Perfluorotetradecanoic acid (PFTA)	ND	1.91	0.660	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
Perfluorotridecanoic acid (PFTrDA)	ND	1.91	0.708	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
Perfluoroundecanoic acid (PFUnA)	ND	1.91	1.08	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
PFEESA	ND	3.41	0.478	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
PFMBA	ND	3.83	0.354	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
PFMPA	ND	3.83	0.239	ng/L	1	06/19/25	AM	EPA 1633 Draft 3	C
<b>QA/QC Surrogates</b>									
% d3-N-MeFOSAA	121			%	1	06/19/25	AM	25 - 150 %	C
% d5-N-EtFOSAA	121			%	1	06/19/25	AM	25 - 150 %	C
% d7-N-MeFOSE	84.9			%	1	06/19/25	AM	25 - 150 %	C
% d9-N-EtFOSE	75.6			%	1	06/19/25	AM	25 - 150 %	C
% d-N-EtFOSA	121			%	1	06/19/25	AM	25 - 150 %	C
% d-N-MeFOSA	115			%	1	06/19/25	AM	25 - 150 %	C
% M2-4:2 FTS	144			%	1	06/19/25	AM	25 - 150 %	C
% M2-6:2 FTS	153			%	1	06/19/25	AM	25 - 200 %	C
% M2-8:2 FTS	147			%	1	06/19/25	AM	25 - 200 %	C
% M2PFTEDA	89.2			%	1	06/19/25	AM	10 - 150 %	C
% M3HFPO-DA	157			%	1	06/19/25	AM	25 - 150 %	C,3
% M3PFBS	133			%	1	06/19/25	AM	25 - 150 %	C
% M3PFHxS	140			%	1	06/19/25	AM	25 - 150 %	C
% M4PFHpA	139			%	1	06/19/25	AM	25 - 150 %	C
% M5PFHxA	135			%	1	06/19/25	AM	25 - 150 %	C
% M5PFPEA	60.2			%	1	06/19/25	AM	25 - 150 %	C
% M6PFDA	141			%	1	06/19/25	AM	25 - 150 %	C
% M7PFUDA	144			%	1	06/19/25	AM	25 - 150 %	C
% M8FOSA	114			%	1	06/19/25	AM	10 - 150 %	C
% M8PFOA	135			%	1	06/19/25	AM	25 - 150 %	C
% M8PFOS	142			%	1	06/19/25	AM	25 - 150 %	C
% M9PFNA	133			%	1	06/19/25	AM	25 - 150 %	C
% MPFBA	2.55			%	1	06/19/25	AM	25 - 150 %	C,3
% MPFDOA	122			%	1	06/19/25	AM	25 - 150 %	C
<b>Volatiles</b>									
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	
1,1,1-Trichloroethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	
1,1,2,2-Tetrachloroethane	ND	0.50		ug/L	1	06/11/25	MH	SW8260D	
1,1,2-Trichloroethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	
1,1-Dichloroethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	
1,1-Dichloroethene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	
1,1-Dichloropropene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	
1,2,3-Trichlorobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,2,3-Trichloropropane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,2,4-Trimethylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,2-Dibromoethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,2-Dichloroethane	ND	0.60		ug/L	1	06/11/25	MH	SW8260D
1,2-Dichloropropane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,3-Dichloropropane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
2,2-Dichloropropane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
2-Chlorotoluene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
2-Hexanone	ND	5.0		ug/L	1	06/11/25	MH	SW8260D
2-Isopropyltoluene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
4-Chlorotoluene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
4-Methyl-2-pentanone	ND	5.0		ug/L	1	06/11/25	MH	SW8260D
Acetone	ND	25		ug/L	1	06/11/25	MH	SW8260D
Acrylonitrile	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Benzene	ND	0.70		ug/L	1	06/11/25	MH	SW8260D
Bromobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Bromochloromethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Bromodichloromethane	ND	0.50		ug/L	1	06/11/25	MH	SW8260D
Bromoform	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Bromomethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Carbon Disulfide	ND	5.0		ug/L	1	06/11/25	MH	SW8260D
Carbon tetrachloride	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Chlorobenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Chloroethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Chloroform	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Chloromethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40		ug/L	1	06/11/25	MH	SW8260D
Dibromochloromethane	ND	0.50		ug/L	1	06/11/25	MH	SW8260D
Dibromomethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Dichlorodifluoromethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Ethylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Hexachlorobutadiene	ND	0.40		ug/L	1	06/11/25	MH	SW8260D
Isopropylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
m&p-Xylene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Methyl ethyl ketone	ND	5.0		ug/L	1	06/11/25	MH	SW8260D
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Methylene chloride	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Naphthalene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
n-Butylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
n-Propylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
o-Xylene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
p-Isopropyltoluene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
sec-Butylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Styrene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
tert-Butylbenzene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Tetrachloroethene	1.0	1.0		ug/L	1	06/11/25	MH	SW8260D
Tetrahydrofuran (THF)	ND	2.5		ug/L	1	06/11/25	MH	SW8260D
Toluene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Total Xylenes	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
trans-1,2-Dichloroethene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40		ug/L	1	06/11/25	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	5.0		ug/L	1	06/11/25	MH	SW8260D
Trichloroethene	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Trichlorofluoromethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
Vinyl chloride	ND	1.0		ug/L	1	06/11/25	MH	SW8260D
<b>QA/QC Surrogates</b>								
% 1,2-dichlorobenzene-d4	104			%	1	06/11/25	MH	70 - 130 %
% Bromofluorobenzene	91			%	1	06/11/25	MH	70 - 130 %
% Dibromofluoromethane	107			%	1	06/11/25	MH	70 - 130 %
% Toluene-d8	101			%	1	06/11/25	MH	70 - 130 %
<b>1,4-dioxane</b>								
1,4-dioxane	ND	0.20		ug/l	1	06/17/25	AW	SW8270ESIM
<b>QA/QC Surrogates</b>								
% 1,4-dioxane-d8	99			%	1	06/17/25	AW	70 - 130 %
Extraction for 1,4-Dioxane	Completed					06/13/25	G/G	SW8270ESIM

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

3 = This parameter exceeds laboratory specified limits.

C = This parameter is subcontracted.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL

BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

\*See attached

PFAS (40) by EPA 1633 (EPA 1633 Draft 3), PFOA/PFOS - Water Extraction (EPA 1633 Draft 3) were analyzed by NY certified lab #12058.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Jason Aurrichio at (203) 297-3673. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

June 27, 2025

Reviewed and Released by: Helen Geoghegan, Project Manager

























Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102



# QA/QC Report

June 27, 2025

## QA/QC Data

SDG I.D.: GCT48047

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 791022 (ng/L), QC Sample No: CT48047 (CT48047, CT48051, CT48055)										
<b>PFOA &amp; PFOS</b>										
11Cl-PF3OUdS	ND	1.99	80.9						70 - 130	
9Cl-PF3ONS	ND	1.99	92.3						70 - 130	
ADONA	ND	1.99	98.0						70 - 130	
HFPO-DA	ND	1.99	85.5						70 - 130	
NEtFOSAA	ND	1.99	122						70 - 130	
NMeFOSAA	ND	1.99	92.4						70 - 130	
PFBS	ND	1.99	83.2						70 - 130	
PFDA	ND	1.99	98.9						70 - 130	
PFDaA	ND	1.99	90.9						70 - 130	
PFHpA	ND	1.99	98.5						70 - 130	
PFHxA	ND	1.99	98.6						70 - 130	
PFHxS	ND	1.99	100						70 - 130	
PFNA	ND	1.99	98.6						70 - 130	
PFOA	ND	1.99	99.8						70 - 130	
PFOS	ND	1.99	93.5						70 - 130	
PFTA	ND	1.99	95.4						70 - 130	
PFTTrDA	ND	1.99	83.3						70 - 130	
PFUnA	ND	1.99	94.6						70 - 130	
% d5-N-EtFOSAA	135		119						70 - 130	s
% M3HFPO-DA	103		82.3						70 - 130	
% MPFDA	113		88.8						70 - 130	
% MPFHxA	119		93.0						70 - 130	
QA/QC Batch 791023 (ng/L), QC Sample No: CT48056 (CT48056)										
<b>PFOA &amp; PFOS</b>										
11Cl-PF3OUdS	ND	2.00	115						70 - 130	
9Cl-PF3ONS	ND	2.00	121						70 - 130	
ADONA	ND	2.00	110						70 - 130	
HFPO-DA	ND	2.00	134						70 - 130	l
NEtFOSAA	ND	2.00	120						70 - 130	
NMeFOSAA	ND	2.00	104						70 - 130	
PFBS	ND	2.00	91.3						70 - 130	
PFDA	ND	2.00	122						70 - 130	
PFDaA	ND	2.00	128						70 - 130	
PFHpA	ND	2.00	106						70 - 130	
PFHxA	ND	2.00	89.6						70 - 130	
PFHxS	ND	2.00	114						70 - 130	
PFNA	ND	2.00	125						70 - 130	
PFOA	ND	2.00	113						70 - 130	
PFOS	ND	2.00	119						70 - 130	
PFTA	ND	2.00	106						70 - 130	
PFTTrDA	ND	2.00	105						70 - 130	

## QA/QC Data

SDG I.D.: GCT48047

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
PFUnA	ND	2.00	131						70 - 130	1
% d5-N-EtFOSAA	133		130						70 - 130	s
% M3HFPO-DA	112		107						70 - 130	
% MPFDA	124		137						70 - 130	1
% MPFHxA	95.7		95.6						70 - 130	
QA/QC Batch 790365 (ng/L), QC Sample No: CT48058 (CT48058, CT48060)										
<b><u>PFOA &amp; PFOS</u></b>										
11Cl-PF3OUdS	ND	7.56	90.8	90.1					50 - 150	
3:3FTCA	ND	5.00	68.9	66.4					50 - 150	
4:2FTS	ND	7.50	119	94.3					50 - 150	
5:3FTCA	ND	25.0	106	105					50 - 150	
6:2FTS	ND	7.60	114	92.2					50 - 150	
7:3FTCA	ND	25.0	107	106					50 - 150	
8:2FTS	ND	7.68	116	102					50 - 150	
9Cl-PF3ONS	ND	7.48	97.7	96.8					50 - 150	
ADONA	ND	7.56	111	83.4					50 - 150	
FOSA	ND	2.00	105	94.3					50 - 150	
HFPO-DA	ND	8.00	108	107					50 - 150	
NEtFOSA	ND	2.00	95.0	100					50 - 150	
NEtFOSAA	ND	2.00	114	81.7					50 - 150	
NEtFOSE	ND	20.0	107	92.5					50 - 150	
NFDHA	ND	4.00	121	108					50 - 150	
NMeFOSA	ND	2.00	96.7	86.9					50 - 150	
NMeFOSAA	ND	2.00	95.1	121					50 - 150	
NMeFOSE	ND	20.0	106	86.9					50 - 150	
PFBA	ND	8.00	109	97.7					50 - 150	
PFBS	ND	1.77	111	111					50 - 150	
PFDA	ND	2.00	106	98.9					50 - 150	
PFDoA	ND	2.00	109	96.8					50 - 150	
PFDoDS	ND	1.94	81.7	69.2					50 - 150	
PFDS	ND	1.93	90.8	69.9					50 - 150	
PFEESA	ND	3.56	111	101					50 - 150	
PFHpA	ND	2.00	95.1	85.2					50 - 150	
PFHpS	ND	1.91	108	95.0					50 - 150	
PFHxA	ND	2.00	110	98.0					50 - 150	
PFHxS	ND	1.83	115	114					50 - 150	
PFMBA	ND	4.00	133	138					50 - 150	
PFMPA	ND	4.00	38.2	28.6					50 - 150	1
PFNA	ND	2.00	106	90.5					50 - 150	
PFNS	ND	1.92	102	87.8					50 - 150	
PFOA	ND	2.00	107	95.6					50 - 150	
PFOS	ND	1.86	108	84.7					50 - 150	
PFPeA	ND	4.00	107	106					50 - 150	
PFPeS	ND	1.88	113	113					50 - 150	
PFTA	ND	2.00	110	90.2					50 - 150	
PFTTrDA	ND	2.00	120	87.8					50 - 150	
PFUnA	ND	2.00	108	91.9					50 - 150	
% d3-N-MeFOSAA	93.0		98.4	86.4					25 - 150	
% d5-N-EtFOSAA	103		99.5	95.9					25 - 150	
% M2-4:2 FTS	131		108	108					25 - 150	
% M2-6:2 FTS	128		110	111					25 - 200	
% M2-8:2 FTS	99.8		95.7	96.5					25 - 200	

## QA/QC Data

SDG I.D.: GCT48047

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
% M2PFTEA	89.8		80.9	82.7					10 - 150	
% M3HFPO-DA	119		129	127					25 - 150	
% M3PFBS	111		123	102					25 - 150	
% M3PFHxS	112		114	97.3					25 - 150	
% M4PFHpA	122		134	137					25 - 150	
% M5PFHxA	109		119	117					25 - 150	
% M5PFPEA	55.9		85.7	68.9					25 - 150	
% M6PFDA	117		104	109					25 - 150	
% M7PFUDA	120		110	114					25 - 150	
% M8FOSA	94.1		96.5	93.7					10 - 150	
% M8PFOA	112		112	108					25 - 150	
% M8PFOS	107		112	111					25 - 150	
% M9PFNA	107		108	108					25 - 150	
% MPFBA	5.91		11.4	8.08					25 - 150	l,s
% MPFDOA	104		96.7	93.2					25 - 150	

Comment:

LCS/LCSD are spiked per method at different levels, no RPD is provided.

QA/QC Batch 790364 (ng/L), QC Sample No: CT48061 (CT48061, CT48062)

### PFOA & PFOS

11CI-PF3OUdS	ND	7.56	105	92.3					50 - 150	
3:3FTCA	ND	5.00	67.1	69.4					50 - 150	
4:2FTS	ND	7.50	111	99.0					50 - 150	
5:3FTCA	ND	25.0	117	108					50 - 150	
6:2FTS	48.6	7.60	118	150					50 - 150	
7:3FTCA	ND	25.0	129	111					50 - 150	
8:2FTS	2.71	7.68	115	102					50 - 150	
9CI-PF3ONS	ND	7.48	99.0	96.3					50 - 150	
ADONA	ND	7.56	105	90.4					50 - 150	
FOSA	ND	2.00	108	94.9					50 - 150	
HFPO-DA	ND	8.00	112	89.8					50 - 150	
NEtFOSA	ND	2.00	102	105					50 - 150	
NEtFOSAA	ND	2.00	110	102					50 - 150	
NEtFOSE	ND	20.0	114	90.6					50 - 150	
NFDHA	ND	4.00	99.4	69.0					50 - 150	
NMeFOSA	ND	2.00	98.9	78.2					50 - 150	
NMeFOSAA	ND	2.00	109	102					50 - 150	
NMeFOSE	ND	20.0	109	90.9					50 - 150	
PFBA	ND	8.00	90.6	102					50 - 150	
PFBS	ND	1.77	120	105					50 - 150	
PFDA	ND	2.00	104	91.7					50 - 150	
PFDoA	ND	2.00	105	92.3					50 - 150	
PFDoDS	ND	1.94	79.1	69.7					50 - 150	
PFDS	ND	1.93	106	98.2					50 - 150	
PFEESA	ND	3.56	119	104					50 - 150	
PFHpA	ND	2.00	109	94.5					50 - 150	
PFHpS	ND	1.91	108	99.2					50 - 150	
PFHxA	ND	2.00	111	116					50 - 150	
PFHxS	ND	1.83	115	107					50 - 150	
PFMBA	ND	4.00	170	174					50 - 150	l
PFMPA	ND	4.00	22.0	13.3					50 - 150	l
PFNA	ND	2.00	112	79.7					50 - 150	
PFNS	ND	1.92	123	97.9					50 - 150	

QA/QC Data

SDG I.D.: GCT48047

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
PFOA	ND	2.00	103	93.7					50 - 150	
PFOS	1.64	1.86	113	101					50 - 150	
PFPeA	ND	4.00	111	110					50 - 150	
PFPeS	ND	1.88	115	97.5					50 - 150	
PFTA	ND	2.00	115	98.3					50 - 150	
PFTrDA	ND	2.00	132	106					50 - 150	
PFOA	ND	2.00	107	102					50 - 150	
% d3-N-MeFOSAA	101		122	104					25 - 150	
% d5-N-EtFOSAA	101		119	110					25 - 150	
% M2-4:2 FTS	137		113	124					25 - 150	
% M2-6:2 FTS	142		122	132					25 - 200	
% M2-8:2 FTS	106		113	121					25 - 200	
% M2PFTEDA	83.3		86.8	89.7					10 - 150	
% M3HFPO-DA	136		145	138					25 - 150	
% M3PFBS	117		116	111					25 - 150	
% M3PFHxS	130		130	123					25 - 150	
% M4PFHpA	127		133	119					25 - 150	
% M5PFHxA	122		126	123					25 - 150	
% M5PFPEA	44.7		58.4	47.9					25 - 150	
% M6PFDA	123		123	136					25 - 150	
% M7PFUDA	121		133	124					25 - 150	
% M8FOSA	110		109	105					10 - 150	
% M8PFOA	125		127	117					25 - 150	
% M8PFOS	127		125	127					25 - 150	
% M9PFNA	113		116	117					25 - 150	
% MPFBA	1.78		3.44	1.76					25 - 150	l,s
% MPFDOA	109		110	112					25 - 150	

Comment:

LCS/LCSD are spiked per method at different levels, no RPD is provided.

QA/QC Batch 788884 (ug/l), QC Sample No: CT46934 (CT48058, CT48060, CT48061, CT48062)

1,4dioxane - Ground Water

1,4-dioxane (ISO)	ND	0.20	92	96	4.3	99			70 - 130	20
% 1,4-dioxane-d8 (ISO)	105	%	104	104	0.0	98			70 - 130	20

QA/QC Batch 789153 (ug/l), QC Sample No: CT48051 (CT48051, CT48055, CT48056)

1,4dioxane - Drinking Water

1,4-dioxane	ND	0.20	111	113	1.8	93			70 - 130	20
% 1,4-dioxane-d8	98	%	109	101	7.6	90			70 - 130	20

QA/QC Batch 790435 (ug/l), QC Sample No: CT57242 (CT48047)

1,4dioxane - Drinking Water

1,4-dioxane	ND	0.20	115	91	23.3	113			70 - 130	20
% 1,4-dioxane-d8	89	%	100	97	3.0	101			70 - 130	20

QA/QC Batch 788934 (ug/L), QC Sample No: CT47819 (CT48057, CT48058, CT48059, CT48060, CT48061, CT48062)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	106	107	0.9				70 - 130	20
1,1,1-Trichloroethane	ND	1.0	114	114	0.0				70 - 130	20
1,1,2,2-Tetrachloroethane	ND	0.50	106	104	1.9				70 - 130	20
1,1,2-Trichloroethane	ND	1.0	109	110	0.9				70 - 130	20
1,1-Dichloroethane	ND	1.0	131	141	7.4				70 - 130	20
1,1-Dichloroethene	ND	1.0	119	121	1.7				70 - 130	20
1,1-Dichloropropene	ND	1.0	103	104	1.0				70 - 130	20

QA/QC Data

SDG I.D.: GCT48047

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
1,2,3-Trichlorobenzene	ND	1.0	102	99	3.0				70 - 130	20
1,2,3-Trichloropropane	ND	1.0	111	113	1.8				70 - 130	20
1,2,4-Trichlorobenzene	ND	1.0	104	104	0.0				70 - 130	20
1,2,4-Trimethylbenzene	ND	1.0	115	109	5.4				70 - 130	20
1,2-Dibromo-3-chloropropane	ND	1.0	99	93	6.3				70 - 130	20
1,2-Dibromoethane	ND	1.0	105	108	2.8				70 - 130	20
1,2-Dichlorobenzene	ND	1.0	106	105	0.9				70 - 130	20
1,2-Dichloroethane	ND	1.0	106	110	3.7				70 - 130	20
1,2-Dichloropropane	ND	1.0	107	106	0.9				70 - 130	20
1,3,5-Trimethylbenzene	ND	1.0	116	113	2.6				70 - 130	20
1,3-Dichlorobenzene	ND	1.0	107	103	3.8				70 - 130	20
1,3-Dichloropropane	ND	1.0	106	108	1.9				70 - 130	20
1,4-Dichlorobenzene	ND	1.0	105	105	0.0				70 - 130	20
2,2-Dichloropropane	ND	1.0	111	112	0.9				70 - 130	20
2-Chlorotoluene	ND	1.0	111	108	2.7				70 - 130	20
2-Hexanone	ND	5.0	87	85	2.3				70 - 130	20
2-Isopropyltoluene	ND	1.0	113	113	0.0				70 - 130	20
4-Chlorotoluene	ND	1.0	111	106	4.6				70 - 130	20
4-Methyl-2-pentanone	ND	5.0	96	99	3.1				70 - 130	20
Acetone	ND	5.0	106	110	3.7				70 - 130	20
Acrylonitrile	ND	5.0	118	112	5.2				70 - 130	20
Benzene	ND	0.70	102	103	1.0				70 - 130	20
Bromobenzene	ND	1.0	111	107	3.7				70 - 130	20
Bromochloromethane	ND	1.0	113	112	0.9				70 - 130	20
Bromodichloromethane	ND	0.50	107	111	3.7				70 - 130	20
Bromoform	ND	1.0	105	106	0.9				70 - 130	20
Bromomethane	ND	1.0	143	140	2.1				70 - 130	20
Carbon Disulfide	ND	1.0	127	126	0.8				70 - 130	20
Carbon tetrachloride	ND	1.0	115	108	6.3				70 - 130	20
Chlorobenzene	ND	1.0	109	109	0.0				70 - 130	20
Chloroethane	ND	1.0	136	134	1.5				70 - 130	20
Chloroform	ND	1.0	119	113	5.2				70 - 130	20
Chloromethane	ND	1.0	120	119	0.8				70 - 130	20
cis-1,2-Dichloroethene	ND	1.0	111	113	1.8				70 - 130	20
cis-1,3-Dichloropropene	ND	0.40	104	105	1.0				70 - 130	20
Dibromochloromethane	ND	0.50	105	107	1.9				70 - 130	20
Dibromomethane	ND	1.0	112	114	1.8				70 - 130	20
Dichlorodifluoromethane	ND	1.0	138	133	3.7				70 - 130	20
Ethylbenzene	ND	1.0	109	109	0.0				70 - 130	20
Hexachlorobutadiene	ND	0.40	106	106	0.0				70 - 130	20
Isopropylbenzene	ND	1.0	113	106	6.4				70 - 130	20
m&p-Xylene	ND	1.0	112	113	0.9				70 - 130	20
Methyl ethyl ketone	ND	5.0	99	96	3.1				70 - 130	20
Methyl t-butyl ether (MTBE)	ND	1.0	120	114	5.1				70 - 130	20
Methylene chloride	ND	1.0	116	116	0.0				70 - 130	20
Naphthalene	ND	1.0	104	104	0.0				70 - 130	20
n-Butylbenzene	ND	1.0	112	112	0.0				70 - 130	20
n-Propylbenzene	ND	1.0	112	107	4.6				70 - 130	20
o-Xylene	ND	1.0	112	111	0.9				70 - 130	20
p-Isopropyltoluene	ND	1.0	115	111	3.5				70 - 130	20
sec-Butylbenzene	ND	1.0	117	109	7.1				70 - 130	20
Styrene	ND	1.0	111	114	2.7				70 - 130	20
tert-Butylbenzene	ND	1.0	113	108	4.5				70 - 130	20

## QA/QC Data

SDG I.D.: GCT48047

Parameter	Blank		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	BLK RL								
Tetrachloroethene	ND	1.0	110	111	0.9				70 - 130	20
Tetrahydrofuran (THF)	ND	2.5	104	103	1.0				70 - 130	20
Toluene	ND	1.0	103	105	1.9				70 - 130	20
trans-1,2-Dichloroethene	ND	1.0	120	121	0.8				70 - 130	20
trans-1,3-Dichloropropene	ND	0.40	102	105	2.9				70 - 130	20
trans-1,4-dichloro-2-butene	ND	5.0	103	101	2.0				70 - 130	20
Trichloroethene	ND	1.0	110	107	2.8				70 - 130	20
Trichlorofluoromethane	ND	1.0	126	128	1.6				70 - 130	20
Trichlorotrifluoroethane	ND	1.0	125	125	0.0				70 - 130	20
Vinyl chloride	ND	1.0	124	123	0.8				70 - 130	20
% 1,2-dichlorobenzene-d4	104	%	98	100	2.0				70 - 130	20
% Bromofluorobenzene	89	%	98	102	4.0				70 - 130	20
% Dibromofluoromethane	104	%	103	101	2.0				70 - 130	20
% Toluene-d8	103	%	100	100	0.0				70 - 130	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 789387 (ug/L), QC Sample No: CT46421 (CT48047)

### Volatiles - Drinking Water

1,1,1,2-Tetrachloroethane	ND	0.50	94	87	7.7				70 - 130	30
1,1,1-Trichloroethane	ND	0.50	100	100	0.0				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	98	89	9.6				70 - 130	30
1,1,2-Trichloroethane	ND	0.50	99	89	10.6				70 - 130	30
1,1-Dichloroethane	ND	0.50	107	102	4.8				70 - 130	30
1,1-Dichloroethene	ND	0.50	86	91	5.6				70 - 130	30
1,1-Dichloropropene	ND	0.40	94	96	2.1				70 - 130	30
1,2,3-Trichlorobenzene	ND	0.50	88	83	5.8				70 - 130	30
1,2,3-Trichloropropane	ND	0.50	103	94	9.1				70 - 130	30
1,2,4-Trichlorobenzene	ND	0.50	88	83	5.8				70 - 130	30
1,2,4-Trimethylbenzene	ND	0.50	88	82	7.1				70 - 130	30
1,2-Dichlorobenzene	ND	0.50	95	87	8.8				70 - 130	30
1,2-Dichloroethane	ND	0.50	117	109	7.1				70 - 130	30
1,2-Dichloropropane	ND	0.50	104	97	7.0				70 - 130	30
1,3,5-Trimethylbenzene	ND	0.50	92	87	5.6				70 - 130	30
1,3-Dichlorobenzene	ND	0.50	93	87	6.7				70 - 130	30
1,3-Dichloropropane	ND	0.50	100	92	8.3				70 - 130	30
1,4-Dichlorobenzene	ND	0.50	94	87	7.7				70 - 130	30
2,2-Dichloropropane	ND	0.50	89	95	6.5				70 - 130	30
2-Chlorotoluene	ND	0.50	88	83	5.8				70 - 130	30
4-Chlorotoluene	ND	0.50	90	85	5.7				70 - 130	30
Benzene	ND	0.50	90	88	2.2				70 - 130	30
Bromobenzene	ND	0.50	92	83	10.3				70 - 130	30
Bromochloromethane	ND	0.50	96	88	8.7				70 - 130	30
Bromodichloromethane	ND	0.50	103	95	8.1				70 - 130	30
Bromoform	ND	0.50	89	80	10.7				70 - 130	30
Bromomethane	ND	0.50	99	92	7.3				70 - 130	30
Carbon tetrachloride	ND	0.50	97	101	4.0				70 - 130	30
Chlorobenzene	ND	0.50	93	87	6.7				70 - 130	30
Chloroethane	ND	0.50	105	101	3.9				70 - 130	30
Chloroform	ND	0.50	105	101	3.9				70 - 130	30
Chloromethane	ND	0.50	128	125	2.4				70 - 130	30

## QA/QC Data

SDG I.D.: GCT48047

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
cis-1,2-Dichloroethene	ND	0.50	95	92	3.2				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	92	88	4.4				70 - 130	30
Dibromochloromethane	ND	0.50	98	89	9.6				70 - 130	30
Dibromomethane	ND	0.50	103	94	9.1				70 - 130	30
Dichlorodifluoromethane	ND	0.50	108	113	4.5				70 - 130	30
Ethylbenzene	ND	0.50	86	84	2.4				70 - 130	30
Hexachlorobutadiene	ND	0.40	85	84	1.2				70 - 130	30
Isopropylbenzene	ND	0.50	88	86	2.3				70 - 130	30
m&p-Xylene	ND	0.50	88	84	4.7				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	0.50	93	84	10.2				70 - 130	30
Methylene chloride	ND	0.50	94	90	4.3				70 - 130	30
Naphthalene	ND	0.50	87	78	10.9				70 - 130	30
n-Butylbenzene	ND	0.50	91	91	0.0				70 - 130	30
n-Propylbenzene	ND	0.50	88	84	4.7				70 - 130	30
o-Xylene	ND	0.50	87	81	7.1				70 - 130	30
p-Isopropyltoluene	ND	0.50	90	87	3.4				70 - 130	30
sec-Butylbenzene	ND	0.50	90	89	1.1				70 - 130	30
Styrene	ND	0.50	94	87	7.7				70 - 130	30
tert-Butylbenzene	ND	0.50	90	87	3.4				70 - 130	30
Tetrachloroethene	ND	0.50	86	86	0.0				70 - 130	30
Toluene	ND	0.50	86	82	4.8				70 - 130	30
trans-1,2-Dichloroethene	ND	0.50	95	95	0.0				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	96	88	8.7				70 - 130	30
Trichloroethene	ND	0.50	92	89	3.3				70 - 130	30
Trichlorofluoromethane	ND	0.50	104	108	3.8				70 - 130	30
Trichlorotrifluoroethane	ND	0.50	82	90	9.3				70 - 130	30
Vinyl chloride	ND	0.50	99	101	2.0				70 - 130	30
% 1,2-dichlorobenzene-d4	96	%	102	98	4.0				70 - 130	30
% Bromofluorobenzene	99	%	104	100	3.9				70 - 130	30

QA/QC Batch 789171 (ug/L), QC Sample No: CT46595 (CT48048, CT48049, CT48050, CT48051, CT48052, CT48053)

### Volatiles - Drinking Water

1,1,1,2-Tetrachloroethane	ND	0.50	98	95	3.1				70 - 130	30
1,1,1-Trichloroethane	ND	0.50	108	104	3.8				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	97	95	2.1				70 - 130	30
1,1,2-Trichloroethane	ND	0.50	104	101	2.9				70 - 130	30
1,1-Dichloroethane	ND	0.50	111	105	5.6				70 - 130	30
1,1-Dichloroethene	ND	0.50	105	99	5.9				70 - 130	30
1,1-Dichloropropene	ND	0.40	106	100	5.8				70 - 130	30
1,2,3-Trichlorobenzene	ND	0.50	97	94	3.1				70 - 130	30
1,2,3-Trichloropropane	ND	0.50	101	97	4.0				70 - 130	30
1,2,4-Trichlorobenzene	ND	0.50	98	93	5.2				70 - 130	30
1,2,4-Trimethylbenzene	ND	0.50	97	91	6.4				70 - 130	30
1,2-Dichlorobenzene	ND	0.50	101	95	6.1				70 - 130	30
1,2-Dichloroethane	ND	0.50	106	103	2.9				70 - 130	30
1,2-Dichloropropane	ND	0.50	106	102	3.8				70 - 130	30
1,3,5-Trimethylbenzene	ND	0.50	101	96	5.1				70 - 130	30
1,3-Dichlorobenzene	ND	0.50	102	96	6.1				70 - 130	30
1,3-Dichloropropane	ND	0.50	103	100	3.0				70 - 130	30
1,4-Dichlorobenzene	ND	0.50	102	95	7.1				70 - 130	30
2,2-Dichloropropane	ND	0.50	94	93	1.1				70 - 130	30
2-Chlorotoluene	ND	0.50	99	94	5.2				70 - 130	30
4-Chlorotoluene	ND	0.50	99	93	6.3				70 - 130	30

## QA/QC Data

SDG I.D.: GCT48047

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
Benzene	ND	0.50	101	95	6.1				70 - 130	30
Bromobenzene	ND	0.50	101	95	6.1				70 - 130	30
Bromochloromethane	ND	0.50	104	98	5.9				70 - 130	30
Bromodichloromethane	ND	0.50	102	98	4.0				70 - 130	30
Bromoform	ND	0.50	88	85	3.5				70 - 130	30
Bromomethane	ND	0.50	110	102	7.5				70 - 130	30
Carbon tetrachloride	ND	0.50	104	99	4.9				70 - 130	30
Chlorobenzene	ND	0.50	103	98	5.0				70 - 130	30
Chloroethane	ND	0.50	114	109	4.5				70 - 130	30
Chloroform	ND	0.50	111	105	5.6				70 - 130	30
Chloromethane	ND	0.50	122	114	6.8				70 - 130	30
cis-1,2-Dichloroethene	ND	0.50	107	101	5.8				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	98	94	4.2				70 - 130	30
Dibromochloromethane	ND	0.50	99	94	5.2				70 - 130	30
Dibromomethane	ND	0.50	103	101	2.0				70 - 130	30
Dichlorodifluoromethane	ND	0.50	121	119	1.7				70 - 130	30
Ethylbenzene	ND	0.50	99	93	6.3				70 - 130	30
Hexachlorobutadiene	ND	0.40	92	92	0.0				70 - 130	30
Isopropylbenzene	ND	0.50	102	96	6.1				70 - 130	30
m&p-Xylene	ND	0.50	100	93	7.3				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	0.50	96	91	5.3				70 - 130	30
Methylene chloride	ND	0.50	101	99	2.0				70 - 130	30
Naphthalene	ND	0.50	93	91	2.2				70 - 130	30
n-Butylbenzene	ND	0.50	98	94	4.2				70 - 130	30
n-Propylbenzene	ND	0.50	99	94	5.2				70 - 130	30
o-Xylene	ND	0.50	96	92	4.3				70 - 130	30
p-Isopropyltoluene	ND	0.50	100	95	5.1				70 - 130	30
sec-Butylbenzene	ND	0.50	100	95	5.1				70 - 130	30
Styrene	ND	0.50	103	98	5.0				70 - 130	30
tert-Butylbenzene	ND	0.50	101	96	5.1				70 - 130	30
Tetrachloroethene	ND	0.50	102	98	4.0				70 - 130	30
Toluene	ND	0.50	99	93	6.3				70 - 130	30
trans-1,2-Dichloroethene	ND	0.50	107	102	4.8				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	96	93	3.2				70 - 130	30
Trichloroethene	ND	0.50	104	99	4.9				70 - 130	30
Trichlorofluoromethane	ND	0.50	113	110	2.7				70 - 130	30
Trichlorotrifluoroethane	ND	0.50	102	100	2.0				70 - 130	30
Vinyl chloride	ND	0.50	111	105	5.6				70 - 130	30
% 1,2-dichlorobenzene-d4	93	%	96	98	2.1				70 - 130	30
% Bromofluorobenzene	95	%	99	100	1.0				70 - 130	30

Comment:

This batch consists of a blank, LCS and LCSD.

QA/QC Batch 789173 (ug/L), QC Sample No: CT48054 (CT48051 (5X) , CT48054, CT48055, CT48056)

### Volatiles - Drinking Water

1,1,1,2-Tetrachloroethane	ND	0.50	98	96	2.1				70 - 130	30
1,1,1-Trichloroethane	ND	0.50	109	104	4.7				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	102	99	3.0				70 - 130	30
1,1,2-Trichloroethane	ND	0.50	104	101	2.9				70 - 130	30
1,1-Dichloroethane	ND	0.50	111	107	3.7				70 - 130	30
1,1-Dichloroethene	ND	0.50	102	97	5.0				70 - 130	30
1,1-Dichloropropene	ND	0.40	106	99	6.8				70 - 130	30
1,2,3-Trichlorobenzene	ND	0.50	98	95	3.1				70 - 130	30

## QA/QC Data

SDG I.D.: GCT48047

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
1,2,3-Trichloropropane	ND	0.50	105	104	1.0				70 - 130	30
1,2,4-Trichlorobenzene	ND	0.50	97	94	3.1				70 - 130	30
1,2,4-Trimethylbenzene	ND	0.50	96	94	2.1				70 - 130	30
1,2-Dichlorobenzene	ND	0.50	101	99	2.0				70 - 130	30
1,2-Dichloroethane	ND	0.50	109	109	0.0				70 - 130	30
1,2-Dichloropropane	ND	0.50	105	102	2.9				70 - 130	30
1,3,5-Trimethylbenzene	ND	0.50	101	97	4.0				70 - 130	30
1,3-Dichlorobenzene	ND	0.50	102	99	3.0				70 - 130	30
1,3-Dichloropropane	ND	0.50	102	102	0.0				70 - 130	30
1,4-Dichlorobenzene	ND	0.50	100	101	1.0				70 - 130	30
2,2-Dichloropropane	ND	0.50	99	100	1.0				70 - 130	30
2-Chlorotoluene	ND	0.50	95	94	1.1				70 - 130	30
4-Chlorotoluene	ND	0.50	97	94	3.1				70 - 130	30
Benzene	ND	0.50	98	94	4.2				70 - 130	30
Bromobenzene	ND	0.50	100	96	4.1				70 - 130	30
Bromochloromethane	ND	0.50	102	101	1.0				70 - 130	30
Bromodichloromethane	ND	0.50	104	101	2.9				70 - 130	30
Bromoform	ND	0.50	92	91	1.1				70 - 130	30
Bromomethane	ND	0.50	103	100	3.0				70 - 130	30
Carbon tetrachloride	ND	0.50	105	101	3.9				70 - 130	30
Chlorobenzene	ND	0.50	100	98	2.0				70 - 130	30
Chloroethane	ND	0.50	114	106	7.3				70 - 130	30
Chloroform	ND	0.50	110	107	2.8				70 - 130	30
Chloromethane	ND	0.50	123	115	6.7				70 - 130	30
cis-1,2-Dichloroethene	ND	0.50	104	98	5.9				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	98	97	1.0				70 - 130	30
Dibromochloromethane	ND	0.50	100	99	1.0				70 - 130	30
Dibromomethane	ND	0.50	104	103	1.0				70 - 130	30
Dichlorodifluoromethane	ND	0.50	117	110	6.2				70 - 130	30
Ethylbenzene	ND	0.50	97	93	4.2				70 - 130	30
Hexachlorobutadiene	ND	0.40	98	93	5.2				70 - 130	30
Isopropylbenzene	ND	0.50	100	97	3.0				70 - 130	30
m&p-Xylene	ND	0.50	98	94	4.2				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	0.50	81	90	10.5				70 - 130	30
Methylene chloride	ND	0.50	100	97	3.0				70 - 130	30
Naphthalene	ND	0.50	94	92	2.2				70 - 130	30
n-Butylbenzene	ND	0.50	101	96	5.1				70 - 130	30
n-Propylbenzene	ND	0.50	98	97	1.0				70 - 130	30
o-Xylene	ND	0.50	95	91	4.3				70 - 130	30
p-Isopropyltoluene	ND	0.50	101	96	5.1				70 - 130	30
sec-Butylbenzene	ND	0.50	101	97	4.0				70 - 130	30
Styrene	ND	0.50	102	99	3.0				70 - 130	30
tert-Butylbenzene	ND	0.50	101	97	4.0				70 - 130	30
Tetrachloroethene	ND	0.50	102	97	5.0				70 - 130	30
Toluene	ND	0.50	94	91	3.2				70 - 130	30
trans-1,2-Dichloroethene	ND	0.50	106	100	5.8				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	97	96	1.0				70 - 130	30
Trichloroethene	ND	0.50	103	100	3.0				70 - 130	30
Trichlorofluoromethane	ND	0.50	115	108	6.3				70 - 130	30
Trichlorotrifluoroethane	ND	0.50	103	96	7.0				70 - 130	30
Vinyl chloride	ND	0.50	110	104	5.6				70 - 130	30
% 1,2-dichlorobenzene-d4	98	%	103	101	2.0				70 - 130	30
% Bromofluorobenzene	99	%	100	102	2.0				70 - 130	30

# QA/QC Data

SDG I.D.: GCT48047

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								

Comment:

This batch consists of a blank, LCS and LCSD.

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.

r = This parameter is outside laboratory RPD specified recovery limits.

s = This parameter is outside laboratory Blank Surrogate specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

- RPD - Relative Percent Difference
- LCS - Laboratory Control Sample
- LCSD - Laboratory Control Sample Duplicate
- MS - Matrix Spike
- MS Dup - Matrix Spike Duplicate
- NC - No Criteria
- Intf - Interference
- (ISO) - Isotope Dilution



Phyllis Shiller, Laboratory Director  
June 27, 2025

Friday, June 27, 2025

Criteria: EPA: DW PWS; NY: DW

State: NY

## Sample Criteria Exceedances Report

**GCT48047 - HES-NY**

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CT48047	\$PFAS-DW18	Perfluorooctanoic Acid (PFOA)	EPA / 40 CFR 141 DW / PFAS	12.9	1.96	4	4	ng/L
CT48047	\$PFAS-DW18	Perfluorooctanesulfonic Acid (PFOS)	EPA / 40 CFR 141 DW / PFAS	15.1	1.96	4	4	ng/L
CT48047	\$PFAS-DW18	Perfluorooctanesulfonic Acid (PFOS)	NY / Department of Health / PFAS	15.1	1.96	10	10	ng/L
CT48047	\$PFAS-DW18	Perfluorooctanoic Acid (PFOA)	NY / Department of Health / PFAS	12.9	1.96	10	10	ng/L
CT48051	\$524WMR	Trichloroethene	EPA / 40 CFR 141 DW / 141.61 Organic MCLs	15	0.50	5	5	ug/L
CT48051	\$524WMR	Tetrachloroethene	EPA / 40 CFR 141 DW / 141.61 Organic MCLs	47	2.5	5	5	ug/L
CT48051	\$524WMR	cis-1,2-Dichloroethene	NY / NY Residential DW / Organics	16	2.5	5	5	ug/L
CT48051	\$524WMR	Tetrachloroethene	NY / NY Residential DW / Organics	47	2.5	5	5	ug/L
CT48051	\$524WMR	Trichloroethene	NY / NY Residential DW / Organics	15	0.50	5	5	ug/L
CT48051	\$PFAS-DW18	Perfluorooctanoic Acid (PFOA)	EPA / 40 CFR 141 DW / PFAS	13.8	1.96	4	4	ng/L
CT48051	\$PFAS-DW18	Perfluorooctanesulfonic Acid (PFOS)	EPA / 40 CFR 141 DW / PFAS	17.0	1.96	4	4	ng/L
CT48051	\$PFAS-DW18	Perfluorooctanesulfonic Acid (PFOS)	NY / Department of Health / PFAS	17.0	1.96	10	10	ng/L
CT48051	\$PFAS-DW18	Perfluorooctanoic Acid (PFOA)	NY / Department of Health / PFAS	13.8	1.96	10	10	ng/L
CT48056	\$PFAS-DW18	Perfluorooctanesulfonic Acid (PFOS)	EPA / 40 CFR 141 DW / PFAS	7.04	1.85	4	4	ng/L
CT48056	\$PFAS-DW18	Perfluorooctanoic Acid (PFOA)	EPA / 40 CFR 141 DW / PFAS	5.00	1.85	4	4	ng/L
CT48058	\$PFAS-WM163	Perfluorooctanoic acid (PFOA)	EPA / 40 CFR 141 DW / PFAS	4.30	1.85	4	4	ng/L
CT48060	\$PFAS-WM163	Perfluorooctanoic acid (PFOA)	EPA / 40 CFR 141 DW / PFAS	4.94	1.88	4	4	ng/L

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Comments

June 27, 2025

SDG I.D.: GCT48047

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The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

### **VOA Narration**

**CHEM02 06/11/25-1:** CT48057, CT48058, CT48059, CT48060, CT48061, CT48062

The following Initial Calibration compounds did not meet RSD% criteria: Bromoform 23% (20%), Methyl ethyl ketone 22% (20%), Naphthalene 21% (20%), Styrene 24% (20%), trans-1,4-dichloro-2-butene 29% (20%)

The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

The following Continuing Calibration compounds did not meet % deviation criteria: 1,1-Dichloroethane 22%H (20%), 1,3,5-Trimethylbenzene 21%H (20%), Bromomethane 23%H (20%)

The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.



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# NY Temperature Narration

June 27, 2025

SDG I.D.: GCT48047

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The samples in this delivery group were received at 2.6°C.  
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)





**NY/NJ/PA CHAIN OF CUSTODY RECORD**

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
 Email: Makrina Nolan, makrina@phoenixlabs.com Fax (860) 645-0823  
 Client Services (860) 645-1102

Coolant: Yes  No   
 IPK  ICE   
 Temp 20.0 C Pg of

Contact Options:  
 Phone:  
 Fax:  
 Email:

Customer: Hydro Environmental Solutions Inc  
 Address: 25 CANTO STREET, CANTON FALLS, NY

Project: 406 ROUTE 57, CALMEL, NY  
 Report to: REIDUS@HESNY.COM  
 Invoice to: REIDUS@HESNY.COM  
 QUOTE # : \_\_\_\_\_

Project P.O.:

**This section MUST be completed with Bottle Quantities.**

Sampler's Signature	Client Sample - Information - Identification	Date	Time Sampled	Analysis Request
	MW-3D	6/5/25	1100	X
	MW-6	6/5/25	1100	X
	MW-7	6/5/25	1230	X
	MW-8D	6/5/25	1300	X
	GW FIELD BLANK	6/5/25	1300	X

Relinquished by: \_\_\_\_\_ Accepted by: [Signature] Date: 6-10-25 1000

Comments, Special Requirements or Regulations: M Dixon 8270 calgon; MW-3B MW-7 MW-8B GW FIELDS BLANK

Data Format:  Phoenix Std Report  EQUIS  NJ Hazsite EDD  
 Excel  NY EZ EDD (ASP)  Other

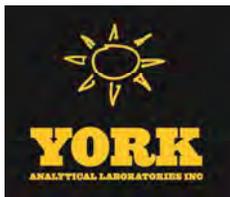
Turnaround:  1 Day  2 Days  3 Days  4 Days  5 Days  Standard  
 \* SURCHARGE APPLIES

Res. Criteria  Res. Criteria  Non-Res. Criteria  Impact to GW Soil Cleanup Criteria  Impact to GW soil screen Criteria  GW Criteria

NY TOGS GW  CP-51 SOIL  375SSCO  Unrestricted Soil  375SSCO  Residential Soil  375SSCO  Restricted Soil  375SSCO  Commercial Soil  375SSCO  Industrial Soil  Subpart 5 DW

PA Clean Fill Limits  PA-GW  Reg Fill Limits  PA Soil Restricted  PA Soil non-restricted

State Samples Collected? NY



# Technical Report

prepared for:

**Phoenix Environmental Laboratories, Inc.**  
P.O. Box 370, 587 East Middle Turnpike  
Manchester CT, 06040  
**Attention: Helen Geoghegan**

Report Date: 06/23/2025  
**Client Project ID: GCT48047**  
York Project (SDG) No.: 25F0850

Stratford, CT Laboratory IDs:  
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723



Richmond Hill, NY Laboratory IDs:  
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,  
EPA: NY01600

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371

132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 06/23/2025  
Client Project ID: GCT48047  
York Project (SDG) No.: 25F0850

**Phoenix Environmental Laboratories, Inc.**  
P.O. Box 370, 587 East Middle Turnpike  
Manchester CT, 06040  
Attention: Helen Geoghegan

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 12, 2025 and listed below. The project was identified as your project: **GCT48047**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
25F0850-01	CT48058	Water	06/05/2025	06/12/2025
25F0850-02	CT48060	Water	06/05/2025	06/12/2025
25F0850-03	CT48061	Water	06/05/2025	06/12/2025
25F0850-04	CT48062	Water	06/05/2025	06/12/2025

## **General Notes for York Project (SDG) No.: 25F0850**

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

**Approved By:** 

Cassie L. Mosher  
Laboratory Manager

**Date:** 06/23/2025





## Sample Information

**Client Sample ID:** CT48058

**York Sample ID:** 25F0850-01

York Project (SDG) No.  
25F0850

Client Project ID  
GCT48047

Matrix  
Water

Collection Date/Time  
June 5, 2025 11:00 am

Date Received  
06/12/2025

**Q P PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	4.11		ng/L	0.434	1.63	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	4.18		ng/L	0.323	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.23	J	ng/L	0.656	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	4.15		ng/L	0.628	1.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
335-67-1	Perfluorooctanoic acid (PFOA)	4.30		ng/L	0.388	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.78		ng/L	0.757	1.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.480	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.693	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.04	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.813	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.684	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.637	1.85	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.730	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.951	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	3.16	J	ng/L	0.212	3.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.813	1.85	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.841	1.76	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.22	1.78	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	6.93	7.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.89	7.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	2.72	J	ng/L	0.305	7.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.462	3.29	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/21/2025 11:00	06/22/2025 20:37	AM



### Sample Information

**Client Sample ID:** CT48058

**York Sample ID:** 25F0850-01

York Project (SDG) No.  
25F0850

Client Project ID  
GCT48047

Matrix  
Water

Collection Date/Time  
June 5, 2025 11:00 am

Date Received  
06/12/2025

**Q P PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	1.98	3.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/21/2025 11:00	06/22/2025 20:37	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.231	3.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/21/2025 11:00	06/22/2025 20:37	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.342	3.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/21/2025 11:00	06/22/2025 20:37	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.702	1.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.65	6.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	2.98	7.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.27	6.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.647	6.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
919005-14-4	ADONA	ND		ng/L	0.490	6.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.859	1.79	1	EPA 1633 Draft 3 Certifications:	06/21/2025 11:00	06/22/2025 20:37	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.794	1.77	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:37	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPPrPA)	ND		ng/L	1.88	4.62	1	EPA 1633 Draft 3 Certifications:	06/21/2025 11:00	06/22/2025 20:37	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.77	23.1	1	EPA 1633 Draft 3 Certifications:	06/21/2025 11:00	06/22/2025 20:37	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.75	23.1	1	EPA 1633 Draft 3 Certifications:	06/21/2025 11:00	06/22/2025 20:37	AM
24448-09-7	* N-McFOSE	ND		ng/L	3.69	18.5	1	EPA 1633 Draft 3 Certifications:	06/21/2025 11:00	06/22/2025 20:37	AM
31506-32-8	* N-McFOSA	ND		ng/L	1.46	1.85	1	EPA 1633 Draft 3 Certifications:	06/21/2025 11:00	06/22/2025 20:37	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.69	18.5	1	EPA 1633 Draft 3 Certifications:	06/21/2025 11:00	06/22/2025 20:37	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.66	1.85	1	EPA 1633 Draft 3 Certifications:	06/21/2025 11:00	06/22/2025 20:37	AM

	Surrogate Recoveries	Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	113 %	25-150
338-30-1	Surrogate: M5PFHxA	112 %	25-150
13C4PFHPA	Surrogate: M4PFHpA	127 %	25-150
13C3PFHXS	Surrogate: M3PFHxS	111 %	25-150
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	102 %	25-150
13C6PFDA	Surrogate: M6PFDA	99.5 %	25-150
13C7PFUNA	Surrogate: M7PFUDA	97.9 %	25-150



### Sample Information

**Client Sample ID:** CT48058

**York Sample ID:** 25F0850-01

<u>York Project (SDG) No.</u> 25F0850	<u>Client Project ID</u> GCT48047	<u>Matrix</u> Water	<u>Collection Date/Time</u> June 5, 2025 11:00 am	<u>Date Received</u> 06/12/2025
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**Q P PFAS, EPA 1633 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	80.9 %			25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	63.9 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	77.2 %			25-150						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	94.0 %			25-150						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	115 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	78.9 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	72.3 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	94.9 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	104 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	91.3 %			25-200						
13C9PFNA	Surrogate: M9PFNA	91.9 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	104 %			25-150						
936109-37-4	Surrogate: d-N-MeFOSA	52.9 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	58.0 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	120 %			25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	57.6 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	59.3 %			25-150						

### Sample Information

**Client Sample ID:** CT48060

**York Sample ID:** 25F0850-02

<u>York Project (SDG) No.</u> 25F0850	<u>Client Project ID</u> GCT48047	<u>Matrix</u> Water	<u>Collection Date/Time</u> June 5, 2025 12:30 pm	<u>Date Received</u> 06/12/2025
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**Q P PFAS, EPA 1633 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	3.98		ng/L	0.441	1.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	4.36		ng/L	0.328	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.11	J	ng/L	0.666	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	4.25		ng/L	0.638	1.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM

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FAX (203) 357-0166

RICHMOND HILL, NY 11418  
ClientServices@



### Sample Information

**Client Sample ID:** CT48060

**York Sample ID:** 25F0850-02

York Project (SDG) No.  
25F0850

Client Project ID  
GCT48047

Matrix  
Water

Collection Date/Time  
June 5, 2025 12:30 pm

Date Received  
06/12/2025

**Q P PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-67-1	Perfluorooctanoic acid (PFOA)	4.94		ng/L	0.394	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.47	J	ng/L	0.769	1.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.488	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.703	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.06	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.825	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.694	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.647	1.88	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.741	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.966	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	3.43	J	ng/L	0.216	3.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.825	1.88	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.853	1.79	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.24	1.81	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	7.03	7.13	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	7.20	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.310	7.50	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.469	3.34	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/21/2025 11:00	06/22/2025 20:50	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.01	3.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/21/2025 11:00	06/22/2025 20:50	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.234	3.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/21/2025 11:00	06/22/2025 20:50	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.347	3.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/21/2025 11:00	06/22/2025 20:50	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.713	1.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.68	7.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM



## Sample Information

**Client Sample ID:** CT48060

**York Sample ID:** 25F0850-02

York Project (SDG) No.  
25F0850

Client Project ID  
GCT48047

Matrix  
Water

Collection Date/Time  
June 5, 2025 12:30 pm

Date Received  
06/12/2025

**Q P PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.03	7.50	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.29	7.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.657	7.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM
919005-14-4	ADONA	ND		ng/L	0.497	7.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.872	1.82	1	EPA 1633 Draft 3 Certifications:	06/21/2025 11:00	06/22/2025 20:50	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.807	1.80	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/21/2025 11:00	06/22/2025 20:50	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.90	4.69	1	EPA 1633 Draft 3 Certifications:	06/21/2025 11:00	06/22/2025 20:50	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.87	23.4	1	EPA 1633 Draft 3 Certifications:	06/21/2025 11:00	06/22/2025 20:50	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.88	23.4	1	EPA 1633 Draft 3 Certifications:	06/21/2025 11:00	06/22/2025 20:50	AM
24448-09-7	* N-McFOSE	ND		ng/L	3.74	18.8	1	EPA 1633 Draft 3 Certifications:	06/21/2025 11:00	06/22/2025 20:50	AM
31506-32-8	* N-McFOSA	ND		ng/L	1.48	1.88	1	EPA 1633 Draft 3 Certifications:	06/21/2025 11:00	06/22/2025 20:50	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.74	18.8	1	EPA 1633 Draft 3 Certifications:	06/21/2025 11:00	06/22/2025 20:50	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.69	1.88	1	EPA 1633 Draft 3 Certifications:	06/21/2025 11:00	06/22/2025 20:50	AM

	Surrogate Recoveries	Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	99.1 %	25-150
338-30-1	Surrogate: M5PFHxA	114 %	25-150
13C4PFHPA	Surrogate: M4PFHPa	129 %	25-150
13C3PFHXS	Surrogate: M3PFHxS	94.0 %	25-150
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	105 %	25-150
13C6PFDA	Surrogate: M6PFDA	104 %	25-150
13C7PFUNA	Surrogate: M7PFUdA	91.9 %	25-150
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	76.8 %	25-150
13C2PFTEDA	Surrogate: M2PFTeDA	64.8 %	10-150
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	44.0 %	25-150
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	98.3 %	25-150
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	112 %	25-150



### Sample Information

**Client Sample ID:** CT48060

**York Sample ID:** 25F0850-02

<u>York Project (SDG) No.</u> 25F0850	<u>Client Project ID</u> GCT48047	<u>Matrix</u> Water	<u>Collection Date/Time</u> June 5, 2025 12:30 pm	<u>Date Received</u> 06/12/2025
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**Q P PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	75.4 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	76.7 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	78.6 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	98.2 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	84.1 %			25-200						
13C9PFNA	Surrogate: M9PFNA	94.8 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	89.9 %			25-150						
936109-37-4	Surrogate: d-N-MeFOFA	54.7 %			25-150						
936109-40-9	Surrogate: d-N-EtFOFA	61.8 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	119 %			25-150						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	51.4 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	54.8 %			25-150						

### Sample Information

**Client Sample ID:** CT48061

**York Sample ID:** 25F0850-03

<u>York Project (SDG) No.</u> 25F0850	<u>Client Project ID</u> GCT48047	<u>Matrix</u> Water	<u>Collection Date/Time</u> June 5, 2025 1:30 pm	<u>Date Received</u> 06/12/2025
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**Q P PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.13	J	ng/L	0.432	1.63	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	2.16		ng/L	0.322	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.16	J	ng/L	0.653	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.845	J	ng/L	0.625	1.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM
335-67-1	Perfluorooctanoic acid (PFOA)	2.31		ng/L	0.386	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.754	1.71	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.478	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.690	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM



### Sample Information

**Client Sample ID:** CT48061

**York Sample ID:** 25F0850-03

York Project (SDG) No.  
25F0850

Client Project ID  
GCT48047

Matrix  
Water

Collection Date/Time  
June 5, 2025 1:30 pm

Date Received  
06/12/2025

**Q P PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.04	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.809	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.681	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.635	1.84	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.727	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.947	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>2.39</b>	J	ng/L	0.212	3.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.809	1.84	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.837	1.76	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.21	1.77	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	6.90	6.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.89	7.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.303	7.36	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.460	3.27	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/18/2025 11:04	06/18/2025 23:56	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	1.97	3.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/18/2025 11:04	06/18/2025 23:56	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.230	3.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/18/2025 11:04	06/18/2025 23:56	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.340	3.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/18/2025 11:04	06/18/2025 23:56	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.699	1.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.65	6.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	2.97	7.36	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.27	6.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.644	6.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM
919005-14-4	ADONA	ND		ng/L	0.487	6.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM



## Sample Information

**Client Sample ID:** CT48061

**York Sample ID:** 25F0850-03

York Project (SDG) No.  
25F0850

Client Project ID  
GCT48047

Matrix  
Water

Collection Date/Time  
June 5, 2025 1:30 pm

Date Received  
06/12/2025

**Q P PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.855	1.78	1	EPA 1633 Draft 3 Certifications:	06/18/2025 11:04	06/18/2025 23:56	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.791	1.77	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/18/2025 11:04	06/18/2025 23:56	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPpPA)	ND		ng/L	1.87	4.60	1	EPA 1633 Draft 3 Certifications:	06/18/2025 11:04	06/18/2025 23:56	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.74	23.0	1	EPA 1633 Draft 3 Certifications:	06/18/2025 11:04	06/18/2025 23:56	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.71	23.0	1	EPA 1633 Draft 3 Certifications:	06/18/2025 11:04	06/18/2025 23:56	AM
24448-09-7	* N-McFOSE	ND		ng/L	3.67	18.4	1	EPA 1633 Draft 3 Certifications:	06/18/2025 11:04	06/18/2025 23:56	AM
31506-32-8	* N-McFOSA	ND		ng/L	1.45	1.84	1	EPA 1633 Draft 3 Certifications:	06/18/2025 11:04	06/18/2025 23:56	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.67	18.4	1	EPA 1633 Draft 3 Certifications:	06/18/2025 11:04	06/18/2025 23:56	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.66	1.84	1	EPA 1633 Draft 3 Certifications:	06/18/2025 11:04	06/18/2025 23:56	AM
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
M3PFBS	Surrogate: M3PFBS	121 %			25-150						
338-30-1	Surrogate: M5PFHxA	121 %			25-150						
13C4PFHPA	Surrogate: M4PFHpA	126 %			25-150						
13C3PFHXS	Surrogate: M3PFHxS	129 %			25-150						
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	122 %			25-150						
13C6PFDA	Surrogate: M6PFDA	113 %			25-150						
13C7PFUNA	Surrogate: M7PFUdA	113 %			25-150						
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	94.9 %			25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	76.9 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	1.69 %	PFSu-L		25-150						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	121 %			25-150						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	52.7 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	99.6 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	93.3 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	103 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	127 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	121 %			25-200						
13C9PFNA	Surrogate: M9PFNA	114 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	113 %			25-150						



### Sample Information

**Client Sample ID:** CT48061

**York Sample ID:** 25F0850-03

<u>York Project (SDG) No.</u> 25F0850	<u>Client Project ID</u> GCT48047	<u>Matrix</u> Water	<u>Collection Date/Time</u> June 5, 2025 1:30 pm	<u>Date Received</u> 06/12/2025
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**Q P PFAS, EPA 1633 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
936109-37-4	Surrogate: d-N-MeFOSA	109 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	100 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	141 %			25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	68.1 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	77.1 %			25-150						

### Sample Information

**Client Sample ID:** CT48062

**York Sample ID:** 25F0850-04

<u>York Project (SDG) No.</u> 25F0850	<u>Client Project ID</u> GCT48047	<u>Matrix</u> Water	<u>Collection Date/Time</u> June 5, 2025 1:00 pm	<u>Date Received</u> 06/12/2025
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**Q P PFAS, EPA 1633 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.450	1.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.335	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.679	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.651	1.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.402	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.785	1.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.498	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.718	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.08	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.842	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.708	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.660	1.91	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.756	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM



### Sample Information

**Client Sample ID:** CT48062

**York Sample ID:** 25F0850-04

York Project (SDG) No.  
25F0850

Client Project ID  
GCT48047

Matrix  
Water

Collection Date/Time  
June 5, 2025 1:00 pm

Date Received  
06/12/2025

**Q P PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	N-EtFOSAA	ND		ng/L	0.985	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.220	3.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.842	1.91	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.871	1.83	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.26	1.85	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	7.18	7.27	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.96	7.35	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.316	7.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.478	3.41	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/18/2025 11:04	06/19/2025 00:08	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.05	3.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/18/2025 11:04	06/19/2025 00:08	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.239	3.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/18/2025 11:04	06/19/2025 00:08	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.354	3.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/18/2025 11:04	06/19/2025 00:08	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.727	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.71	7.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.09	7.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.32	7.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.670	7.16	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
919005-14-4	ADONA	ND		ng/L	0.507	7.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.890	1.86	1	EPA 1633 Draft 3 Certifications:	06/18/2025 11:04	06/19/2025 00:08	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.823	1.84	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/18/2025 11:04	06/19/2025 00:08	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.94	4.78	1	EPA 1633 Draft 3 Certifications:	06/18/2025 11:04	06/19/2025 00:08	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.01	23.9	1	EPA 1633 Draft 3 Certifications:	06/18/2025 11:04	06/19/2025 00:08	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.06	23.9	1	EPA 1633 Draft 3 Certifications:	06/18/2025 11:04	06/19/2025 00:08	AM



### Sample Information

**Client Sample ID:** CT48062

**York Sample ID:** 25F0850-04

<u>York Project (SDG) No.</u> 25F0850	<u>Client Project ID</u> GCT48047	<u>Matrix</u> Water	<u>Collection Date/Time</u> June 5, 2025 1:00 pm	<u>Date Received</u> 06/12/2025
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**Q P PFAS, EPA 1633 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
24448-09-7	* N-McFOSE	ND		ng/L	3.82	19.1	1	EPA 1633 Draft 3 Certifications:	06/18/2025 11:04	06/19/2025 00:08	AM
31506-32-8	* N-McFOSA	ND		ng/L	1.51	1.91	1	EPA 1633 Draft 3 Certifications:	06/18/2025 11:04	06/19/2025 00:08	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.82	19.1	1	EPA 1633 Draft 3 Certifications:	06/18/2025 11:04	06/19/2025 00:08	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.72	1.91	1	EPA 1633 Draft 3 Certifications:	06/18/2025 11:04	06/19/2025 00:08	AM
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
M3PFBS	Surrogate: M3PFBS	133 %			25-150						
338-30-1	Surrogate: M5PFHxA	135 %			25-150						
13C4PFHPA	Surrogate: M4PFHpA	139 %			25-150						
13C3PFHXS	Surrogate: M3PFHxS	140 %			25-150						
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	135 %			25-150						
13C6PFDA	Surrogate: M6PFDA	141 %			25-150						
13C7PFUNA	Surrogate: M7PFUdA	144 %			25-150						
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	122 %			25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	89.2 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	2.55 %	PFSu-L		25-150						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	142 %			25-150						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	60.2 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	114 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	121 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	121 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	153 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	147 %			25-200						
13C9PFNA	Surrogate: M9PFNA	133 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	144 %			25-150						
936109-37-4	Surrogate: d-N-MeFOSA	115 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	121 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	157 %	PFSu-H		25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	75.6 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	84.9 %			25-150						



## Analytical Batch Summary

**Batch ID:** BF51293                      **Preparation Method:** EPA 1633 Prep                      **Prepared By:** JLH

YORK Sample ID	Client Sample ID	Preparation Date
25F0850-01	CT48058	06/18/25
25F0850-02	CT48060	06/18/25
25F0850-03	CT48061	06/18/25
25F0850-04	CT48062	06/18/25
BF51293-BLK1	Blank	06/18/25
BF51293-BS1	LCS	06/18/25
BF51293-BS2	LCS	06/18/25

**Batch ID:** BF51509                      **Preparation Method:** EPA 1633 Prep                      **Prepared By:** JBG

YORK Sample ID	Client Sample ID	Preparation Date
25F0850-01RE1	CT48058	06/21/25
25F0850-02RE1	CT48060	06/21/25
BF51509-BLK1	Blank	06/21/25
BF51509-BS1	LCS	06/21/25
BF51509-BS2	LCS	06/21/25



**PFAS Target compounds by LC/MS-MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BF51293 - EPA 1633 Prep**

**Blank (BF51293-BLK1)**

Prepared & Analyzed: 06/18/2025

Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	1.64	1.86	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	4.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	48.6	7.60	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	2.71	7.68	"								
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.56	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	4.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	"								
HFPO-DA (Gen-X)	ND	8.00	"								
11CL-PF3OUdS	ND	7.56	"								
9CL-PF3ONS	ND	7.48	"								
ADONA	ND	7.56	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	5.00	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	25.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	25.0	"								
N-MeFOSE	ND	20.0	"								
N-MeFOSA	ND	2.00	"								
N-EtFOSE	ND	20.0	"								
N-EtFOSA	ND	2.00	"								
<i>Surrogate: M3PFBS</i>	27.2		"	23.3		117	25-150				
<i>Surrogate: M5PFHxA</i>	30.6		"	25.0		122	25-150				
<i>Surrogate: M4PFHpA</i>	31.8		"	25.0		127	25-150				
<i>Surrogate: M3PFHxS</i>	30.8		"	23.7		130	25-150				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFDA)</i>	31.1		"	25.0		125	25-150				
<i>Surrogate: M6PFDA</i>	15.3		"	12.5		123	25-150				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BF51293 - EPA 1633 Prep**

**Blank (BF51293-BLK1)**

Prepared & Analyzed: 06/18/2025

Surrogate: M7PFUdA	15.1		ng/L	12.5		121	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	13.6		"	12.5		109	25-150				
Surrogate: M2PFTeDA	10.4		"	12.5		83.3	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	1.78		"	100		1.78	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	30.4		"	24.0		127	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	22.4		"	50.0		44.7	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	27.4		"	25.0		110	10-150				
Surrogate: d3-N-MeFOSAA	50.6		"	50.0		101	25-150				
Surrogate: d5-N-EtFOSAA	50.6		"	50.0		101	25-150				
Surrogate: M2-6:2 FTS	67.6		"	47.6		142	25-200				
Surrogate: M2-8:2 FTS	51.1		"	48.0		106	25-200				
Surrogate: M9PFNA	14.1		"	12.5		113	25-150				
Surrogate: M2-4:2 FTS	64.4		"	46.9		137	25-150				
Surrogate: d-N-MeFOSAA	24.8		"	25.0		99.1	25-150				
Surrogate: d-N-EtFOSA	22.6		"	25.0		90.3	25-150				
Surrogate: M3HFPO-DA	136		"	100		136	25-150				
Surrogate: d9-N-EtFOSE	172		"	250		68.8	25-150				
Surrogate: d7-N-MeFOSE	187		"	250		74.9	25-150				

**LCS (BF51293-BS1)**

Prepared & Analyzed: 06/18/2025

Perfluorobutanesulfonic acid (PFBS)	42.6	1.77	ng/L	35.4		120	50-150				
Perfluorohexanoic acid (PFHxA)	44.5	2.00	"	40.0		111	50-150				
Perfluoroheptanoic acid (PFHpA)	43.7	2.00	"	40.0		109	50-150				
Perfluorohexanesulfonic acid (PFHxS)	42.3	1.83	"	36.6		115	50-150				
Perfluorooctanoic acid (PFOA)	41.0	2.00	"	40.0		103	50-150				
Perfluorooctanesulfonic acid (PFOS)	41.9	1.86	"	37.2		113	50-150				
Perfluorononanoic acid (PFNA)	44.7	2.00	"	40.0		112	50-150				
Perfluorodecanoic acid (PFDA)	41.6	2.00	"	40.0		104	50-150				
Perfluoroundecanoic acid (PFUnA)	42.7	2.00	"	40.0		107	50-150				
Perfluorododecanoic acid (PFDoA)	41.8	2.00	"	40.0		105	50-150				
Perfluorotridecanoic acid (PFTrDA)	52.7	2.00	"	40.0		132	50-150				
Perfluorotetradecanoic acid (PFTA)	46.0	2.00	"	40.0		115	50-150				
N-MeFOSAA	43.7	2.00	"	40.0		109	50-150				
N-EtFOSAA	44.2	2.00	"	40.0		110	50-150				
Perfluoropentanoic acid (PFPeA)	88.5	4.00	"	80.0		111	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	43.3	2.00	"	40.0		108	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	41.4	1.91	"	38.2		108	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	41.0	1.93	"	38.6		106	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	179	7.60	"	152		118	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	176	7.68	"	154		115	50-150				
Perfluoro-n-butyric acid (PFBA)	145	8.00	"	160		90.6	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	84.5	3.56	"	71.2		119	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	79.5	4.00	"	80.0		99.4	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	17.6	4.00	"	80.0		22.0	50-150			Low Bias	
Perfluoro-5-oxahexanoic acid (PFMBA)	136	4.00	"	80.0		170	50-150			High Bias	



**PFAS Target compounds by LC/MS-MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BF51293 - EPA 1633 Prep**

**LCS (BF51293-BS1)**

Prepared & Analyzed: 06/18/2025

Perfluoro-1-pentanesulfonate (PFPeS)	43.3	1.88	ng/L	37.6		115	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	166	7.50	"	150		111	50-150				
HFPO-DA (Gen-X)	89.3	8.00	"	80.0		112	50-150				
11CL-PF3OUdS	79.4	7.56	"	75.6		105	50-150				
9CL-PF3ONS	74.0	7.48	"	74.8		99.0	50-150				
ADONA	79.8	7.56	"	75.6		105	50-150				
Perfluorododecanesulfonic acid (PFDoS)	30.7	1.94	"	38.8		79.1	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	47.4	1.92	"	38.4		123	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	107	5.00	"	160		67.1	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	936	25.0	"	800		117	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	1030	25.0	"	800		129	50-150				
N-MeFOSE	436	20.0	"	400		109	50-150				
N-MeFOSA	39.6	2.00	"	40.0		98.9	50-150				
N-EtFOSE	458	20.0	"	400		114	50-150				
N-EtFOSA	40.7	2.00	"	40.0		102	50-150				
<i>Surrogate: M3PFBS</i>	27.0		"	23.3		116	25-150				
<i>Surrogate: M5PFHxA</i>	31.5		"	25.0		126	25-150				
<i>Surrogate: M4PFHpA</i>	33.2		"	25.0		133	25-150				
<i>Surrogate: M3PFHxS</i>	30.8		"	23.7		130	25-150				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	31.9		"	25.0		127	25-150				
<i>Surrogate: M6PFDA</i>	15.4		"	12.5		123	25-150				
<i>Surrogate: M7PFUdA</i>	16.6		"	12.5		133	25-150				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	13.7		"	12.5		110	25-150				
<i>Surrogate: M2PFTeDA</i>	10.8		"	12.5		86.8	10-150				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	3.44		"	100		3.44	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	29.8		"	24.0		125	25-150				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	29.2		"	50.0		58.4	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	27.3		"	25.0		109	10-150				
<i>Surrogate: d3-N-MeFOSAA</i>	60.9		"	50.0		122	25-150				
<i>Surrogate: d5-N-EtFOSAA</i>	59.7		"	50.0		119	25-150				
<i>Surrogate: M2-6:2 FTS</i>	58.2		"	47.6		122	25-200				
<i>Surrogate: M2-8:2 FTS</i>	54.4		"	48.0		113	25-200				
<i>Surrogate: M9PFNA</i>	14.5		"	12.5		116	25-150				
<i>Surrogate: M2-4:2 FTS</i>	53.1		"	46.9		113	25-150				
<i>Surrogate: d-N-MeFOSA</i>	24.6		"	25.0		98.4	25-150				
<i>Surrogate: d-N-EtFOSA</i>	23.4		"	25.0		93.4	25-150				
<i>Surrogate: M3HFPO-DA</i>	145		"	100		145	25-150				
<i>Surrogate: d9-N-EtFOSE</i>	187		"	250		74.9	25-150				
<i>Surrogate: d7-N-MeFOSE</i>	208		"	250		83.1	25-150				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BF51293 - EPA 1633 Prep**

**LCS (BF51293-BS2)**

Prepared & Analyzed: 06/18/2025

Perfluorobutanesulfonic acid (PFBS)	3.71	1.77	ng/L	3.54		105	50-150				
Perfluorohexanoic acid (PFHxA)	4.64	2.00	"	4.00		116	50-150				
Perfluoroheptanoic acid (PFHpA)	3.78	2.00	"	4.00		94.5	50-150				
Perfluorohexanesulfonic acid (PFHxS)	3.92	1.83	"	3.66		107	50-150				
Perfluorooctanoic acid (PFOA)	3.75	2.00	"	4.00		93.7	50-150				
Perfluorooctanesulfonic acid (PFOS)	3.76	1.86	"	3.72		101	50-150				
Perfluorononanoic acid (PFNA)	3.19	2.00	"	4.00		79.7	50-150				
Perfluorodecanoic acid (PFDA)	3.67	2.00	"	4.00		91.7	50-150				
Perfluoroundecanoic acid (PFUnA)	4.07	2.00	"	4.00		102	50-150				
Perfluorododecanoic acid (PFDoA)	3.69	2.00	"	4.00		92.3	50-150				
Perfluorotridecanoic acid (PFTrDA)	4.22	2.00	"	4.00		106	50-150				
Perfluorotetradecanoic acid (PFTA)	3.93	2.00	"	4.00		98.3	50-150				
N-MeFOSAA	4.09	2.00	"	4.00		102	50-150				
N-EtFOSAA	4.10	2.00	"	4.00		102	50-150				
Perfluoropentanoic acid (PFPeA)	8.81	4.00	"	8.00		110	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	3.80	2.00	"	4.00		94.9	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.79	1.91	"	3.82		99.2	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	3.79	1.93	"	3.86		98.2	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	22.7	7.60	"	15.2		150	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	15.7	7.68	"	15.4		102	50-150				
Perfluoro-n-butanoic acid (PFBA)	16.4	8.00	"	16.0		102	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	7.37	3.56	"	7.12		104	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	5.52	4.00	"	8.00		69.0	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	1.07	4.00	"	8.00		13.3	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	13.9	4.00	"	8.00		174	50-150	High Bias			
Perfluoro-1-pentanesulfonate (PFPeS)	3.67	1.88	"	3.76		97.5	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	14.8	7.50	"	15.0		99.0	50-150				
HFPO-DA (Gen-X)	7.18	8.00	"	8.00		89.8	50-150				
11CL-PF3OUdS	6.97	7.56	"	7.56		92.3	50-150				
9CL-PF3ONS	7.21	7.48	"	7.48		96.3	50-150				
ADONA	6.83	7.56	"	7.56		90.4	50-150				
Perfluorododecanesulfonic acid (PFDoS)	2.70	1.94	"	3.88		69.7	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	3.76	1.92	"	3.84		97.9	50-150				
3-Perfluoropropyl propanoic acid (FPPrPA)	11.1	5.00	"	16.0		69.4	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	86.4	25.0	"	80.0		108	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	88.8	25.0	"	80.0		111	50-150				
N-MeFOSE	36.4	20.0	"	40.0		90.9	50-150				
N-MeFOSA	3.13	2.00	"	4.00		78.2	50-150				
N-EtFOSE	36.2	20.0	"	40.0		90.6	50-150				
N-EtFOSA	4.21	2.00	"	4.00		105	50-150				
<i>Surrogate: M3PFBS</i>	<i>25.8</i>		<i>"</i>	<i>23.3</i>		<i>111</i>	<i>25-150</i>				
<i>Surrogate: M5PFHxA</i>	<i>30.8</i>		<i>"</i>	<i>25.0</i>		<i>123</i>	<i>25-150</i>				
<i>Surrogate: M4PFHpA</i>	<i>29.8</i>		<i>"</i>	<i>25.0</i>		<i>119</i>	<i>25-150</i>				
<i>Surrogate: M3PFHxS</i>	<i>29.2</i>		<i>"</i>	<i>23.7</i>		<i>123</i>	<i>25-150</i>				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	<i>29.1</i>		<i>"</i>	<i>25.0</i>		<i>117</i>	<i>25-150</i>				
<i>Surrogate: M6PFDA</i>	<i>17.0</i>		<i>"</i>	<i>12.5</i>		<i>136</i>	<i>25-150</i>				
<i>Surrogate: M7PFUdA</i>	<i>15.5</i>		<i>"</i>	<i>12.5</i>		<i>124</i>	<i>25-150</i>				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
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**Batch BF51293 - EPA 1633 Prep**

**LCS (BF51293-BS2)**

Prepared & Analyzed: 06/18/2025

Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	14.0		ng/L	12.5		112	25-150				
Surrogate: M2PFTeDA	11.2		"	12.5		89.7	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	1.76		"	100		1.76	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	30.3		"	24.0		127	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	23.9		"	50.0		47.9	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	26.3		"	25.0		105	10-150				
Surrogate: d3-N-MeFOSAA	52.0		"	50.0		104	25-150				
Surrogate: d5-N-EtFOSAA	55.2		"	50.0		110	25-150				
Surrogate: M2-6:2 FTS	62.6		"	47.6		132	25-200				
Surrogate: M2-8:2 FTS	58.2		"	48.0		121	25-200				
Surrogate: M9PFNA	14.7		"	12.5		117	25-150				
Surrogate: M2-4:2 FTS	58.3		"	46.9		124	25-150				
Surrogate: d-N-MeFOSA	23.6		"	25.0		94.5	25-150				
Surrogate: d-N-EtFOSA	23.2		"	25.0		92.8	25-150				
Surrogate: M3HFPO-DA	138		"	100		138	25-150				
Surrogate: d9-N-EtFOSE	184		"	250		73.5	25-150				
Surrogate: d7-N-MeFOSE	194		"	250		77.7	25-150				

**Batch BF51509 - EPA 1633 Prep**

**Blank (BF51509-BLK1)**

Prepared: 06/21/2025 Analyzed: 06/22/2025

Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	4.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.60	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	"								
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.56	"								
Perfluoro-3,6-dioxahheptanoic acid (NFDHA)	ND	4.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	"								



**PFAS Target compounds by LC/MS-MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BF51509 - EPA 1633 Prep**

**Blank (BF51509-BLK1)**

Prepared: 06/21/2025 Analyzed: 06/22/2025

Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	ng/L								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	"								
HFPO-DA (Gen-X)	ND	8.00	"								
11CL-PF3OUdS	ND	7.56	"								
9CL-PF3ONS	ND	7.48	"								
ADONA	ND	7.56	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	5.00	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	25.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	25.0	"								
N-MeFOSE	ND	20.0	"								
N-MeFOSA	ND	2.00	"								
N-EtFOSE	ND	20.0	"								
N-EtFOSA	ND	2.00	"								
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Surrogate: M3PFBS	25.9		"	23.3		111	25-150				
Surrogate: M5PFHxA	27.1		"	25.0		109	25-150				
Surrogate: M4PFHpA	30.6		"	25.0		122	25-150				
Surrogate: M3PFHxS	26.6		"	23.7		112	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PF OA)	28.0		"	25.0		112	25-150				
Surrogate: M6PFDA	14.7		"	12.5		117	25-150				
Surrogate: M7PFUdA	15.0		"	12.5		120	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	13.0		"	12.5		104	25-150				
Surrogate: M2PFTeDA	11.2		"	12.5		89.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	5.91		"	100		5.91	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	25.7		"	24.0		107	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	27.9		"	50.0		55.9	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	23.5		"	25.0		94.1	10-150				
Surrogate: d3-N-MeFOSAA	46.5		"	50.0		93.0	25-150				
Surrogate: d5-N-EtFOSAA	51.6		"	50.0		103	25-150				
Surrogate: M2-6:2 FTS	60.8		"	47.6		128	25-200				
Surrogate: M2-8:2 FTS	47.9		"	48.0		99.8	25-200				
Surrogate: M9PFNA	13.3		"	12.5		107	25-150				
Surrogate: M2-4:2 FTS	61.7		"	46.9		131	25-150				
Surrogate: d-N-MeFOSA	21.8		"	25.0		87.3	25-150				
Surrogate: d-N-EtFOSA	22.6		"	25.0		90.4	25-150				
Surrogate: M3HFPO-DA	119		"	100		119	25-150				
Surrogate: d9-N-EtFOSE	166		"	250		66.4	25-150				
Surrogate: d7-N-MeFOSE	179		"	250		71.5	25-150				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BF51509 - EPA 1633 Prep**

**LCS (BF51509-BS1)**

Prepared: 06/21/2025 Analyzed: 06/22/2025

Perfluorobutanesulfonic acid (PFBS)	39.3	1.77	ng/L	35.4		111	50-150				
Perfluorohexanoic acid (PFHxA)	44.0	2.00	"	40.0		110	50-150				
Perfluoroheptanoic acid (PFHpA)	38.0	2.00	"	40.0		95.1	50-150				
Perfluorohexanesulfonic acid (PFHxS)	42.1	1.83	"	36.6		115	50-150				
Perfluorooctanoic acid (PFOA)	42.8	2.00	"	40.0		107	50-150				
Perfluorooctanesulfonic acid (PFOS)	40.2	1.86	"	37.2		108	50-150				
Perfluorononanoic acid (PFNA)	42.3	2.00	"	40.0		106	50-150				
Perfluorodecanoic acid (PFDA)	42.3	2.00	"	40.0		106	50-150				
Perfluoroundecanoic acid (PFUnA)	43.3	2.00	"	40.0		108	50-150				
Perfluorododecanoic acid (PFDoA)	43.4	2.00	"	40.0		109	50-150				
Perfluorotridecanoic acid (PFTrDA)	47.8	2.00	"	40.0		120	50-150				
Perfluorotetradecanoic acid (PFTA)	43.9	2.00	"	40.0		110	50-150				
N-MeFOSAA	38.0	2.00	"	40.0		95.1	50-150				
N-EtFOSAA	45.4	2.00	"	40.0		114	50-150				
Perfluoropentanoic acid (PFPeA)	86.0	4.00	"	80.0		107	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	42.1	2.00	"	40.0		105	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	41.3	1.91	"	38.2		108	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	35.0	1.93	"	38.6		90.8	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	173	7.60	"	152		114	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	178	7.68	"	154		116	50-150				
Perfluoro-n-butanoic acid (PFBA)	174	8.00	"	160		109	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	79.1	3.56	"	71.2		111	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	96.5	4.00	"	80.0		121	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	30.5	4.00	"	80.0		38.2	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	106	4.00	"	80.0		133	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	42.6	1.88	"	37.6		113	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	179	7.50	"	150		119	50-150				
HFPO-DA (Gen-X)	86.6	8.00	"	80.0		108	50-150				
11CL-PF3OUdS	68.6	7.56	"	75.6		90.8	50-150				
9CL-PF3ONS	73.1	7.48	"	74.8		97.7	50-150				
ADONA	83.6	7.56	"	75.6		111	50-150				
Perfluorododecanesulfonic acid (PFDoS)	31.7	1.94	"	38.8		81.7	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	39.1	1.92	"	38.4		102	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	110	5.00	"	160		68.9	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	847	25.0	"	800		106	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	860	25.0	"	800		107	50-150				
N-MeFOSE	425	20.0	"	400		106	50-150				
N-MeFOSA	38.7	2.00	"	40.0		96.7	50-150				
N-EtFOSE	428	20.0	"	400		107	50-150				
N-EtFOSA	38.0	2.00	"	40.0		95.0	50-150				
<i>Surrogate: M3PFBS</i>	28.6		"	23.3		123	25-150				
<i>Surrogate: M5PFHxA</i>	29.7		"	25.0		119	25-150				
<i>Surrogate: M4PFHpA</i>	33.6		"	25.0		134	25-150				
<i>Surrogate: M3PFHxS</i>	27.0		"	23.7		114	25-150				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	28.0		"	25.0		112	25-150				
<i>Surrogate: M6PFDA</i>	13.0		"	12.5		104	25-150				
<i>Surrogate: M7PFUdA</i>	13.8		"	12.5		110	25-150				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BF51509 - EPA 1633 Prep**

**LCS (BF51509-BS1)**

Prepared: 06/21/2025 Analyzed: 06/22/2025

Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	12.1		ng/L	12.5		96.7	25-150				
Surrogate: M2PFTeDA	10.1		"	12.5		80.9	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.4		"	100		11.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	26.9		"	24.0		112	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	42.8		"	50.0		85.7	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	24.1		"	25.0		96.5	10-150				
Surrogate: d3-N-MeFOSAA	49.2		"	50.0		98.4	25-150				
Surrogate: d5-N-EtFOSAA	49.7		"	50.0		99.5	25-150				
Surrogate: M2-6:2 FTS	52.1		"	47.6		110	25-200				
Surrogate: M2-8:2 FTS	45.9		"	48.0		95.7	25-200				
Surrogate: M9PFNA	13.6		"	12.5		108	25-150				
Surrogate: M2-4:2 FTS	50.5		"	46.9		108	25-150				
Surrogate: d-N-MeFOSAA	21.4		"	25.0		85.4	25-150				
Surrogate: d-N-EtFOSA	21.7		"	25.0		86.7	25-150				
Surrogate: M3HFPO-DA	129		"	100		129	25-150				
Surrogate: d9-N-EtFOSE	167		"	250		66.7	25-150				
Surrogate: d7-N-MeFOSE	175		"	250		69.9	25-150				

**LCS (BF51509-BS2)**

Prepared: 06/21/2025 Analyzed: 06/22/2025

Perfluorobutanesulfonic acid (PFBS)	3.94	1.77	ng/L	3.54		111	50-150				
Perfluorohexanoic acid (PFHxA)	3.92	2.00	"	4.00		98.0	50-150				
Perfluoroheptanoic acid (PFHpA)	3.41	2.00	"	4.00		85.2	50-150				
Perfluorohexanesulfonic acid (PFHxS)	4.16	1.83	"	3.66		114	50-150				
Perfluorooctanoic acid (PFOA)	3.82	2.00	"	4.00		95.6	50-150				
Perfluorooctanesulfonic acid (PFOS)	3.15	1.86	"	3.72		84.7	50-150				
Perfluorononanoic acid (PFNA)	3.62	2.00	"	4.00		90.5	50-150				
Perfluorodecanoic acid (PFDA)	3.96	2.00	"	4.00		98.9	50-150				
Perfluoroundecanoic acid (PFUnA)	3.68	2.00	"	4.00		91.9	50-150				
Perfluorododecanoic acid (PFDoA)	3.87	2.00	"	4.00		96.8	50-150				
Perfluorotridecanoic acid (PFTrDA)	3.51	2.00	"	4.00		87.8	50-150				
Perfluorotetradecanoic acid (PFTA)	3.61	2.00	"	4.00		90.2	50-150				
N-MeFOSAA	4.85	2.00	"	4.00		121	50-150				
N-EtFOSAA	3.27	2.00	"	4.00		81.7	50-150				
Perfluoropentanoic acid (PFPeA)	8.49	4.00	"	8.00		106	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	3.77	2.00	"	4.00		94.3	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.63	1.91	"	3.82		95.0	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	2.70	1.93	"	3.86		69.9	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	14.0	7.60	"	15.2		92.2	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	15.6	7.68	"	15.4		102	50-150				
Perfluoro-n-butanoic acid (PFBA)	15.6	8.00	"	16.0		97.7	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	7.23	3.56	"	7.12		101	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	8.67	4.00	"	8.00		108	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	2.29	4.00	"	8.00		28.6	50-150			Low Bias	
Perfluoro-5-oxahexanoic acid (PFMBA)	11.0	4.00	"	8.00		138	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	4.25	1.88	"	3.76		113	50-150				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BF51509 - EPA 1633 Prep**

**LCS (BF51509-BS2)**

Prepared: 06/21/2025 Analyzed: 06/22/2025

1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	14.1	7.50	ng/L	15.0		94.3	50-150				
HFPO-DA (Gen-X)	8.55	8.00	"	8.00		107	50-150				
11CL-PF3OUdS	6.81	7.56	"	7.56		90.1	50-150				
9CL-PF3ONS	7.24	7.48	"	7.48		96.8	50-150				
ADONA	6.31	7.56	"	7.56		83.4	50-150				
Perfluorododecanesulfonic acid (PFDoS)	2.69	1.94	"	3.88		69.2	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	3.37	1.92	"	3.84		87.8	50-150				
3-Perfluoropropyl propanoic acid (FPtPA)	10.6	5.00	"	16.0		66.4	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	83.8	25.0	"	80.0		105	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	85.1	25.0	"	80.0		106	50-150				
N-MeFOSE	34.7	20.0	"	40.0		86.9	50-150				
N-MeFOSA	3.48	2.00	"	4.00		86.9	50-150				
N-EtFOSE	37.0	20.0	"	40.0		92.5	50-150				
N-EtFOSA	4.02	2.00	"	4.00		100	50-150				
<i>Surrogate: M3PFBS</i>	23.8		"	23.3		102	25-150				
<i>Surrogate: M5PFHxA</i>	29.3		"	25.0		117	25-150				
<i>Surrogate: M4PFHpA</i>	34.3		"	25.0		137	25-150				
<i>Surrogate: M3PFHxS</i>	23.1		"	23.7		97.3	25-150				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	27.1		"	25.0		108	25-150				
<i>Surrogate: M6PFDA</i>	13.7		"	12.5		109	25-150				
<i>Surrogate: M7PFUdA</i>	14.2		"	12.5		114	25-150				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	11.7		"	12.5		93.2	25-150				
<i>Surrogate: M2PFTeDA</i>	10.3		"	12.5		82.7	10-150				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	8.08		"	100		8.08	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	26.6		"	24.0		111	25-150				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	34.4		"	50.0		68.9	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	23.4		"	25.0		93.7	10-150				
<i>Surrogate: d3-N-MeFOSAA</i>	43.2		"	50.0		86.4	25-150				
<i>Surrogate: d5-N-EtFOSAA</i>	47.9		"	50.0		95.9	25-150				
<i>Surrogate: M2-6:2 FTS</i>	52.6		"	47.6		111	25-200				
<i>Surrogate: M2-8:2 FTS</i>	46.3		"	48.0		96.5	25-200				
<i>Surrogate: M9PFNA</i>	13.5		"	12.5		108	25-150				
<i>Surrogate: M2-4:2 FTS</i>	50.8		"	46.9		108	25-150				
<i>Surrogate: d-N-MeFOSA</i>	22.2		"	25.0		88.7	25-150				
<i>Surrogate: d-N-EtFOSA</i>	19.2		"	25.0		76.6	25-150				
<i>Surrogate: M3HFPO-DA</i>	127		"	100		127	25-150				
<i>Surrogate: d9-N-EtFOSE</i>	157		"	250		62.7	25-150				
<i>Surrogate: d7-N-MeFOSE</i>	162		"	250		64.7	25-150				





### Sample and Data Qualifiers Relating to This Work Order

- PFSu-L The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
- PFSu-H The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
- J Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
- B Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

### Definitions and Other Explanations

- \* Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
- ND NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
- RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
- LOQ LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
- LOD LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
- MDL METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
- Reported to This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
- NR Not reported
- RPD Relative Percent Difference
- Wet The data has been reported on an as-received (wet weight) basis
- Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir. Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.



Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

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Cooler: Yes  No   
 IPK  ICE   
 Temp 1, Q °C Pg of

25 FO 850

Contact Options:  
 Fax: 860-645-0823  
 Phone: 800-827-5423  
 Email: HelenG@PhoenixLabs.com

Project P.O.: GCT48047

This section **MUST** be completed with Bottle Quantities.

### CHAIN OF CUSTODY RECORD

Page 1 of 1

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
 Email: info@phoenixlabs.com Fax (860) 645-0823  
 Client Services (860) 645-8726

Project #: GCT48047  
 Report to: HelenG@PhoenixLabs.com / Helen Geoghegan  
 Invoice to: AccountsPayable@PhoenixLabs.com  
 Quote# :



Customer: York Analytical Laboratories, Inc.  
 Address: 132-02 89th Avenue  
 Richmond Hill, NY

Sampler's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 Matrix Code:  
 DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water  
 RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe  
 OIL=Oil B=Bulk L=Liquid

Phoenix Sample ID	Sample Comment	Sample Matrix	Date Sampled	Time Sampled	Analysis Request
CT48047		DW	6/5/2025	9:00 AM	x
CT48051		DW	6/5/2025	9:25 AM	x
CT48055	FB	WTR	6/5/2025	9:00 AM	x
CT48056		DW	6/5/2025	9:35 AM	x
CT48058		GW	6/5/2025	11:00 AM	x
CT48060		GW	6/5/2025	12:30 PM	x
CT48061	FB	GW	6/5/2025	1:30 PM	x
CT48062	FB	WTR	6/5/2025	1:00 PM	x

250ml HDPE Plastic w/ Tazma  
 500ml HDPE Plastic w/ Tazma

Requisitioned by: <i>[Signature]</i>	Accepted by: <i>[Signature]</i>	Date: 6-12-25	Time: 0705
Comments, Special Requirements or Regulations: 6-12-25 155 8-12-20 1830 by PJ 6/12/25 1800 3.0			
Turnaround: <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> 5 Days <input type="checkbox"/> 10 Days <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Other _____		Report Type: <input checked="" type="checkbox"/> Standard PDF <input type="checkbox"/> Full Data Package <input type="checkbox"/> NJ Reduced Deliverable <input type="checkbox"/> NJ Full Deliverable <input type="checkbox"/> NY ASP B	
State Criteria: NY: Residential DW		What State were samples collected? NY	



# Technical Report

for

# Emerging Contaminants

prepared for:

**Phoenix Environmental Laboratories, Inc.**  
P.O. Box 370, 587 East Middle Turnpike  
Manchester CT, 06040  
**Attention: Helen Geoghegan**

Report Date: 06/26/2025  
**Client Project ID: GCT48047**  
York Project (SDG) No.: 25F0835

Stratford, CT Laboratory IDs:  
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723



Richmond Hill, NY Laboratory IDs:  
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,  
EPA: NY01600

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371

132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 06/26/2025  
Client Project ID: GCT48047  
York Project (SDG) No.: 25F0835

**Phoenix Environmental Laboratories, Inc.**

P.O. Box 370, 587 East Middle Turnpike  
Manchester CT, 06040  
Attention: Helen Geoghegan

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**Purpose and Results**

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 12, 2025 and listed below. The project was identified as your project: **GCT48047**.

The analyses were conducted utilizing appropriate EPA methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

Please contact Client Services at 203.325.1371 with any questions regarding this report or e-mail [clientservices@yorklab.com](mailto:clientservices@yorklab.com).

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
25F0835-01	CT48047	Drinking Water	06/05/2025	06/12/2025
25F0835-02	CT48051	Drinking Water	06/05/2025	06/12/2025
25F0835-03	CT48055	Drinking Water	06/05/2025	06/12/2025
25F0835-04	CT48056	Drinking Water	06/05/2025	06/12/2025

**General Notes for York Project (SDG) No.: 25F0835**

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

**Approved By:**   
Cassie L. Mosher  
Laboratory Manager

**Date:** 06/26/2025





### Sample Information

**Client Sample ID:** CT48047 **York Sample ID:** 25F0835-01

**York Project (SDG) No.:** 25F0835 **Client Project ID:** GCT48047 **Matrix:** Drinking Water **Collection Date/Time:** June 5, 2025 9:00 am **Date Received:** 06/12/2025

#### Q P PFAS, EPA 537.1 Hazard Index

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DV8

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	LOQ	Reference Method	Date/Time Prep/Ana	Analyst
	<b>* Hazard Index</b>	<b>0.265</b>		1	Unitless (HI) Certifications:		EPA 537.1	06/13/2025 10:24 06/17/2025 18:20	JTG

#### PFAS, EPA 537.1 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DV8

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Ana	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	15.6		-	ng/L	1.96	EPA 537.1 Certifications: NELAC-NY12058,CTDPH-PH-0837	06/13/2025 10:24 06/17/2025 18:20	JTG
307-24-4	Perfluorohexanoic acid (PFHxA)	10.5		-	ng/L	1.96	EPA 537.1 Certifications: NELAC-NY12058,CTDPH-PH-0837	06/13/2025 10:24 06/17/2025 18:20	JTG
375-85-9	Perfluoroheptanoic acid (PFHpA)	4.36		-	ng/L	1.96	EPA 537.1 Certifications: NELAC-NY12058,CTDPH-PH-0837	06/13/2025 10:24 06/17/2025 18:20	JTG
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.31		10	ng/L	1.96	EPA 537.1 Certifications: NELAC-NY12058,CTDPH-PH-0837	06/13/2025 10:24 06/17/2025 18:20	JTG
335-67-1	Perfluorooctanoic acid (PFOA)	12.9		4	ng/L	1.96	EPA 537.1 Certifications: NELAC-NY12058,CTDPH-PH-0837	06/13/2025 10:24 06/17/2025 18:20	JTG
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	15.1		4	ng/L	1.96	EPA 537.1 Certifications: NELAC-NY12058,CTDPH-PH-0837	06/13/2025 10:24 06/17/2025 18:20	JTG
375-95-1	Perfluorononanoic acid (PFNA)	ND		10	ng/L	1.96	EPA 537.1 Certifications: NELAC-NY12058,CTDPH-PI	06/13/2025 10:24 06/17/2025 18:20	JTG
335-76-2	Perfluorodecanoic acid (PFDA)	ND		-	ng/L	1.96	EPA 537.1 Certifications: NELAC-NY12058,CTDPH-PI	06/13/2025 10:24 06/17/2025 18:20	JTG
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		-	ng/L	1.96	EPA 537.1 Certifications: NELAC-NY12058,CTDPH-PI	06/13/2025 10:24 06/17/2025 18:20	JTG
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		-	ng/L	1.96	EPA 537.1 Certifications: NELAC-NY12058,CTDPH-PI	06/13/2025 10:24 06/17/2025 18:20	JTG
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		-	ng/L	1.96	EPA 537.1 Certifications: NELAC-NY12058,CTDPH-PI	06/13/2025 10:24 06/17/2025 18:20	JTG
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		-	ng/L	1.96	EPA 537.1 Certifications: NELAC-NY12058,CTDPH-PI	06/13/2025 10:24 06/17/2025 18:20	JTG
2355-31-9	N-MeFOSAA	ND		-	ng/L	1.96	EPA 537.1 Certifications: NELAC-NY12058,CTDPH-PI	06/13/2025 10:24 06/17/2025 18:20	JTG
2991-50-6	N-EtFOSAA	ND		-	ng/L	1.96	EPA 537.1 Certifications: NELAC-NY12058,CTDPH-PI	06/13/2025 10:24 06/17/2025 18:20	JTG
756426-58-1	9CL-PF3ONS	ND		-	ng/L	1.96	EPA 537.1 Certifications: NELAC-NY12058,CTDPH-PI	06/13/2025 10:24 06/17/2025 18:20	JTG
763051-92-9	11CL-PF3OUdS	ND		-	ng/L	1.96	EPA 537.1 Certifications: NELAC-NY12058,CTDPH-PI	06/13/2025 10:24 06/17/2025 18:20	JTG
13252-13-6	HFPO-DA (Gen-X)	ND		10	ng/L	1.96	EPA 537.1 Certifications: NELAC-NY12058,CTDPH-PI	06/13/2025 10:24 06/17/2025 18:20	JTG



### Sample Information

**Client Sample ID:** CT48047

**York Sample ID:** 25F0835-01

<u>York Project (SDG) No.</u> 25F0835	<u>Client Project ID</u> GCT48047	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> June 5, 2025 9:00 am	<u>Date Received</u> 06/12/2025
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**PFAS, EPA 537.1 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Ana	Analyst
				MCL						
919005-14-4	ADONA	ND		-		ng/L	1.96	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 18:20	
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	123 %		70-130						
MPFDA	Surrogate: MPFDA	98.1 %		70-130						
307-24-4	Surrogate: MPFHxA	91.5 %		70-130						
M3HFPO-DA	Surrogate: M3HFPO-DA	96.2 %		70-130						

### Sample Information

**Client Sample ID:** CT48051

**York Sample ID:** 25F0835-02

<u>York Project (SDG) No.</u> 25F0835	<u>Client Project ID</u> GCT48047	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> June 5, 2025 9:25 am	<u>Date Received</u> 06/12/2025
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**Q P PFAS, EPA 537.1 Hazard Index**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	LOQ	Reference Method	Date/Time Prep/Ana	Analyst
				MCL						
	<b>* Hazard Index</b>	<b>0.381</b>		1		Unitless		EPA 537.1	06/13/2025 10:24	JTG
						(HI) Certifications:			06/17/2025 15:57	

**PFAS, EPA 537.1 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Ana	Analyst
				MCL						
375-73-5	<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>41.5</b>		-		ng/L	1.96	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PH-0837		06/17/2025 15:57	
307-24-4	<b>Perfluorohexanoic acid (PFHxA)</b>	<b>23.8</b>		-		ng/L	1.96	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PH-0837		06/17/2025 15:57	
375-85-9	<b>Perfluoroheptanoic acid (PFHpA)</b>	<b>5.18</b>		-		ng/L	1.96	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PH-0837		06/17/2025 15:57	
355-46-4	<b>Perfluorohexanesulfonic acid (PFHxS)</b>	<b>3.24</b>		10		ng/L	1.96	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PH-0837		06/17/2025 15:57	
335-67-1	<b>Perfluorooctanoic acid (PFOA)</b>	<b>13.8</b>		4		ng/L	1.96	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PH-0837		06/17/2025 15:57	
1763-23-1	<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>17.0</b>		4		ng/L	1.96	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PH-0837		06/17/2025 15:57	
375-95-1	<b>Perfluorononanoic acid (PFNA)</b>	ND		10		ng/L	1.96	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 15:57	



### Sample Information

**Client Sample ID:** CT48051

**York Sample ID:** 25F0835-02

<u>York Project (SDG) No.</u> 25F0835	<u>Client Project ID</u> GCT48047	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> June 5, 2025 9:25 am	<u>Date Received</u> 06/12/2025
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**PFAS, EPA 537.1 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Ana	Analyst
				MCL						
335-76-2	Perfluorodecanoic acid (PFDA)	ND		-		ng/L	1.96	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 15:57	
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		-		ng/L	1.96	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 15:57	
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		-		ng/L	1.96	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 15:57	
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		-		ng/L	1.96	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 15:57	
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		-		ng/L	1.96	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 15:57	
2355-31-9	N-MeFOSAA	ND		-		ng/L	1.96	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 15:57	
2991-50-6	N-EtFOSAA	ND		-		ng/L	1.96	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 15:57	
756426-58-1	9CL-PF3ONS	ND		-		ng/L	1.96	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 15:57	
763051-92-9	11CL-PF3OUds	ND		-		ng/L	1.96	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 15:57	
13252-13-6	HFPO-DA (Gen-X)	ND		10		ng/L	1.96	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 15:57	
919005-14-4	ADONA	ND		-		ng/L	1.96	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 15:57	
	<b>Surrogate Recoveries</b>	<b>Result</b>	<b>Acceptance Range</b>							
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	101 %	70-130							
MPFDA	Surrogate: MPFDA	95.6 %	70-130							
307-24-4	Surrogate: MPFHxA	95.3 %	70-130							
M3HFPO-DA	Surrogate: M3HFPO-DA	96.9 %	70-130							

### Sample Information

**Client Sample ID:** CT48055

**York Sample ID:** 25F0835-03

<u>York Project (SDG) No.</u> 25F0835	<u>Client Project ID</u> GCT48047	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> June 5, 2025 9:00 am	<u>Date Received</u> 06/12/2025
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**Q P PFAS, EPA 537.1 Hazard Index**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	LOQ	Reference Method	Date/Time Prep/Ana	Analyst
				MCL						
	* Hazard Index	0.00		1		Unitless		EPA 537.1	06/13/2025 10:24	JTG
						Certifications:			06/17/2025 16:10	



### Sample Information

**Client Sample ID:** CT48055

**York Sample ID:** 25F0835-03

<u>York Project (SDG) No.</u> 25F0835	<u>Client Project ID</u> GCT48047	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> June 5, 2025 9:00 am	<u>Date Received</u> 06/12/2025
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**PFAS, EPA 537.1 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 537.1 SPE DV8

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Ana	Analyst
				MCL						
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		-		ng/L	1.95	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 16:10	
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		-		ng/L	1.95	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 16:10	
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		-		ng/L	1.95	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 16:10	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		10		ng/L	1.95	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 16:10	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		4		ng/L	1.95	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 16:10	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		4		ng/L	1.95	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 16:10	
375-95-1	Perfluorononanoic acid (PFNA)	ND		10		ng/L	1.95	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 16:10	
335-76-2	Perfluorodecanoic acid (PFDA)	ND		-		ng/L	1.95	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 16:10	
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		-		ng/L	1.95	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 16:10	
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		-		ng/L	1.95	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 16:10	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		-		ng/L	1.95	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 16:10	
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		-		ng/L	1.95	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 16:10	
2355-31-9	N-MeFOSAA	ND		-		ng/L	1.95	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 16:10	
2991-50-6	N-EtFOSAA	ND		-		ng/L	1.95	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 16:10	
756426-58-1	9CL-PF3ONS	ND		-		ng/L	1.95	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 16:10	
763051-92-9	11CL-PF3OUds	ND		-		ng/L	1.95	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 16:10	
13252-13-6	HFPO-DA (Gen-X)	ND		10		ng/L	1.95	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 16:10	
919005-14-4	ADONA	ND		-		ng/L	1.95	EPA 537.1	06/13/2025 10:24	JTG
						Certifications:	NELAC-NY12058,CTDPH-PI		06/17/2025 16:10	

	Surrogate Recoveries	Result	Acceptance Range
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	118 %	70-130
MPFDA	Surrogate: MPFDA	86.9 %	70-130
307-24-4	Surrogate: MPFHxA	94.3 %	70-130
M3HFPO-DA	Surrogate: M3HFPO-DA	90.2 %	70-130



### Sample Information

**Client Sample ID:** CT48056

**York Sample ID:** 25F0835-04

<u>York Project (SDG) No.</u> 25F0835	<u>Client Project ID</u> GCT48047	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> June 5, 2025 9:35 am	<u>Date Received</u> 06/12/2025
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**Q P PFAS, EPA 537.1 Hazard Index**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	LOQ	Reference Method	Date/Time Prep/Ana	Analyst
				MCL						
	* Hazard Index	0.454		1		Unitless (H) Certifications:	EPA 537.1		06/17/2025 15:02 06/26/2025 06:17	KFH

**PFAS, EPA 537.1 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Ana	Analyst
				MCL						
375-73-5	Perfluorobutanesulfonic acid (PFBS)	3.51		-		ng/L Certifications:	1.85 NELAC-NY12058,CTDPH-PH-0837	EPA 537.1	06/17/2025 15:02 06/26/2025 06:17	KFH
307-24-4	Perfluorohexanoic acid (PFHxA)	2.77		-		ng/L Certifications:	1.85 NELAC-NY12058,CTDPH-PH-0837	EPA 537.1	06/17/2025 15:02 06/26/2025 06:17	KFH
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		-		ng/L Certifications:	1.85 NELAC-NY12058,CTDPH-PI	EPA 537.1	06/17/2025 15:02 06/26/2025 06:17	KFH
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	4.07		10		ng/L Certifications:	1.85 NELAC-NY12058,CTDPH-PH-0837	EPA 537.1	06/17/2025 15:02 06/26/2025 06:17	KFH
335-67-1	Perfluorooctanoic acid (PFOA)	5.00		4		ng/L Certifications:	1.85 NELAC-NY12058,CTDPH-PH-0837	EPA 537.1	06/17/2025 15:02 06/26/2025 06:17	KFH
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	7.04		4		ng/L Certifications:	1.85 NELAC-NY12058,CTDPH-PH-0837	EPA 537.1	06/17/2025 15:02 06/26/2025 06:17	KFH
375-95-1	Perfluorononanoic acid (PFNA)	ND		10		ng/L Certifications:	1.85 NELAC-NY12058,CTDPH-PI	EPA 537.1	06/17/2025 15:02 06/26/2025 06:17	KFH
335-76-2	Perfluorodecanoic acid (PFDA)	ND		-		ng/L Certifications:	1.85 NELAC-NY12058,CTDPH-PI	EPA 537.1	06/17/2025 15:02 06/26/2025 06:17	KFH
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		-		ng/L Certifications:	1.85 NELAC-NY12058,CTDPH-PI	EPA 537.1	06/17/2025 15:02 06/26/2025 06:17	KFH
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		-		ng/L Certifications:	1.85 NELAC-NY12058,CTDPH-PI	EPA 537.1	06/17/2025 15:02 06/26/2025 06:17	KFH
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		-		ng/L Certifications:	1.85 NELAC-NY12058,CTDPH-PI	EPA 537.1	06/17/2025 15:02 06/26/2025 06:17	KFH
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		-		ng/L Certifications:	1.85 NELAC-NY12058,CTDPH-PI	EPA 537.1	06/17/2025 15:02 06/26/2025 06:17	KFH
2355-31-9	N-MeFOSAA	ND		-		ng/L Certifications:	1.85 NELAC-NY12058,CTDPH-PI	EPA 537.1	06/17/2025 15:02 06/26/2025 06:17	KFH
2991-50-6	N-EtFOSAA	ND		-		ng/L Certifications:	1.85 NELAC-NY12058,CTDPH-PI	EPA 537.1	06/17/2025 15:02 06/26/2025 06:17	KFH
756426-58-1	9CL-PF3ONS	ND		-		ng/L Certifications:	1.85 NELAC-NY12058,CTDPH-PI	EPA 537.1	06/17/2025 15:02 06/26/2025 06:17	KFH
763051-92-9	11CL-PF3OUdS	ND		-		ng/L Certifications:	1.85 NELAC-NY12058,CTDPH-PI	EPA 537.1	06/17/2025 15:02 06/26/2025 06:17	KFH
13252-13-6	HFPO-DA (Gen-X)	ND		10		ng/L Certifications:	1.85 NELAC-NY12058,CTDPH-PI	EPA 537.1	06/17/2025 15:02 06/26/2025 06:17	KFH
919005-14-4	ADONA	ND		-		ng/L Certifications:	1.85 NELAC-NY12058,CTDPH-PI	EPA 537.1	06/17/2025 15:02 06/26/2025 06:17	KFH



**Sample Information**

**Client Sample ID:** CT48056

**York Sample ID:** 25F0835-04

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
25F0835	GCT48047	Drinking Water	June 5, 2025 9:35 am	06/12/2025

**PFAS, EPA 537.1 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Ana	Analyst
				MCL	Acceptance Range					
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	118 %		70-130						
MPFDA	Surrogate: MPFDA	108 %		70-130						
307-24-4	Surrogate: MPFHxA	84.6 %		70-130						
M3HFPO-DA	Surrogate: M3HFPO-DA	94.7 %		70-130						



## Analytical Batch Summary

**Batch ID:** BF50951      **Preparation Method** EPA 537.1 SPE DVB      **Prepared By:** NCW

YORK Sample ID	Client Sample ID	Preparation Date
25F0835-01	CT48047	06/13/25
25F0835-02	CT48051	06/13/25
25F0835-03	CT48055	06/13/25
25F0835-04	CT48056	06/13/25
BF50951-BLK1	Blank	06/13/25
BF50951-BS1	LCS	06/13/25

**Batch ID:** BF51216      **Preparation Method** EPA 537.1 SPE DVB      **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
25F0835-04RE1	CT48056	06/17/25
BF51216-BLK1	Blank	06/17/25
BF51216-BS1	LCS	06/17/25
BF51216-MRL1	MRL Check	06/17/25



**PFAS Target compounds by LC/MS-MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting		Spike	Source*	%REC	%REC	Flag	RPD	
		Limit	Units						Level	Result

**Batch BF50951 - EPA 537.1 SPE DVB**

**Blank (BF50951-BLK1)**

Prepared: 06/13/2025 Analyzed: 06/17/2025

Perfluorobutanesulfonic acid (PFBS)	ND	1.99	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.99	"							
Perfluoroheptanoic acid (PFHpA)	ND	1.99	"							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.99	"							
Perfluorooctanoic acid (PFOA)	ND	1.99	"							
Perfluorooctanesulfonic acid (PFOS)	ND	1.99	"							
Perfluorononanoic acid (PFNA)	ND	1.99	"							
Perfluorodecanoic acid (PFDA)	ND	1.99	"							
Perfluoroundecanoic acid (PFUnA)	ND	1.99	"							
Perfluorododecanoic acid (PFDoA)	ND	1.99	"							
Perfluorotridecanoic acid (PFTrDA)	ND	1.99	"							
Perfluorotetradecanoic acid (PFTA)	ND	1.99	"							
N-MeFOSAA	ND	1.99	"							
N-EtFOSAA	ND	1.99	"							
9CL-PF3ONS	ND	1.99	"							
11CL-PF3OUdS	ND	1.99	"							
HFPO-DA (Gen-X)	ND	1.99	"							
ADONA	ND	1.99	"							
<i>Surrogate: d5-N-EtFOSAA</i>	<i>215</i>		<i>"</i>	<i>159</i>		<i>135</i>	<i>70-130</i>			
<i>Surrogate: MPFDA</i>	<i>45.1</i>		<i>"</i>	<i>39.8</i>		<i>113</i>	<i>70-130</i>			
<i>Surrogate: MPFHxA</i>	<i>47.3</i>		<i>"</i>	<i>39.8</i>		<i>119</i>	<i>70-130</i>			
<i>Surrogate: M3HFPO-DA</i>	<i>41.1</i>		<i>"</i>	<i>39.8</i>		<i>103</i>	<i>70-130</i>			

**LCS (BF50951-BS1)**

Prepared: 06/13/2025 Analyzed: 06/17/2025

Perfluorobutanesulfonic acid (PFBS)	29.3	1.99	ng/L	35.3		83.2	70-130			
Perfluorohexanoic acid (PFHxA)	39.3	1.99	"	39.8		98.6	70-130			
Perfluoroheptanoic acid (PFHpA)	39.2	1.99	"	39.8		98.5	70-130			
Perfluorohexanesulfonic acid (PFHxS)	37.9	1.99	"	37.8		100	70-130			
Perfluorooctanoic acid (PFOA)	39.7	1.99	"	39.8		99.8	70-130			
Perfluorooctanesulfonic acid (PFOS)	35.7	1.99	"	38.2		93.5	70-130			
Perfluorononanoic acid (PFNA)	39.3	1.99	"	39.8		98.6	70-130			
Perfluorodecanoic acid (PFDA)	39.4	1.99	"	39.8		98.9	70-130			
Perfluoroundecanoic acid (PFUnA)	37.7	1.99	"	39.8		94.6	70-130			
Perfluorododecanoic acid (PFDoA)	36.2	1.99	"	39.8		90.9	70-130			
Perfluorotridecanoic acid (PFTrDA)	33.2	1.99	"	39.8		83.3	70-130			
Perfluorotetradecanoic acid (PFTA)	38.0	1.99	"	39.8		95.4	70-130			
N-MeFOSAA	36.8	1.99	"	39.8		92.4	70-130			
N-EtFOSAA	48.5	1.99	"	39.8		122	70-130			
9CL-PF3ONS	34.4	1.99	"	37.3		92.3	70-130			
11CL-PF3OUdS	30.4	1.99	"	37.6		80.9	70-130			
HFPO-DA (Gen-X)	34.1	1.99	"	39.8		85.5	70-130			
ADONA	36.9	1.99	"	37.6		98.0	70-130			
<i>Surrogate: d5-N-EtFOSAA</i>	<i>190</i>		<i>"</i>	<i>159</i>		<i>119</i>	<i>70-130</i>			
<i>Surrogate: MPFDA</i>	<i>35.4</i>		<i>"</i>	<i>39.8</i>		<i>88.8</i>	<i>70-130</i>			
<i>Surrogate: MPFHxA</i>	<i>37.0</i>		<i>"</i>	<i>39.8</i>		<i>93.0</i>	<i>70-130</i>			
<i>Surrogate: M3HFPO-DA</i>	<i>32.8</i>		<i>"</i>	<i>39.8</i>		<i>82.3</i>	<i>70-130</i>			



**PFAS Target compounds by LC/MS-MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BF51216 - EPA 537.1 SPE DVB**

**Blank (BF51216-BLK1)**

Prepared: 06/17/2025 Analyzed: 06/26/2025

Hazard Index	0.00		Unitless (HI)								
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
9CL-PF3ONS	ND	2.00	"								
11CL-PF3OUdS	ND	2.00	"								
HFPO-DA (Gen-X)	ND	2.00	"								
ADONA	ND	2.00	"								
<i>Surrogate: d5-N-EtFOSAA</i>	214		"	160		133	70-130				
<i>Surrogate: MPFDA</i>	49.5		"	40.0		124	70-130				
<i>Surrogate: MPFHxA</i>	38.3		"	40.0		95.7	70-130				
<i>Surrogate: M3HFPO-DA</i>	44.9		"	40.0		112	70-130				

**LCS (BF51216-BS1)**

Prepared: 06/17/2025 Analyzed: 06/26/2025

Perfluorobutanesulfonic acid (PFBS)	16.2	2.00	ng/L	17.7		91.3	70-130				
Perfluorohexanoic acid (PFHxA)	17.9	2.00	"	20.0		89.6	70-130				
Perfluoroheptanoic acid (PFHpA)	21.1	2.00	"	20.0		106	70-130				
Perfluorohexanesulfonic acid (PFHxS)	21.6	2.00	"	19.0		114	70-130				
Perfluorooctanoic acid (PFOA)	22.6	2.00	"	20.0		113	70-130				
Perfluorooctanesulfonic acid (PFOS)	22.8	2.00	"	19.2		119	70-130				
Perfluorononanoic acid (PFNA)	25.0	2.00	"	20.0		125	70-130				
Perfluorodecanoic acid (PFDA)	24.4	2.00	"	20.0		122	70-130				
Perfluoroundecanoic acid (PFUnA)	26.2	2.00	"	20.0		131	70-130	High Bias			
Perfluorododecanoic acid (PFDoA)	25.6	2.00	"	20.0		128	70-130				
Perfluorotridecanoic acid (PFTrDA)	21.1	2.00	"	20.0		105	70-130				
Perfluorotetradecanoic acid (PFTA)	21.1	2.00	"	20.0		106	70-130				
N-MeFOSAA	20.8	2.00	"	20.0		104	70-130				
N-EtFOSAA	24.1	2.00	"	20.0		120	70-130				
9CL-PF3ONS	22.6	2.00	"	18.7		121	70-130				
11CL-PF3OUdS	21.8	2.00	"	18.9		115	70-130				
HFPO-DA (Gen-X)	26.8	2.00	"	20.0		134	70-130	High Bias			
ADONA	20.7	2.00	"	18.9		110	70-130				
<i>Surrogate: d5-N-EtFOSAA</i>	209		"	160		130	70-130				
<i>Surrogate: MPFDA</i>	54.9		"	40.0		137	70-130				
<i>Surrogate: MPFHxA</i>	38.3		"	40.0		95.6	70-130				
<i>Surrogate: M3HFPO-DA</i>	42.7		"	40.0		107	70-130				





## Sample and Data Qualifiers Relating to This Work Order

PFSH The recovery for this PFAS surrogate was above control limits

PFLH The recovery for this PFAS compound was above control limits

### Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.
MCL	This is the Maximum Contaminant Level in ng/L (ppt) established by the NYSDOH for these compounds where an MCL is reported. Exceedences are flagged accordingly.



**APPENDIX C:**

**NYSDEC Institutional and Engineering Controls  
Certification Form**



**Enclosure 2**  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**  
**Site Management Periodic Review Report Notice**  
**Institutional and Engineering Controls Certification Form**



	Site Details	Box 1	
<b>Site No.</b>	<b>340020</b>		
<b>Site Name</b> La Russell's Cleaners			
Site Address: 406 Route 52    Zip Code: 10512			
City/Town: Lake Carmel			
County: Putnam			
Site Acreage: 0.490			
Reporting Period: April 14, 2023 to April 14, 2024			
		YES	NO
1. Is the information above correct?		x	
If NO, include handwritten above or on a separate sheet.			
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?			x
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?			x
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?			x
<b>If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.</b>			
5. Is the site currently undergoing development?			x

	Box 2	
	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	x	
7. Are all ICs in place and functioning as designed?	x	
<b>IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.</b>		
<b>A Corrective Measures Work Plan must be submitted along with this form to address these issues.</b>		
Signature of Owner, Remedial Party or Designated Representative	Date	

**Description of Institutional Controls**

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
<b>33.18-1-33</b>	URUSULA HALL	O&M Plan Commonly referred to as the Former OSCOM (or Telecommunications Business) building in the Operation Monitoring and Maintenance Plan and other reports. Currently a hair salon.  Semi-annual monitoring of the influent and effluent for the point-of-entry potable treatment or GAC system, and periodic maintenance of the GAC system (e.g., changing carbon).
<b>33.72-1-18</b>	A-Class Management, Inc.	O&M Plan IC/EC Plan  Ground Water Use Restriction Ground Water Use Restriction  Landuse Restriction Building Use Restriction Building Use Restriction Monitoring Plan Monitoring Plan Site Management Plan Site Management Plan O&M Plan

**Description of Engineering Controls**

<u>Parcel</u>	<u>Engineering Control</u>
<b>33.18-1-33</b>	Point-of-Entry Water Treatment
<b>33.72-1-18</b>	Groundwater Treatment System Vapor Mitigation Vapor Mitigation Monitoring Wells Monitoring Wells Point-of-Entry Water Treatment Point-of-Entry Water Treatment  1. Operation and maintenance of two existing point of entry carbon treatment system supplies impacted by site related contamination at La Russell Cleaners and the Former OSCOM Building. The other point of entry carbon treatment system was decommissioned (SOFAIR apartments) after succesfully meeting groundwater standards and approval from NYSDEC and NYSDOH.  2. Operation and maintenance of the active sub-slab depressurization system for soil vapor impacts at former La Russell Dry Cleaners.

**Periodic Review Report (PRR) Certification Statements**

1. I certify by checking "YES" below that:
- a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;
  - b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.
- YES    NO
- x

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:
- (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;
  - (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;
  - (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;
  - (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and
  - (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.
- YES    NO
- x

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

**A Corrective Measures Work Plan must be submitted along with this form to address these issues.**

\_\_\_\_\_  
Signature of Owner, Remedial Party or Designated Representative

\_\_\_\_\_  
Date

**IC CERTIFICATIONS  
SITE NO. 340020**

**Box 6**

**SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE**

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Amit Patel at 406 Route 52, Carmel, New York 10512,  
print name print business address

am certifying as A Class Management, Inc. (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

\_\_\_\_\_  
Signature of Owner, Remedial Party, or Designated Representative  
Rendering Certification

\_\_\_\_\_  
Date

EC CERTIFICATIONS

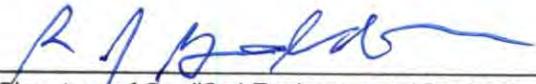
Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Richard J. Baldwin at P.O. Box 929, Two Center St., Croton Falls, New York 10519  
print name print business address

am certifying as a Qualified Environmental Professional for the Amit Patel  
(Owner or Remedial Party)

  
Signature of Qualified Environmental Professional, for  
the Owner or Remedial Party, Rendering Certification

\_\_\_\_\_  
Stamp  
(Required for PE)

5-16-24  
Date

APPENDIX D:

October 2023 Low-Flow Sampling Logs

**Well Sampling Field Data Sheet**

Site: La Russell's Cleaners  
 Project #: \_\_\_\_\_  
 Location: 406 Route 52 Carmel, NY  
 Date: 6/5/2025  
 Conditions: Cloudy  
 NJ Certified Instrument ID#: \_\_\_\_\_

Well ID: MW-35  
 Well Depth (fbg): \_\_\_\_\_  
 Well Diameter (in): \_\_\_\_\_  
 Screen Interval (fbg): \_\_\_\_\_  
 Meas. Point: \_\_\_\_\_

Initial DTW (fbg): 11.85 at casing  
 Final DTW: \_\_\_\_\_  
 Intake Depth (fbg): \_\_\_\_\_  
 Purge Bail **Low-Flow**  
 Purge Volume: \_\_\_\_\_  
 Personnel: KH

No.	TIME	TEMP (°C)	pH (s.u)	Scond (uS/cm)	D.O. (mg/l)	D.O. (%)	Turb (NTU)	ORP (mV)	DTW (ft.)
1	1:35 PM	15.85	9.33	0.899	8.02	86.7	0.9	91	11.85
2	1:40 PM	14.45	10.23	0.89	8.76	84	0	50	13.01
3	1:45 PM	13.81	10.92	0.915	8.7	87.0	0	10	13.01
4	1:50 PM	13.82	10.93	0.901	8.45	84.7	0	10	13.01
5	1:55 PM	14.75	10.88	0.864	7.7	79.2	0	13	13.01
6	2:00 PM	16.11	10.86	0.836	7.2	75.8	0	13	13.01
7	2:05 PM	16.6	10.86	0.831	7.1	74.8	0.0	14	13.01
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

*Tolerances = (pH +/-0.2 units), Specific cond. (+/-3%), turbidity (+/-10% or 1.0 NTU), D.O. (+/-10% or 0.2 mg/l)*

Well Recharge: **(Good / Fair / Poor)**  
 Start Purge/Stop Purge: 1:35 PM - 2:05 PM  
 Approx Pumping Rate: \_\_\_\_\_

Sample ID: \_\_\_\_\_  
 Sample Time: \_\_\_\_\_  
 Sample Quality: \_\_\_\_\_

Analyses: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Well Sampling Field Data Sheet**

Site: La Russell's Cleaners  
 Project #: \_\_\_\_\_  
 Location: 406 Route 52 Carmel, NY  
 Date: 6/5/2025  
 Conditions: Cloudy  
 NJ Certified Instrument ID#: \_\_\_\_\_

Well ID: MW-3D  
 Well Depth (fbg): \_\_\_\_\_  
 Well Diameter (in): \_\_\_\_\_  
 Screen Interval (fbg): \_\_\_\_\_  
 Meas. Point: \_\_\_\_\_

Initial DTW (fbg): 7.95 at casing  
 Final DTW: \_\_\_\_\_  
 Intake Depth (fbg): \_\_\_\_\_  
 Purge Bail **Low-Flow**  
 Purge Volume: \_\_\_\_\_  
 Personnel: KH

No.	TIME	TEMP (°C)	pH (s.u)	Scond (uS/cm)	D.O. (mg/l)	D.O. (%)	Turb (NTU)	ORP (mV)	DTW (ft.)
1	2:20 PM	14.6	9.7	3.37	4.16	41.8	2.8	110	7.95
2	2:25 PM	13.12	8.42	3.51	4.56	44.7	0.5	148	7.95
3	2:30 PM	13	7.15	3.53	3.4	33.8	0	207	7.95
4	2:35 PM	12.91	6.66	3.54	3.41	33.7	0	221	7.95
5	2:40 PM	12.96	6.67	3.56	3.3	32.5	3.1	228	7.9
6	2:45 PM	12.82	6.29	3.57	3.4	33.6	0	230	7.9
7	2:50 PM	12.97	6.28	3.61	3.5	34.4	0.0	233	7.9
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

*Tolerances = (pH +/-0.2 units), Specific cond. (+/-3%), turbidity (+/-10% or 1.0 NTU), D.O. (+/-10% or 0.2 mg/l)*

Well Recharge: **(Good / Fair / Poor)**  
 Start Purge/Stop Purge: 2:20PM-2:50PM  
 Approx Pumping Rate: \_\_\_\_\_

Sample ID: MW-3D  
 Sample Time: \_\_\_\_\_  
 Sample Quality: \_\_\_\_\_

Analyses: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Well Sampling Field Data Sheet**

Site: La Russell's Cleaners  
 Project #: \_\_\_\_\_  
 Location: 406 Route 52 Carmel, NY  
 Date: 6/5/2025  
 Conditions: Cloudy  
 NJ Certified Instrument ID#: \_\_\_\_\_

Well ID: MW-6  
 Well Depth (fbg): \_\_\_\_\_  
 Well Diameter (in): \_\_\_\_\_  
 Screen Interval (fbg): \_\_\_\_\_  
 Meas. Point: \_\_\_\_\_

Initial DTW (fbg): 9.25  
 Final DTW: \_\_\_\_\_  
 Intake Depth (fbg): \_\_\_\_\_  
 Purge Bail **Low-Flow**  
 Purge Volume: \_\_\_\_\_  
 Personnel: KH

No.	TIME	TEMP (°C)	pH (s.u)	Scond (uS/cm)	D.O. (mg/l)	D.O. (%)	Turb (NTU)	ORP (mV)	DTW (ft.)
1	10:40 PM	18.76	6.96	0.587	7.34	81.7	0.389	75	9.81
2	10:45 PM	15.23	6.65	0.617	9.04	90.4	0.5	79	9.9
3	10:50 PM	15.89	6.6	0.632	8.4	87.7	0.4	73	10.9
4	10:55 PM	15.02	6.97	0.632	5.06	51.7	0.5	71	10.5
5	11:00 AM	14.78	6.51	0.614	4.2	43.8	0.6	83	11.2
6	11:05 PM	15.79	6.46	0.63	3.7	36.7	0.6	81	12.95
7	11:10 PM	15.05	6.41	0.612	4.0	41.3	0.6	88	12.5
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

*Tolerances = (pH +/-0.2 units), Specific cond. (+/-3%), turbidity (+/-10% or 1.0 NTU), D.O. (+/-10% or 0.2 mg/l)*

Well Recharge: (Good / Fair / Poor)  
 Start Purge/Stop Purge: 10:40 AM - 11:10 AM  
 Approx Pumping Rate: \_\_\_\_\_

Sample ID: MW-6  
 Sample Time: \_\_\_\_\_  
 Sample Quality: \_\_\_\_\_

Analyses: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Well Sampling Field Data Sheet**

Site: La Russell's Cleaners  
 Project #: \_\_\_\_\_  
 Location: 406 Route 52 Carmel, NY  
 Date: 6/5/2025  
 Conditions: Cloudy  
 NJ Certified Instrument ID#: \_\_\_\_\_

Well ID: MW-8D  
 Well Depth (fbg): \_\_\_\_\_  
 Well Diameter (in): \_\_\_\_\_  
 Screen Interval (fbg): \_\_\_\_\_  
 Meas. Point: \_\_\_\_\_

Initial DTW (fbg): 1.53  
 Final DTW: \_\_\_\_\_  
 Intake Depth (fbg): \_\_\_\_\_  
 Purge Bail **Low-Flow**  
 Purge Volume: \_\_\_\_\_  
 Personnel: KH

No.	TIME	TEMP (°C)	pH (s.u)	Scond (uS/cm)	D.O. (mg/l)	D.O. (%)	Turb (NTU)	ORP (mV)	DTW (ft.)
1	12:00 PM	16.79	7.57	0.808	2.39	23.3	12.4	100	1.53
2	12:05 PM	17.11	6.44	0.809	0.03	0.3	4.4	141	1.7
3	12:10 PM	16.84	6.41	0.853	0.0	0.0	2.3	153	1.7
4	12:15 PM	14.37	6.28	0.938	0	0	1.4	158	1.7
5	12:20 PM	15.46	6.28	0.904	0.0	0.0	3.7	162	1.7
6	12:25 PM	15.51	6.23	0.883	0.0	0.0	2.7	164	1.7
7	12:30 PM	15.15	6.23	0.875	0.0	0.0	5.1	164	1.7
8	12:35 PM	15.58	6.25	0.86	0.0	0.0	5.0	165	1.7
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

*Tolerances = (pH +/-0.2 units), Specific cond. (+/-3%), turbidity (+/-10% or 1.0 NTU), D.O. (+/-10% or 0.2 mg/l)*

Well Recharge: **(Good / Fair / Poor)**  
 Start Purge/Stop Purge: 12:00 PM - 12:35 PM  
 Approx Pumping Rate: \_\_\_\_\_

Sample ID: \_\_\_\_\_  
 Sample Time: \_\_\_\_\_  
 Sample Quality: \_\_\_\_\_

Analyses: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_