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# **MONTHLY REPORT OF THE OPERATIONS & MAINTENANCE ACTIVITIES (OCTOBER 2025)**

## **CLAREMONT POLYCHEMICAL OPERABLE UNIT 5 GROUND WATER TREATMENT SYSTEM, OLD BETHPAGE, NY**

**MONTHLY REPORT OF THE OPERATIONS & MAINTENANCE  
ACTIVITIES (OCTOBER 2025)  
CLAREMONT POLYCHEMICAL OPERABLE UNIT 5 GROUND  
WATER TREATMENT SYSTEM, OLD BETHPAGE, NY**

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## LIST OF ACRONYMS AND ABBREVIATIONS

AS	Air Stripper
A/V	Air and Vacuum
ASF	Air Stripper feed
BNA	Base Neutral & Acid Extractables
CPC	Claremont Polychemical
CSE	Confined Space Entry
DOSR	Daily Operations Summary Report
EE	Electrical Engineer
GAC	Granular Activated Carbon
GES	Groundwater & Environmental Services, Inc.
GPM	Gallons Per Minute
GWTS	Groundwater extraction, treatment, and reinjection system
HDR	Henningson, Durham & Richardson Architecture and Engineering, P.C.
HMI	Human Machine Interface
HVAC	Heating, Ventilation, and Air Conditioning
MTBA	Tert-Butyl-Methyl ether
MW	Monitoring Well
NYSDEC	New York State Department of Environmental Conservation
O&M	Operation and Maintenance
OU4	Operable Unit 4
OU5	Operable Unit 5
PD	Plant Discharge
PDB	Passive Diffusion Bag
PFAS	Per- and polyfluoroalkyl substances
PFOS	Perfluorooctanesulfonic acid
PFOA	Perfluorooctanoic acid
PID	Photoionization Detector
PFF	Pressure Filter Feed
PLC	Programmable Logic Controller
ppm	parts per million
PW	Process Water
Ramboll	Ramboll Americas Engineering Solutions, Inc.
RW	Recovery Well, Process Well
SPEDES	State Pollutant Discharge Elimination System
SSHP	Site Safety and Health Plan
SU	Standard pH Units
SVOCs	Semi-Volatile Organic Compounds
TBA	Tert-butyl alcohol
TDS	Total Dissolved Solids
TKN	Total Kjeldahl Nitrogen
TOC	Total Organic Carbon
TOGS	Technical and Operational Guidance Series
TSS	Total Suspended Solids
USEPA	United States Environmental Protection Agency
US Water	US Water Services Corporation
VOCs	Volatile Organic Compounds,

## 1. OPERATION AND MAINTENANCE ACTIVITIES

On behalf of Ramboll Americas Engineering Solutions, Inc. (Ramboll), Groundwater & Environmental Services, Inc. (GES) continued the daily operation and maintenance (O&M) of the Claremont Polychemical (CPC) Superfund Site Groundwater Treatment System (GWTS) Operable Unit 5 (OU5) during the month of October 2025. In addition, former Operable Unit (OU4) was inspected once per month to ensure security and building code compliance. For this report every time plant is mentioned it refers to OU5. OU4 will be referred to as such whenever discussed. This report covers the O&M activities for the system during the period defined as beginning at approximately 0800 hours, October 1, 2025, through approximately 0800 hours, October 31, 2025. O&M conducted during this reporting period was guided by the site O&M Manual.

The GWTS – treatment plant, grounds, and well systems - were maintained for the 30 days in this reporting period during which the treatment system experienced no downtime. Readings of the key plant process parameters are normally recorded each workday. These readings and the Human Machine Interface (HMI) flow trend lines are used to monitor the system’s performance and condition. Selected readings are recorded in the daily database which is an electronic file maintained in the monthly operating documents folder. If the plant is not occupied, the system is monitored remotely.

The treatment process control and alarm systems are functional. The recovery well pumps, process pumps, and air stripper blower are operated in the automatic mode and are normally remotely controlled and monitored. The RW-3 and RW-5 recovery wells were functional and fully operational during the month of October when the system was online. RW-4 experienced random shut downs on October 6 and October 7, 2025. These periodic shutdowns of RW-4 do not cause a system alarm but do indicate a 0 gallon per minutes (gpm) flow reading. The RW-4 pump shutdowns are likely attributable to a pump thermal overload as, following a cool down period, the pump automatically restarts.

### 1.1 Daily Operations Summary Reports

The GWTS’s daily operations and maintenance activities, project tasks, and observations during this period are briefly described in the Daily Operations Summary Report (DOSR). The DOSR is based in part on the treatment system’s daily operating worksheets and logs which include:

- Daily Operating Log – flow readings and calculations (Form-01)
- Daily Site and Safety Inspection – plant condition checklist (Form-02)
- Daily Plant Activity Notes – plant manager’s daily summary (Form-03)
- Sign-In Sheet – GES/Ramboll employee on-site hours (Form-15)
- Daily Process Data Sheet – point process readings (Form-30)
- Logbook CPC 5-8– plant operator’s daily logbook
- Daily Database – daily process readings (October 25 Database.xlsx)
- NYSDEC Log-in Sheet – Entry/Exit Log

## 1.2 Summary of Maintenance Activities

The operation and maintenance of the treatment system, facility, and associated equipment is performed in accordance with the site O&M Manual. These tasks and inspections incorporate the equipment manufacturers' recommendations, operations experience, and good engineering and maintenance practices. A detailed accounting of the October activities is further provided in the plant operator's daily logbook.

Maintenance and project activities undertaken during the October period included:

- Routine and general maintenance tasks were conducted at the plant, on the grounds, and in the well fields.
- Single Air Stripper Feed (ASF) pumps were placed into hand mode and frequently switched to cycle their activity.
- The monthly process equipment tests were conducted.
- The Operable Unit 4 (OU4) comprehensive inspections were completed.
- The monthly Process/Recovery Well (RW) system inspection was completed.
- Basin 33 was inspected.
- Basin 1 was inspected.
- The ASF pumps were lubricated, and the seals tightened.
- The OU5 comprehensive inspections were completed.
- The PFF pumps were lubricated, and the seals tightened.
- The fire alarm system components were inspected.
- The monthly electrical device survey was completed.
- The SUNY wellfield was inspected.

Additional, non-routine maintenance activities that were completed during the October period included:

- Replaced metal halide light bulbs on non-working exterior lights on October 7, 2025. The exterior lights will require further troubleshooting and replacement as they remained unoperational following replacement.

## 1.3 Maintenance Logs

The following operating logbooks are currently in use and maintained at OU5:

- CL-18 OU-4 Log (at OU4)
- CL-43 General Field Support Log (truck)
- CL-47 Misc. Projects Field Notebook (Brian Dunn)
- CPC 5-4 Project Support Logbook (site)
- CPC 5-8 Site Supervisor's Daily Logbook (Brian Dunn)

## 2. TECHNICAL SUPPORT ACTIVITIES

### 2.1 GES/Ramboll Personnel

- GES maintained the system throughout the period.
- October 23, 2025 – Maureen McCarthy (Ramboll) on site for contractor site walkthrough related to transfer pump replacement.

## 2.2 NYSDEC Personnel, Sub - contractors, and Other Visitors

- October 23, 2025 – Gary Donaghy (Bensin Contracting), Chris Okon (Delta Well & Pump), and Michael Verde and Dan McGreecy (GA Fleet) on site for OU-5 site walkthrough related to transfer pump replacement.

## 2.3 Deliveries

- October 2, 2025 – FedEx delivered replacement floats for wet vaults.
- October 7, 2025 – United Rentals delivered aerial lift.
- October 20, 2025 – Nassau County police returned main gate key used during Ryder Cup activities.
- October 30, 2025 – Pace Labs courier delivered coolers and bottle ware for the upcoming November quarterly system sampling event.

# 3. HEALTH AND SAFETY

Work at the Claremont GWTS OU5 was conducted in accordance with the approved and Ramboll adopted Site Safety and Health Plan (SSHP). Safety related activities during this period included:

- The water remained off at OU4. Both potable and non-potable lines were drained. (No sanitary water).
- Daily site safety inspections were completed as part of the routine O&M activities.

# 4. PLANNED ACTIVITIES AND SCHEDULES

The evaluation of the plant operating system and equipment is ongoing by GES/Ramboll. A list in the form of corrective actions or maintenance tasks has been generated as a monthly system status report. These reports are updated as needed and reviewed at least monthly. Both are electronically filed. The corrective action list is included at the end of this report as **Table 1** – Claremont Corrective Action Summary.

Upcoming tasks include:

- Close and exercise all globe valves at the non-operational recovery wells.
- Plan for replacement of non-functional plant process room lighting (with LED lighting).
- Plan for replacement of non-functional emergency heaters in the process room.
- Evaluate HVAC system upgrades for adequate heat production.
- Plan to evaluate replacement of electric motor controls at all recovery pumps.
- Plan to evaluate the fire control system due to system issues.
- Plan to evaluate replacement of exterior lighting fixtures.
- Plan to replace transfer pump PFF-1.

## 5. MONITORING WELL WATER ELEVATIONS

The monitoring well system's groundwater elevation data table was updated after the August 2025 quarterly GW elevation recording task. This database is available for review. The next set of synoptic water level measurements will be conducted by Ramboll in November 2025.

## 6. TREATMENT SYSTEM FLOWS

During the October period, the plant continued to operate in the auto control mode. The volume of treated water discharged by the treatment system to the selected recharge basin was calculated from the plant influent and effluent flow meter readings. These readings are taken at the HMI and recorded in the daily database.

During the month of October 2025, recovery wells RW-3 and RW-5 operated normally. RW-4 experienced possible thermal pump motor overload issues and was offline intermediately between October 6 and October 7, 2025.

Both RW-1 and RW-2 recovery pumps are currently inoperable as both motor control starters from these pumps were installed at RW-5, RW-3, respectively, as a temporary repair measure.

During the month of October, the plant discharge was directed primarily to Recharge Basin 33.

The total volume of treated water discharged from ~0800 hours October 1, 2025 to ~0800 hours October 31, 2025 was approximately 30,378,000 gallons. The data in **Table 2** is a summary of plant discharge flows.

A graphic representation of the system's daily plant discharge output is provided in **Figure 1** and the daily plant totalizer readings for October 2025 are provided in **Table 3**, both following the text of this report.

Under current conditions, the PLC and the control system are functioning as designed. Flows from the individual recovery wells are remotely read, transmitted, and totalized.

The flow summary for the individual components of the system can be found in **Table 4** at the end of this report.

## 7. CHEMICAL CONSUMPTION

The hydrochloric acid feed system is currently off-line, and the system is void of acid. There are four drums of virgin acid on site. No acid was used for water treatment purposes in October of 2025.

The sodium hydroxide storage system is currently not in use and the system is empty of caustic. There is no bulk sodium hydroxide on site, and no caustic was used in October of 2025.

The sodium hypochlorite storage system is currently not in use and the system is empty of bleach. No bulk sodium hypochlorite is stored on site. No sodium hypochlorite was used in October of 2025.

## 8. WASTE DISPOSAL

Routine accumulation of waste materials continued from plant day to day operations. Waste removal is being handled by National Waste Services, LLC. The waste container was emptied in October 2025.

## 9. MONTHLY DISCHARGE MONITORING REPORT

The GWTS is operated under an equivalency permit from the NYSDEC. **Table 5** presents the Claremont OU5 O&M Sampling and Measurement requirements and their frequency. The analytical results for the plant discharge sampling conducted on October 2, 2025 indicate that the analyzed parameters were compliant with permit limits (**Table 6**). Monthly system sampling analytical results are provided in **Attachment 1**.

The OU5 GWTS plant's water discharge permit is in the process of being renewed by the NYSDEC.

## 10. PENDING ISSUES AND CONSIDERATIONS

The discrepancies/inaccuracies in the plant flow meter readings at OU5 may be due to the inappropriate configuration of the local piping. Future calibration or adjustment of pulse reading may be required.

The OU4 plant is offline and its disposition including that of the injection well system and vapor carbon beds is pending.

The status of key aspects of OU4 are as follows:

- The plant heat is currently off, and the system is out of service.
- The electric feed to the building has been disconnected by PSEG Long Island.
- The fire alarm panels are off-line.
- The fire sprinkler system is currently off-line. The water has been drained from the system. Although BK Fire Suppression Systems LLC installed a central monitoring and an alarm system on the sprinkler system at OU4 in the past, the system is not operational.
- The facility is secure, and its physical monitoring continues.
- The facility and grounds are not maintained except for the facility entrance and plant egress points.
- NYSDEC plans on decommissioning and demolishing OU4. A team from Ramboll has hired a contractor and is awaiting necessary permits for the demolition which is scheduled for 4<sup>th</sup> Quarter 2025.

## 11. PLANT DOCUMENTS

Procedures and standard forms are written, reviewed, and revised as needed. As-built drawings are generated and updated as necessary.

## 12. MONITORING RESULTS

The CPC GWTS is monitored through the analysis of off-site laboratory analytical data and on-site field data.

### 12.1 Off-site Analytical Data Results

Monthly Plant Discharge (PD) samples are taken for organic analysis in compliance with the NYSDEC discharge permit. Quarterly groundwater samples are taken for organic analysis, and quarterly process water (PW) samples are taken for organic, inorganic, and generic analysis. At the direction of the NYSDEC in an August 17, 2022 email, analysis of Per- and polyfluoroalkyl substances (PFAS) and 1,4-dioxane were added to monthly sampling for both influent and effluent for the foreseeable future. The October 2025 PFAS and 1,4-dioxane influent and effluent results can be found in **Table 7** following the text of this report. Monthly system sampling analytical results are provided in **Attachment 1**.

The October sampling activities included:

- The October PD data was processed and submitted.
- Monthly system sampling was completed on October 2, 2025.

### 12.2 Field Data

#### 12.2.1 Plant Discharge pH and Temperature

The treatment plant effluent is monitored for pH and temperature on a weekly basis to obtain a monthly average in compliance with the NYSDEC discharge permit requirements. These measurements are taken from the plant effluent at a controlled point with a calibrated portable meter. The plant discharge readings for October 2025 can be found in **Table 8** following the text of this report.

The October 2025 average pH measurement was 7.48 standard units (su). The NYSDEC discharge permit requires the plant discharge to have an average monthly pH between 6.5 and 8.5 su. The results for this month meet this requirement. Data showing the plant discharge's monthly average pH trend over several months is provided in **Table 9** following the text of this report.

#### 12.2.2 Air Stripper (AS) Tower Air Monitoring

Using a calibrated photoionization detector (PID), the vapor discharge from the air stripper tower was monitored weekly for volatile organic compounds (VOCs). The measurements were taken from the tower's effluent air stream through Port B when the treatment system is online. The October 2025 readings from the AS tower are provided in **Table 10**.

Other routine data collected in October 2025 included:

- The electric and water meter readings at OU5 were recorded weekly.
- The plant vaults and selected areas were monitored for VOCs weekly.
- The plant sound levels were recorded bi-weekly.
- The monthly electric and gas meter readings for OU4 were recorded.
- The recharge basins were inspected weekly.
- The differential pressure readings across the AS Tower were recorded bi-weekly.

## 13. PROCESS ANALYSIS AND SYSTEM STATUS

The treatment system is currently operated 24/7 in automatic mode. It is remotely monitored as necessary.

### 13.1 Extraction (RW) Processes

- The monthly system inspection was completed.
- The vault space heating units were deactivated in April 2025.
- The recovery well pump system is remotely controlled and monitored, it operates in the auto mode.
- RW-4 motor controls were randomly shutting the pump down between October 6 and October 7, 2025 possibly due to a thermal overload trip at the pump motor.
- Pump flow readouts are transmitted to the plant and the totalizers for pumps RW-3, and RW-4 are fully functional. The local flow meter for RW-5 occasionally stops transmitting.
- Air/Vacuum (A/V) valve at station 33+96 encountered a leak in May 2023 that required the vault to be pumped out and have its air/vacuum valve removed. Currently a stopper has been fitted to the pit that allows water to flow through the system.
- The Air/Vacuum (A/V) valve at station 16+57 and 17+10 remain isolated from the transmission line.
- RW-1 and RW-2 are offline and periodically run for preventative maintenance purposes. Their flow meters are not transmitting through the PLC. When repairs were made at RW-1 in November 2021, stones were removed from the flow meterhousing. There was a thick coating of iron salt deposits on the housing and impeller. Both RW-1 and RW-2 are isolated from the process pipeline throughout the operating period. On a monthly basis, the isolation valves are actuated open and pumps are run for five minutes to rotate the motors. The RW-1 pump was tested operational last as of June 2024. The motor controls (motor starter with relay overload) were taken from RW-1 and installed at RW-5 on June 18, 2024 due to these parts being obsolete. RW-1 will remain offline and inoperative until suitable replacement can be obtained. RW-2 pump was last tested operational in November 2024. The motor starter and relay overload were removed on November 18, 2024 and installed at RW-3. RW-2 will remain offline and inoperative until suitable replacement parts can be obtained.

### 13.2 AS Process

- The three OU5 ASF pumps in the AS Process are fully functional.
- Motors and seals were lubricated on a bi-weekly schedule. Seals were tightened and the drains were cleared as necessary.
- The AS tower main drain valve's manual actuator is not functional (fail open).

- The tower media appears clean as the pressure differential between the top and bottom ports remains relatively constant. The lower section of media has been visually inspected.
- The discharge valves for ASF P1 and P2 appear to be frozen in the open position.
- Two floats in the ASF wet vault were replaced on November 1, 2024.

### **13.3 PD Process**

- The plant discharge flow is directed intermittently to Recharge Basin 1 and Recharge Basin 33 based on RB33 liquid level.
- Pump PF-1 was historically taken out of service due to excessive noise and vibration. A full evaluation is required.
- Pump PF-2 and PF-3 remain fully functional.
- The motors and seals were lubricated as necessary.
- The discharge valve for PFF P-3 has failed open.
- One float in the PFF wet vault was replaced on September 22, 2025.

### **13.4 Other**

- The plant's first bank of lights is wired to the emergency-light recharging system. The circuit is kept on 24/7. The lamps appear burnt out. The second bank of lights provides sufficient lighting for general tasks. Additional work lights were installed around the plant area to further illuminate work areas.
- The potential for leaks in the water supply line running through the plant will continue to be monitored.
- Potential issues with the smoke detectors and fire alarm pull boxes in OU5 was discovered during system troubleshooting on February 19, 2025. Further testing was conducted by Island Fire & Defense on August 11 and 12, 2025.
- The timer for the plant outdoor light fixtures was replaced on September 26, 2025.
- An emergency light fixture in the laboratory/office room of the plant was replaced on September 26, 2025.

## **14. GROUNDS**

### **14.1 Plant Perimeter**

- General outdoor clean-up tasks are on-going.
- The fencing is clear and secure.

### **14.2 Well Field**

- Well field, and recharge basin inspections continue. Quarterly groundskeeping activities are performed to clear vegetation and poison ivy from around all well fields in anticipation of quarterly groundwater sampling events. In addition, the entrance to Recharge Basin 33 is maintained for ease of access.

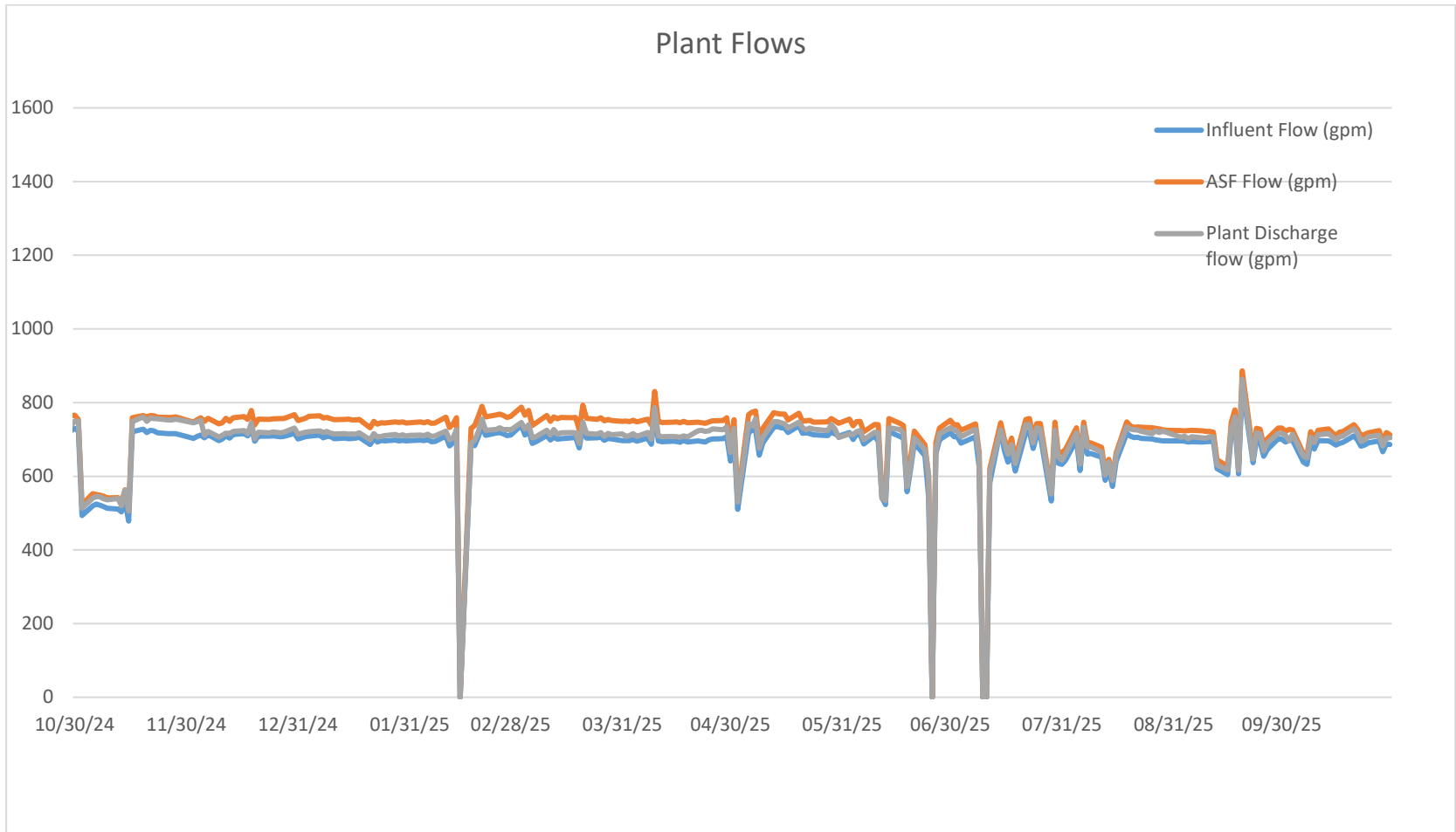
### **14.3 Other**

- The CPC GWTF OU4 is secure.
- The property at and around the OU4 site continues to be inspected. While the grounds are not maintained, the treatment plant's entrance and egress points are kept clear and functional.

- A walking path around the OU4 treatment plant building was cleared around existing equipment on September 24, 2025 to allow for a rodent survey to be completed ahead of demolition activities.

**FIGURE**

**Figure 1**  
**Plant Discharge Daily Flow**



## **TABLES**

**Table 1  
Claremont Corrective Actions Summary**

Condition to be Corrected	Status and Actions	Resources	Plant Ops Impact	Health & Safety Impacts
<p>The RW Discharge Manifold integrity is suspect</p>	<p>The condition of the various devices on the RW discharge manifold are suspect.</p> <p>The Air Vent valve in the vault on the N-side of the 6<sup>th</sup> fairway is leaking from the influent nipple. <b>The shut-off valve was closed and the device isolated.</b></p> <p>The air-vent valve in the vault to the east of the 6<sup>th</sup> green is leaking. <b>The shut-off valve was closed and the device isolated.</b></p> <p><b>The manifold employs isolation, venting, and drain valves as well as other devices. Along the path of the manifold are vaults which house some of these devices. These vaults need to be accessed, pumped out, and the devices tested.</b></p> <p><b>Two isolation valves were closed between RW-1 and RW-3. These valves seemed to hold.</b></p> <p><b>Perform a reassessment of the RW Discharge Manifold infrastructure relative to condition of key components.</b></p>	<p>Plant staff and outside contractors</p>	<p>Possible shutdown</p>	<p>May require a Confined Space Entry (CSE)</p>

Condition to be Corrected	Status and Actions	Resources	Plant Ops Impact	Health & Safety Impacts
AS Tower main drain valve is not controlled	<p>The valve does not respond to manipulation of its actuator.</p> <p><b>This valve should be replaced.</b></p> <p><b>No further action is planned at this time.</b></p>	Operator	Plant will need to be shut down to change out the valve	None
<p>OU4 fire alarm system is not functioning</p> <p>Central monitoring of the fire alarm system or fire suppression system does not exist</p> <p>OU4 electrical system has been unstable</p>	<p>OU4 is currently being planned for demolition in 4th Q 2025.</p> <p>The Nassau County Fire Code indicates that the sprinkler system must have central monitoring for flow and valve tampering</p> <p>The fire alarm system will not be replaced and centrally monitored due to the planned demolition.</p> <p>Several contractors have been at the site to propose options for the system however repair is not necessary since the building will be demolished.</p> <p>BK Fire installed central monitoring on the sprinkler system. Both are offline as the sprinkler system will remain drained until OU4 is demolished.</p> <p>Certain OU4 lights currently create a large amount of noise in the fan box within the control room. The southern lights flicker and then die including the emergency system.</p>	Plant operator, Electrical Engineer (EE) and outside vender	None at this time	Fire code violations. High altitude tasks, safety code violations
The float controls for the PFF pump system have intermittently shorted out causing the system to not properly control the pumping operation	<p>The wiring of the pump control system is connected below grade. The junction box in the wet well is thought to be filled with water creating a problem with the float switches to control relay wiring.</p> <p>The box cannot be opened without damage to it and the conduit. This appears to have been a longstanding problem, as when switches have been replaced in the past, they were spliced outside the box.</p>	Plant operator and GES resources	Plant shut down is required	Possible Confined Space Entry work

Condition to be Corrected	Status and Actions	Resources	Plant Ops Impact	Health & Safety Impacts
	<p>The output from the W-2 relay was moved to the output for the W-1 relay. This has stopped the short cycling.</p> <p><b>The control wiring should be changed and moved above grade. Currently the second splices to the floats are above ground outside the vault.</b></p>			
PFF Pump Reliability	<p>Pump PFF P1 was removed from service on February 24, 2020. Remaining pumps PFF P2 and PFF P3 are aging and rusted, preventing any significant maintenance if problems arise.</p> <p><b>It is recommended that replacement pumps be specified and PFF P1 be replaced in the event that PFF P2 or PFF P3 fail. Ramboll engineers are currently assessing pumps suitable for replacing PFF P1.</b></p>	Ramboll Engineers (design), Outside contractors (installation)	Less water being treated if another PFF pump fails.	To be determined
As the ASF pumps cycle off/on, the check valves have started to slam closed. When reactivating, the motor starter contact is rather violent. Both actions tend to rattle the piping and fixtures	<p>There is no available literature regarding the check valves, so the exact description of their functioning parts is to be determined.</p> <p>A softer start/stop control may fix this issue.</p> <p><b>This will need further investigation. Soft-start equipment and variable frequency controls were discussed.</b></p>	Plant operator and EE support	If replacement or repairs are necessary, a plant shutdown will be required as the units cannot be isolated	To be determined
The flowmeters for system flow, ASF flow and plant discharge are out of sync with the flow meters on the recovery wells	While the ASF flow meter is the most out of line, it is plumbed correctly. The influent system flow meter and the plant discharge flow meters are piped incorrectly. The same style of relay is used to count pulses, but the meters have not been calibrated.	EE support	To be determined	none

Condition to be Corrected	Status and Actions	Resources	Plant Ops Impact	Health & Safety Impacts
	<p><b>The flow meters for the system show differences between recorded flows, they are not significant enough to warrant action at this time.</b></p>			
EF-4 is not operable	<p>The fan is controlled through the mezzanine thermostat, but is non-functional.  <b>The fan should be replaced.</b></p>	EE support	Only in an emergency	Only in an emergency
Wiring nests in main control console	<p><b>The wiring in the main control console needs to be cleaned up and labeled, to facilitate problem troubleshooting and process improvements.</b></p>	EE support	A shut down may be necessary	Electrical work
Pressure Filter Feed pump controls	<p>With P1 out of service, the sequencing of pumps allows for the PFF vault to reach HHL conditions in certain circumstances.  <b>Reprogram the sequencing to eliminate the position of P1.</b></p>	EE support	To be determined	To be determined
Air vacuum valve removal	<p>On May 22, 2022 RW-4 was shut down due to a leak detected in the field near an air/vacuum valve pit. On May 24 2022 through May 25, 2022 water was pumped out of the vault and on May 31, 2022 a confined space entry was made to attempt to tighten the valve in an effort to stop the leak. This tightening was unsuccessful, and the valve was removed entirely and replaced with a blank flange until further notice.</p>	GES Mechanical Support	Less water is treated	Confined space entry required to do work in vault

Condition to be Corrected	Status and Actions	Resources	Plant Ops Impact	Health & Safety Impacts
	<p><b>Perform a reassessment of the RW Discharge Manifold infrastructure relative to condition of key components.</b></p>			
<p>Plant Electric Heater and HVAC system performance</p>	<p>The HVAC system struggles to provide sufficient heat in the process room in very cold temperatures and the hanging heaters in the process room are not functional.</p> <p><b>Coordinate upgrades to HVAC and replacement of emergency heaters.</b></p>	<p>EE support and Outside contractor</p>	<p>Water lines freezing</p>	<p>Equipment damage</p>
<p>OU5 Fire Alarm System</p>	<p>A technician from Island Fire Defense Systems (IFDS) visited OU5 in response to fire alarm conditions in February 2025. The technician identified fire alarm system components which appeared to be inoperable. As a result, IFDS recommended a detailed assessment be performed to identify components which are not working or needs replacements. The detailed assessment was performed in August 2025.</p> <p><b>Replace and upgrade fire alarm system components as necessary.</b></p>	<p>GES, EE support and Outside contractor.</p>		

**Other Plant Conditions of Note** (no action required at this time)

- The methane detection system is offline. **To function, it will need a technical inspection and maintenance.** However, methane does not currently appear to be a hazard. A Town of Oyster Bay contractor completed plant and surrounding area testing for methane gas on March 25, 2024.
- It has been determined that intrinsically safe components are no longer required in the plant.
- There has been no need for acid washing of the AS Tower media, the hydrochloric acid feed and storage system have not been operated. The tanks have not been filled and the level monitoring system has not been operated.

As previously noted, there are pieces of equipment that are out of service and require repairs. Currently there are no plans for addressing these conditions as the operation of this equipment is not necessary or needed for the operation of the treatment system.

Equipment	Fault	Status
Plant electric heater UH-1	Needs transformer	Heater is not needed
Plant electric heater UH-2	Needs relay timer and wiring repairs	Heater is not needed
Recovery well pump pressure switch assembly	Units are unwieldy and subject to vibration, corrosion, and leaks	Each unit requires assessment and disposition
NaOH sump pump	Pump is not operating	No water or chemicals stored in vault. Portable submersible pump in sump should suffice
Plant lights are wired to the emergency light charging system	Un-segregated light cannot be shut off. Several of the lamps may have burnt out	The bank of lights appears to have failed/burnt out. The second bank of lights are sufficient
Plant exhaust fans are part of methane system	Fans cannot be manually operated	Once the methane monitoring system is online, the fans can be operated
Plant discharge drain	Leak in Victaulic fitting	Drain line on plant discharge intermittently leaks. Parts are in-house. Not pressing
ASF pump isolation valve	Valve P1 has failed open	Not needed at this time
PFF pump isolation valve	Valve P3 has failed open	Not needed at this time
RW-1 flow meter	The meter is not operating	Pump is offline. Rocks were pulled from the housing and iron sediment was encrusting the flow meter impeller and housing
RW-2 flow meter	The meter is not transmitting	Pump is offline
Air stripper flow meter	Non-functional and removed	
AH-1 condenser	Air conditioner is non-functional	Two window AC units in place
Plant outdoor lights	7 of 12 lights not functioning	Not a security issue

**Table 2**  
**Plant Discharge Average Flow & Volume**

<b>Period</b>	<b>Average Flow (gpm)</b>	<b>Average Daily volume (gal)</b>	<b>Total Period Flow (gal)</b>	<b>Min off</b>	<b>Min on</b>
Q4 2016	517	745,000	68,540,000	7,309	125,171
Q1 2017	520	748,244	67,342,000	655	128,945
Q2 2017	576	829,130	76,280,000	6,165	126,315
Q3 2017	634	913,576	84,049,000	1,110	131,370
Q4 2017	256	368,762	33,926,110	69,165	63,315
Q1 2018	53	75,989	6,839,000	118,180	11,420
Q2 2018	179	258,284	23,762,103	102,929	29,551
Q3 2018	504	725,280	66,725,717	57,416	75,064
Q4 2018	726	1,045,065	96,145,984	23,734	108,746
Q1 2019	527	758,467	68,262,000	735	128,865
Q2 2019	662	953,877	87,756,724	405	132,075
Q3 2019	685	985,802	90,693,740	108	132,372
Q4 2019	655	943,871	82,116,780	5,039	129,326
Q1 2020	480	682,527	62,110,000	1,824	129,326
Q2 2020	698	996,998	88,732,846	3,838	127,185
Q3 2020	669	955,928	87,945,333	1,099	131,401
Q4 2020	695	1,001,365	92,125,539	52	132,497
Q1 2021	708	1,019,733	91,776,000	0	129,603
Q2 2021	709	1,021,317	92,939,850	0	131,040
Q3 2021	615	884,934	81,413,897	0	132,475
Q4 2021	677	928,370	85,410,047	6,317	126,185
Q1 2022	633	1,291,661	80,082,987	5,280	124,320
Q2 2022	434	624,605	53,716,000	12,200	123,840
Q3 2022	365	514,501	46,283,000	3,004	124,994

Period	Average Flow (gpm)	Average Daily volume (gal)	Total Period Flow (gal)	Min off	Min on
Q4 2022	257	369,307	34,007,000	491	132,154
Q1 2023	305	434,900	37,841,000	323	123,817
Q2 2023	548	799,720	74,309,000	204	135,126
Q3 2023	560	806,666	72,430,000	102	130,998
Q4 2023	572	818,838	75,728,000	1,733	129,307
Q1 2024	642	915,413	79,922,000	1,336	123,944
Q2 2024	498	656,134	62,091,000	8,998*	126,218
Q3 2024	440	633,318	57,658,000	35	132,445
Q4 2024	709	977,100	88,790,000	5,457	125,646
Q1 2025	717	986,016	90,043,000	5,346	125,640
Q2 2025	704	990,222	89,306,000	2,777	126,683
Q3 2025	691	937,847	87,282,000	7,421	126,409
October 2025	704	1,012,600	30,378,000	0	43,170

**Acronyms:** gal – gallons      gpm – gallons per minute.

\* Planned system shut down to conduct system re-piping and install of GAC vessel bypass lines.

**Table 3  
Plant Daily Totalizer Readings**

October 2025 Flows						
Plant Influent			Plant Discharge		RW Discharge	
Date	Volume	Avg. Flow	Volume	Avg. Flow	Volume	Avg. Flow
10/01/25	-	731	-	717	-	701
10/02/25	1,039,000	722	1,024,000	711	998,000	693
10/03/25	1,047,000	727	1,002,000	696	1,005,000	698
10/06/25	3,135,000	726	3,084,000	714	3,016,000	698
10/07/25	933,000	662	923,000	655	900,000	638
10/08/25	948,000	658	935,000	649	910,000	632
10/09/25	1,060,000	721	1,038,000	706	1,020,000	694
10/10/25	968,000	701	954,000	691	930,000	674
10/13/25	3,173,000	724	3,121,000	713	3,052,000	697
10/14/25	1,049,000	728	1,031,000	716	1,002,000	696
10/15/25	1,035,000	719	1,018,000	707	996,000	692
10/16/25	1,023,000	710	1,007,000	699	986,000	685
10/17/25	1,036,000	719	1,017,000	706	992,000	689
10/20/25	3,076,000	722	3,022,000	709	2,949,000	692
10/21/25	1,065,000	740	1,049,000	728	1,022,000	710
10/22/25	1,093,000	729	1,077,000	718	1,048,000	699
10/23/25	979,000	709	959,000	695	940,000	681
10/24/25	1,027,000	713	1,007,000	699	986,000	685
10/27/25	3,103,000	718	3,054,000	707	2,983,000	691
10/28/25	1,064,000	724	1,045,000	711	1,023,000	696
10/29/25	1,000,000	694	983,000	683	960,000	667
10/30/25	1,078,000	719	1,056,000	704	1,032,000	688
10/31/25	983,000	712	972,000	704	947,000	686
October Total Plant Influent (Gal)				30,914,000		
October Total Plant Effluent (Gal)				30,378,000		
October Total RW Discharge (Gal)				29,697,000		

**Acronyms:** gal - gallons      gpm – gallons per minute

**Table 4  
Pump System Flow Readings**

<b>October 2025</b>	<b>On-Time Minutes (actual)</b>	<b>Avg. Flow (gpm)</b>	<b>Avg. Flow (gpd)</b>	<b>Total Flow (gal)</b>
<b>RW-1*</b>	0	NR	0	0
<b>RW-2*</b>	0	NR	0	0
<b>RW-3</b>	43,170	228	328,700	9,861,000
<b>RW-4</b>	42,522	247	349,967	10,499,000
<b>RW-5</b>	43,170	229	329,267	9,878,000
<b>RW Totals</b>	43,170	688	989,900	29,697,000
<b>Plant Influent</b>	43,170	716	1,030,467	30,914,000
<b>Plant Effluent</b>	43,170	704	1,012,600	30,378,000

**Acronyms:** gal - gallons      gpm – gallons per minute      gpd – gallons per day

The treatment process was online 30 days in October 2025 with no downtime.

RW-4 experienced random shutdowns between October 6 through October 7, 2025 due to a possible pump motor thermal overload. The pump restarts itself.

\* Offline aside from monthly process equipment test to check their functionality. There are no average gallons per day. Currently, both RW-1 and RW-2 remain offline without working electric motor controls to activate pumps.

**Table 5  
Claremont OU5 O&M Sampling/Measurement Program and Frequency**

Measurement / Analyte	Sampling Location			
	System Influent	Plant Discharge	Recovery Wells	Monitoring Wells
Flow	Daily	Daily	Daily	NA
pH	Quarterly	Weekly	Quarterly	Quarterly
VOCs (+Tert-Butyl-Methyl ether (MTBA) & Tert-butyl alcohol (TBA))	Quarterly	Monthly	Quarterly	Quarterly
Semi-Volatile Organic Compound (SVOC) Base Neutral & Acid Extractables (BNA)	Quarterly	Monthly	NS	NS
Per- and polyfluoroalkyl substances (PFAS)	Bi-Monthly	Bi-Monthly	NS	Quarterly <sup>(1)</sup>
1,4-Dioxane	Monthly	Monthly	NS	Quarterly <sup>(1)</sup>
Total Kjeldahl Nitrogen→ (TKN)	NS	Quarterly	NS	NS
Total Suspended Solids (TSS)	Quarterly	NS	Quarterly	NS
Total Organic Carbon (TOC)	Quarterly	NS	NS	NS
Total Dissolved Solids (TDS)	NS	Quarterly	NS	NS
Cyanide	NS	Quarterly	NS	NS
Hexavalent Chromium	NS	Quarterly	NS	NS
Mercury	NS	Quarterly	NS	NS
Metals	Quarterly	Quarterly	Quarterly	NS
Anions	NS	Quarterly	NS	NS

Notes: NA – Not applicable; NS – Not sampled. <sup>(1)</sup> – CPC wells only

**Table 6**  
**Plant Discharge Analytical Results**  
**October 2, 2025**

<b>Parameters</b>	<b>Discharge Limitations (SPDES)</b>	<b>Units</b>	<b>Results</b>
<i>pH (range)</i>	6.5 – 8.5	<i>su</i>	7.48
1,1,1-Trichloroethane	5	ug/l	U
1,1-Dichloroethane	5	ug/l	U
1,1-Dichloroethylene	5	ug/l	U
1,2- Dichloroethane	0.6	ug/l	U
Benzene	0.7	ug/l	U
Chlorobenzene	5	ug/l	U
Chloroform	7	ug/l	U
CIS 1,2-Dichloroethylene	5	ug/l	U
Ethylbenzene	5	ug/l	U
Methylene Chloride	5	ug/l	U
Tert-butyl alcohol (TBA)	Not indicated	ug/l	U
Tert-Butyl-Methyl ether (MTBA)	5	ug/l	U
Tetrachloroethylene (PCE)	5	ug/l	U
Toluene	5	ug/l	U
Trans 1,2-Dichloroethylene	5	ug/l	U
Trichloroethylene (TCE)	5	ug/l	U
Bis(2-ethylhexyl) phthalate	5	ug/l	U
Di-n-butyl phthalate	50	ug/l	U
Nitro Benzene	0.4	ug/l	U
Antimony, Total recoverable	3	ug/l	NS
Arsenic, Total recoverable	50	ug/l	NS
Barium, Total recoverable	2000	ug/l	NS
Chromium, Hexavalent	100	ug/l	NS
Lead, Total recoverable	50	ug/l	NS
Iron, Total recoverable	600	ug/l	NS
Manganese, Total recoverable	600	ug/l	NS
Mercury	Not indicated	ug/l	NS
Zinc	Not indicated	mg/l	NS
Nitrogen, Total (as N)	10	mg/l	NS
Selenium, Total recoverable	40	ug/l	NS
Solids, Total Dissolved	1000	mg/l	NS
Chloride Ion	NL	mg/l	NS
Cyanide	Not indicated	ug/l	NS
Fluoride Ion	NL	mg/l	NS

Parameters	Discharge Limitations (SPDES)	Units	Results
Sulfate Ion	NL	mg/l	NS
<p><b>J</b> – Estimated value <b>U</b> – Analyzed but not detected <b>NL</b> – Monitor only <b>NS</b>– Not sampled  <b>SPDES</b> – State Pollutant Discharge Elimination System  <b>ug/l</b> – micrograms per liter <b>ng/l</b> – nanograms per liter <b>mg/l</b> – milligrams per liter                      Discharge limitations updates as per the water discharge permit.                      Note: Parameters shaded in gray are analyzed quarterly with results generally being provided March, June, October, and December.</p>			

**Table 7  
Emerging Contaminant Analytical Results  
October 2, 2025**

Parameters	Guidance Values	Units	Influent Results	Effluent Results
PFOA	6.7 <sup>1</sup>	ng/l	45.9	46.8
PFOS	2.7 <sup>1</sup>	ng/l	16.3	16.4
1,4-Dioxane	0.35 <sup>1</sup>	ug/l	19	18

**J** – Estimated value **U** – Analyzed but not detected **ug/l** – micrograms per liter  
**ng/l** – nanograms per liter **x / x** – indicates primary/duplicate results **PFOA** - Perfluorooctanoic acid **PFOS** - Perfluorooctanesulfonic acid

<sup>1</sup> NYSDEC - 2023 Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) NO. 1.1.1.

**Table 8**  
**Effluent pH and Temperature Readings**

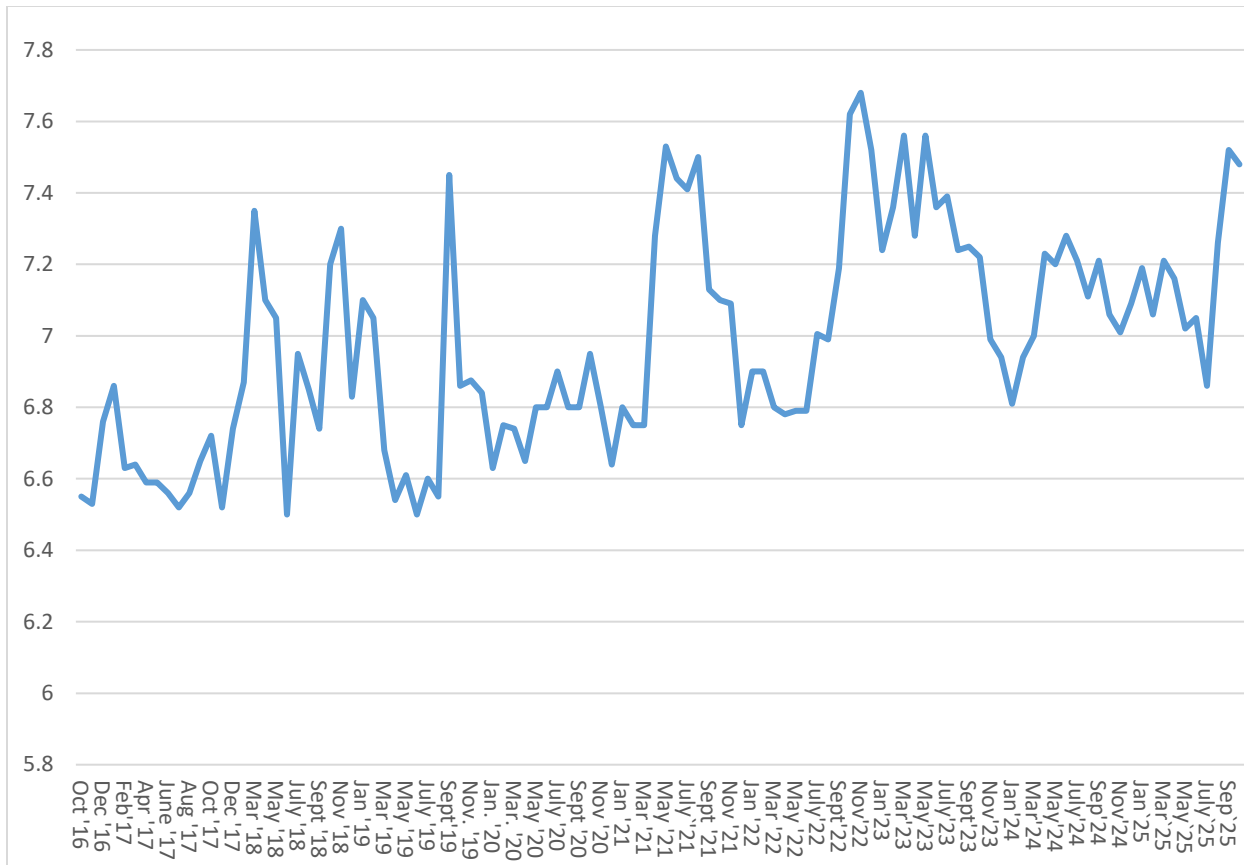
<b>Date</b>	<b>pH (su)</b>	<b>Temp ( ° C)</b>
10/01/25	7.21	16.9
10/09/25	7.34	17.6
10/15/25	7.14	17.2
10/24/25	7.80	16.2
10/27/25	7.92	15.1
<b>October Average</b>	<b>7.48 su</b>	<b>16.6 °C</b>

**Table 9**  
**Plant Discharge Monthly Average pH**

<b>Month</b>	<b>pH(su)</b>
Aug '19	6.56
Sept '19	7.45
Oct '19	6.86
Nov '19	6.88
Dec '19	6.84
Jan '20	6.63
Feb '20	6.75
Mar '20	6.74
Apr '20	6.65
May '20	6.8
June '20	6.8
July '20	6.9
Aug '20	6.8
Sept '20	6.8
Oct. '20	6.95
Nov '20	6.8
Dec '20	6.64
Jan '21	6.8
Feb '21	6.75
Mar '21	6.76
Apr '21	7.28
May '21	7.53
June '21	7.44
July '21	7.41
Aug '21	7.42
Sept '21	7.13
Oct '21	7.10
Nov '21	7.09
Dec '21	7.01
Jan '22	6.90
Feb '22	6.90
Mar '22	6.80
Apr '22	6.78
May '22	6.79
June '22	6.79
July '22	7.01
Aug '22	6.99
Sept '22	7.19
Oct '22	7.62
Nov '22	7.68
Dec '22	7.52

<b>Month</b>	<b>pH(su)</b>
Jan `23	7.24
Feb `23	7.36
Mar `23	7.56
Apr `23	7.28
May `23	7.56
June`23	7.36
July ` 23	7.39
Aug ` 23	7.24
Sept ` 23	7.25
Oct ` 23	7.22
Nov ` 23	6.99
Dec ` 23	6.94
Jan ` 24	6.81
Feb ` 24	6.94
Mar ` 24	7.00
Apr ` 24	7.23
May ` 24	7.20
Jun ` 24	7.28
July ` 24	7.21
Aug ` 24	7.11
Sep ` 24	7.21
Oct ` 24	7.06
Nov ` 24	7.01
Dec ` 24	7.09
Jan ` 25	7.19
Feb ` 25	7.06
Mar ` 25	7.21
Apr ` 25	7.16
May ` 25	7.02
Jun ` 25	7.05
July ` 25	6.86
Aug ` 25	7.26
Sep ` 25	7.52
Oct ` 25	7.48

### Plant Discharge Monthly Average pH Reading



**Table 10**  
**AS Tower Air Monitoring Readings**

<b>Recorded Date</b>	<b>Port B (ppm)</b>
10/01/25	0.0
10/08/25	0.0
10/15/25	0.0
10/24/25	0.1
10/27/25	0.1

**ATTACHMENT 1**  
**MONTHLY O&M SAMPLING ANALYTICAL RESULTS –OCTOBER 2, 2025**

October 27, 2025

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

Project Location: Old Bethpage, New York  
Client Job Number:  
Project Number: 130015  
Laboratory Work Order Number: 25J0245

Enclosed are results of analyses for samples as received by the laboratory on October 3, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

\_\_\_\_\_



Kyle A. Murray  
Project Manager

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

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

REPORT DATE: 10/27/2025

PURCHASE ORDER NUMBER: 151811

PROJECT NUMBER: 130015

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 25J0245

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

PROJECT LOCATION: Old Bethpage, New York

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
PD-CP-00-100225	25J0245-01	Ground Water		EPA 1633A SW-846 8260D SW-846 8270E	
PD-CP-01-100225	25J0245-02	Ground Water		EPA 1633A SW-846 8260D SW-846 8270E	
ASF-CP-00-100225	25J0245-03	Ground Water		EPA 1633A SW-846 8270E	
ASF-CP-01-100225	25J0245-04	Ground Water		EPA 1633A SW-846 8270E	
TB-100225	25J0245-05	Trip Blank Water		SW-846 8260D	



Pace Analytical Services, LLC - East Longmeadow, Ma

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

**CASE NARRATIVE SUMMARY**

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

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

EPA 1633A

**Qualifications:**

**PF-22**

Qualifier ion ratio >150% of associated calibration. Detection is suspect.

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

**Perfluoroheptanesulfonic acid (PFHpS)**

25J0245-04[ASF-CP-01-100225]

**SW-846 8260D**

**Qualifications:**

**L-07**

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

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

**Chloromethane**

B415134-BSD1

**MS-07A**

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

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

**Methyl Acetate**

B415134-MS1, B415134-MSD1

**MS-15**

Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.

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

**Chloromethane**

B415134-MS1, B415134-MSD1

**MS-24**

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

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

**2-Hexanone (MBK)**

B415134-MSD1

**V-05**

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

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

**1,2-Dibromo-3-chloropropane (DBCP)**

25J0245-05[TB-100225], B414872-BLK1, B414872-BS1, B414872-BSD1, S127022-CCV1

**Bromomethane**

25J0245-05[TB-100225], B414872-BLK1, B414872-BS1, B414872-BSD1, S127022-CCV1

**V-06**

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

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

**Chloromethane**

B414872-BS1, B414872-BSD1, S127022-CCV1

**V-20**

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

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

**Bromochloromethane**

S127174-CCV1

**Chloromethane**

S127174-CCV1

**Methyl Cyclohexane**

S127174-CCV1

**Tetrachloroethylene**

S127022-CCV1



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332  
SW-846 8270E

**Qualifications:****H-06**

Sample was extracted past the recommended holding time.

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

25J0245-01[PD-CP-00-100225]

**H-10**

Analysis was requested after the recommended holding time had passed.

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

25J0245-02[PD-CP-01-100225]

**L-04**

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

**Analyte & Samples(s) Qualified:****2,3,4,6-Tetrachlorophenol**

25J0245-01[PD-CP-00-100225]

**Caprolactam**

25J0245-01[PD-CP-00-100225], 25J0245-02[PD-CP-01-100225], B415679-BLK1, B415679-BS1, B415679-BSD1, B415980-BLK1, B415980-BS1, B415980-BSD1

**V-05**

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

**Analyte & Samples(s) Qualified:****2,3,4,6-Tetrachlorophenol**

B415679-BLK1, B415679-BS1, B415679-BSD1, S127503-CCV2

**Atrazine**

25J0245-01[PD-CP-00-100225], 25J0245-02[PD-CP-01-100225], B415679-BLK1, B415679-BS1, B415679-BSD1, B415980-BLK1, B415980-BS1, B415980-BSD1, S127503-CCV2, S127638-CCV2

**Caprolactam**

25J0245-01[PD-CP-00-100225], 25J0245-02[PD-CP-01-100225], B415679-BLK1, B415679-BS1, B415679-BSD1, B415980-BLK1, B415980-BS1, B415980-BSD1, S127503-CCV2, S127638-CCV2

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

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

Lisa A. Worthington  
Technical Representative

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

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25J0245

Date Received: 10/3/2025

Field Sample #: PD-CP-00-100225

Sampled: 10/2/2025 11:30

Sample ID: 25J0245-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF

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

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25J0245

Date Received: 10/3/2025

Field Sample #: PD-CP-00-100225

Sampled: 10/2/2025 11:30

Sample ID: 25J0245-01

Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:28	MFF
<b>Surrogates</b>		<b>% Recovery</b>		<b>Recovery Limits</b>		<b>Flag/Qual</b>			
1,2-Dichloroethane-d4		105		70-130				10/14/25 0:28	
Toluene-d8		99.0		70-130				10/14/25 0:28	
4-Bromofluorobenzene		93.9		70-130				10/14/25 0:28	

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

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25J0245

Date Received: 10/3/2025

Field Sample #: PD-CP-00-100225

Sampled: 10/2/2025 11:30

Sample ID: 25J0245-01

Sample Matrix: Ground Water

Sample Flags: H-06

Semivolatiles Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	18	µg/L	1	L-04	SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Atrazine	ND	18	µg/L	1	V-05	SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Benzaldehyde	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Biphenyl	ND	18	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Caprolactam	ND	9.0	µg/L	1	V-05, L-04	SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Acenaphthene	ND	4.5	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Acenaphthylene	ND	4.5	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Acetophenone	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Aniline	ND	18	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Anthracene	ND	4.5	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Benzo(a)anthracene	ND	4.5	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Benzo(a)pyrene	ND	4.5	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Benzo(b)fluoranthene	ND	4.5	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Benzo(g,h,i)perylene	ND	4.5	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Benzo(k)fluoranthene	ND	4.5	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Bis(2-chloroethoxy)methane	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Bis(2-chloroethyl)ether	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
2,2'-oxybis(1-Chloropropane)	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Bis(2-Ethylhexyl)phthalate	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
4-Bromophenylphenylether	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Butylbenzylphthalate	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Carbazole	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
4-Chloroaniline	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
4-Chloro-3-methylphenol	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
2-Chloronaphthalene	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
2-Chlorophenol	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
4-Chlorophenylphenylether	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Chrysene	ND	4.5	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Dibenz(a,h)anthracene	ND	4.5	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Dibenzofuran	ND	4.5	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Di-n-butylphthalate	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
3,3-Dichlorobenzidine	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
2,4-Dichlorophenol	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Diethylphthalate	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
2,4-Dimethylphenol	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Dimethylphthalate	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
4,6-Dinitro-2-methylphenol	ND	18	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
2,4-Dinitrophenol	ND	18	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
2,4-Dinitrotoluene	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
2,6-Dinitrotoluene	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Di-n-octylphthalate	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Fluoranthene	ND	4.5	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Fluorene	ND	4.5	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Hexachlorobenzene	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD

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

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25J0245

Date Received: 10/3/2025

Field Sample #: PD-CP-00-100225

Sampled: 10/2/2025 11:30

Sample ID: 25J0245-01

Sample Matrix: Ground Water

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Hexachlorocyclopentadiene	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Hexachloroethane	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Indeno(1,2,3-cd)pyrene	ND	4.5	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Isophorone	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
1-Methylnaphthalene	ND	4.5	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
2-Methylnaphthalene	ND	4.5	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
2-Methylphenol	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
3/4-Methylphenol	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Naphthalene	ND	4.5	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
2-Nitroaniline	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
3-Nitroaniline	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
4-Nitroaniline	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Nitrobenzene	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
2-Nitrophenol	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
4-Nitrophenol	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
N-Nitrosodiphenylamine/Diphenylamine	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
N-Nitrosodi-n-propylamine	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Pentachlorophenol	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Phenanthrene	ND	4.5	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Phenol	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Pyrene	ND	4.5	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
Pyridine	ND	18	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
1,2,4,5-Tetrachlorobenzene	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
2,4,5-Trichlorophenol	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD
2,4,6-Trichlorophenol	ND	9.0	µg/L	1		SW-846 8270E	10/21/25	10/22/25 12:38	CRD

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	47.4	15-110	10/22/25 12:38
Phenol-d6	29.5	15-110	10/22/25 12:38
Nitrobenzene-d5	77.6	30-130	10/22/25 12:38
2-Fluorobiphenyl	66.1	30-130	10/22/25 12:38
2,4,6-Tribromophenol	61.5	15-110	10/22/25 12:38
p-Terphenyl-d14	88.3	30-130	10/22/25 12:38



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

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25J0245

Date Received: 10/3/2025

Field Sample #: PD-CP-00-100225

Sampled: 10/2/2025 11:30

Sample ID: 25J0245-01

Sample Matrix: Ground Water

**1,4-Dioxane by isotope dilution GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	17	0.19	µg/L	1		SW-846 8270E	10/9/25	10/16/25 1:59	GJB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,4-Dioxane-d8	32.0	15-110			10/16/25 1:59				

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

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25J0245

Date Received: 10/3/2025

Field Sample #: PD-CP-00-100225

Sampled: 10/2/2025 11:30

Sample ID: 25J0245-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	40.6	5.63	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
Perfluoropentanoic acid (PFPeA)	19.2	2.82	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
Perfluorohexanoic acid (PFHxA)	24.1	1.41	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
Perfluoroheptanoic acid (PFHpA)	13.0	1.41	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
Perfluorooctanoic acid (PFOA)	45.5	1.41	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
Perfluorononanoic acid (PFNA)	29.1	1.41	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
Perfluorodecanoic acid (PFDA)	ND	1.41	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
Perfluoroundecanoic acid (PFUnA)	ND	1.41	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
Perfluorododecanoic acid (PFDoA)	ND	1.41	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
Perfluorotridecanoic acid (PFTrDA)	ND	1.41	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
Perfluorotetradecanoic acid (PFTeDA)	ND	1.41	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
Perfluorobutanesulfonic acid (PFBS)	4.11	1.41	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
Perfluoropentanesulfonic acid (PFPeS)	2.70	1.41	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
Perfluorohexanesulfonic acid (PFHxS)	7.83	1.41	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.41	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
Perfluorooctanesulfonic acid (PFOS)	15.6	1.41	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
Perfluorononanesulfonic acid (PFNS)	ND	1.41	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
Perfluorodecanesulfonic acid (PFDS)	ND	1.41	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
Perfluorododecanesulfonic acid (PFDoS)	ND	1.41	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	5.63	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	5.63	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	5.63	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
Perfluorooctanesulfonamide (PFOSA)	ND	1.41	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	1.41	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.41	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
N-MeFOSAA (NMeFOSAA)	ND	1.41	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
N-EtFOSAA (NEtFOSAA)	2.71	1.41	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	14.1	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	14.1	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	5.63	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	5.63	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
9Cl-PF3ONS (F53B Minor)	ND	5.63	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
11Cl-PF3OUdS (F53B Major)	ND	5.63	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
3-Perfluoropropyl propanoic acid (FPPrPA) (3:3FTCA)	ND	7.04	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	ND	35.2	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
3-Perfluoroheptyl propanoic acid (FHPrPA) (7:3FTCA)	ND	35.2	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.82	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.82	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML

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

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25J0245

Date Received: 10/3/2025

Field Sample #: PD-CP-00-100225

Sampled: 10/2/2025 11:30

Sample ID: 25J0245-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	2.82	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.82	ng/L	1		EPA 1633A	10/22/25	10/23/25 16:57	CML
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
13C4-PFBA	95.8		5-130				10/23/25 16:57		
13C5-PFPeA	99.3		40-130				10/23/25 16:57		
13C5-PFHxA	98.6		40-130				10/23/25 16:57		
13C4-PFHpA	99.2		40-130				10/23/25 16:57		
13C8-PFOA	94.7		40-130				10/23/25 16:57		
13C9-PFNA	94.5		40-130				10/23/25 16:57		
13C6-PFDA	87.1		40-130				10/23/25 16:57		
13C7-PFUnA	77.4		30-130				10/23/25 16:57		
13C2-PFD <sub>o</sub> A	67.0		10-130				10/23/25 16:57		
13C2-PFTeDA	63.3		10-130				10/23/25 16:57		
13C3-PFBS	93.9		40-135				10/23/25 16:57		
13C3-PFHxS	101		40-130				10/23/25 16:57		
13C8-PFOS	87.1		40-130				10/23/25 16:57		
13C2-4:2FTS	60.5		40-200				10/23/25 16:57		
13C2-6:2FTS	96.0		40-200				10/23/25 16:57		
13C2-8:2FTS	82.4		40-300				10/23/25 16:57		
13C8-PFOSA	79.6		40-130				10/23/25 16:57		
D3-NMeFOSA	62.9		10-130				10/23/25 16:57		
D5-NEtFOSA	56.9		10-130				10/23/25 16:57		
D3-NMeFOSAA	69.2		40-170				10/23/25 16:57		
D5-NEtFOSAA	61.6		25-135				10/23/25 16:57		
D7-NMeFOSE	57.5		10-130				10/23/25 16:57		
D9-NEtFOSE	56.6		10-130				10/23/25 16:57		
13C3-HFPO-DA	104		40-130				10/23/25 16:57		

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

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25J0245

Date Received: 10/3/2025

Field Sample #: PD-CP-01-100225

Sampled: 10/2/2025 11:30

Sample ID: 25J0245-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF

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

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25J0245

Date Received: 10/3/2025

Field Sample #: PD-CP-01-100225

Sampled: 10/2/2025 11:30

Sample ID: 25J0245-02

Sample Matrix: Ground Water

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	10/10/25	10/14/25 0:54	MFF
<b>Surrogates</b>		<b>% Recovery</b>		<b>Recovery Limits</b>		<b>Flag/Qual</b>			
1,2-Dichloroethane-d4		108		70-130				10/14/25 0:54	
Toluene-d8		99.3		70-130				10/14/25 0:54	
4-Bromofluorobenzene		92.7		70-130				10/14/25 0:54	

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

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25J0245

Date Received: 10/3/2025

Field Sample #: PD-CP-01-100225

Sampled: 10/2/2025 11:30

Sample ID: 25J0245-02

Sample Matrix: Ground Water

Sample Flags: H-10

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	18	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Atrazine	ND	18	µg/L	1	V-05	SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Benzaldehyde	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Biphenyl	ND	18	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Caprolactam	ND	8.9	µg/L	1	V-05, L-04	SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Acenaphthene	ND	4.5	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Acenaphthylene	ND	4.5	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Acetophenone	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Aniline	ND	18	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Anthracene	ND	4.5	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Benzo(a)anthracene	ND	4.5	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Benzo(a)pyrene	ND	4.5	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Benzo(b)fluoranthene	ND	4.5	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Benzo(g,h,i)perylene	ND	4.5	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Benzo(k)fluoranthene	ND	4.5	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Bis(2-chloroethoxy)methane	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Bis(2-chloroethyl)ether	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
2,2'-oxybis(1-Chloropropane)	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Bis(2-Ethylhexyl)phthalate	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
4-Bromophenylphenylether	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Butylbenzylphthalate	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Carbazole	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
4-Chloroaniline	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
4-Chloro-3-methylphenol	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
2-Chloronaphthalene	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
2-Chlorophenol	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
4-Chlorophenylphenylether	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Chrysene	ND	4.5	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Dibenz(a,h)anthracene	ND	4.5	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Dibenzofuran	ND	4.5	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Di-n-butylphthalate	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
3,3-Dichlorobenzidine	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
2,4-Dichlorophenol	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Diethylphthalate	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
2,4-Dimethylphenol	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Dimethylphthalate	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
4,6-Dinitro-2-methylphenol	ND	18	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
2,4-Dinitrophenol	ND	18	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
2,4-Dinitrotoluene	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
2,6-Dinitrotoluene	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Di-n-octylphthalate	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Fluoranthene	ND	4.5	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Fluorene	ND	4.5	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Hexachlorobenzene	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD

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

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25J0245

Date Received: 10/3/2025

Field Sample #: PD-CP-01-100225

Sampled: 10/2/2025 11:30

Sample ID: 25J0245-02

Sample Matrix: Ground Water

Sample Flags: H-10

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Hexachlorocyclopentadiene	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Hexachloroethane	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Indeno(1,2,3-cd)pyrene	ND	4.5	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Isophorone	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
1-Methylnaphthalene	ND	4.5	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
2-Methylnaphthalene	ND	4.5	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
2-Methylphenol	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
3/4-Methylphenol	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Naphthalene	ND	4.5	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
2-Nitroaniline	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
3-Nitroaniline	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
4-Nitroaniline	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Nitrobenzene	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
2-Nitrophenol	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
4-Nitrophenol	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
N-Nitrosodiphenylamine/Diphenylamine	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
N-Nitrosodi-n-propylamine	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Pentachlorophenol	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Phenanthrene	ND	4.5	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Phenol	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Pyrene	ND	4.5	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
Pyridine	ND	18	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
1,2,4,5-Tetrachlorobenzene	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
2,4,5-Trichlorophenol	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD
2,4,6-Trichlorophenol	ND	8.9	µg/L	1		SW-846 8270E	10/23/25	10/24/25 10:46	CRD

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	44.9	15-110	10/24/25 10:46
Phenol-d6	28.5	15-110	10/24/25 10:46
Nitrobenzene-d5	70.2	30-130	10/24/25 10:46
2-Fluorobiphenyl	67.5	30-130	10/24/25 10:46
2,4,6-Tribromophenol	64.6	15-110	10/24/25 10:46
p-Terphenyl-d14	99.4	30-130	10/24/25 10:46



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

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25J0245

Date Received: 10/3/2025

Field Sample #: PD-CP-01-100225

Sampled: 10/2/2025 11:30

Sample ID: 25J0245-02

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	18	0.19	µg/L	1		SW-846 8270E	10/9/25	10/21/25 20:46	GJB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
1,4-Dioxane-d8	29.7		15-110					10/21/25 20:46	

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

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25J0245

Date Received: 10/3/2025

Field Sample #: PD-CP-01-100225

Sampled: 10/2/2025 11:30

Sample ID: 25J0245-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	35.9	5.61	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
Perfluoropentanoic acid (PFPeA)	19.1	2.80	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
Perfluorohexanoic acid (PFHxA)	24.6	1.40	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
Perfluoroheptanoic acid (PFHpA)	12.7	1.40	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
Perfluorooctanoic acid (PFOA)	46.8	1.40	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
Perfluorononanoic acid (PFNA)	28.4	1.40	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
Perfluorodecanoic acid (PFDA)	ND	1.40	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
Perfluoroundecanoic acid (PFUnA)	ND	1.40	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
Perfluorododecanoic acid (PFDoA)	ND	1.40	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
Perfluorotridecanoic acid (PFTrDA)	ND	1.40	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
Perfluorotetradecanoic acid (PFTeDA)	ND	1.40	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
Perfluorobutanesulfonic acid (PFBS)	4.13	1.40	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
Perfluoropentanesulfonic acid (PFPeS)	2.74	1.40	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
Perfluorohexanesulfonic acid (PFHxS)	8.54	1.40	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.40	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
Perfluorooctanesulfonic acid (PFOS)	16.4	1.40	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
Perfluorononanesulfonic acid (PFNS)	ND	1.40	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
Perfluorodecanesulfonic acid (PFDS)	ND	1.40	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
Perfluorododecanesulfonic acid (PFDoS)	ND	1.40	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	5.61	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	5.61	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	5.61	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
Perfluorooctanesulfonamide (PFOSA)	ND	1.40	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	1.40	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.40	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
N-MeFOSAA (NMeFOSAA)	ND	1.40	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
N-EtFOSAA (NEtFOSAA)	3.66	1.40	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	14.0	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	14.0	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	5.61	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	5.61	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
9Cl-PF3ONS (F53B Minor)	ND	5.61	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
11Cl-PF3OUdS (F53B Major)	ND	5.61	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
3-Perfluoropropyl propanoic acid (FPPrPA) (3:3FTCA)	ND	7.01	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	35.1	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
3-Perfluoroheptyl propanoic acid (FHPrPA) (7:3FTCA)	ND	35.1	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.80	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.80	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML

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

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25J0245

Date Received: 10/3/2025

Field Sample #: PD-CP-01-100225

Sampled: 10/2/2025 11:30

Sample ID: 25J0245-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	2.80	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.80	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:28	CML
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
13C4-PFBA	88.1		5-130				10/23/25 17:28		
13C5-PFPeA	90.8		40-130				10/23/25 17:28		
13C5-PFHxA	85.4		40-130				10/23/25 17:28		
13C4-PFHpA	88.8		40-130				10/23/25 17:28		
13C8-PFOA	84.6		40-130				10/23/25 17:28		
13C9-PFNA	81.1		40-130				10/23/25 17:28		
13C6-PFDA	71.3		40-130				10/23/25 17:28		
13C7-PFUnA	58.6		30-130				10/23/25 17:28		
13C2-PFDoA	60.4		10-130				10/23/25 17:28		
13C2-PFTeDA	49.3		10-130				10/23/25 17:28		
13C3-PFBS	83.3		40-135				10/23/25 17:28		
13C3-PFHxS	86.8		40-130				10/23/25 17:28		
13C8-PFOS	71.8		40-130				10/23/25 17:28		
13C2-4:2FTS	56.8		40-200				10/23/25 17:28		
13C2-6:2FTS	94.3		40-200				10/23/25 17:28		
13C2-8:2FTS	59.5		40-300				10/23/25 17:28		
13C8-PFOA	72.4		40-130				10/23/25 17:28		
D3-NMeFOSA	56.0		10-130				10/23/25 17:28		
D5-NEtFOSA	52.4		10-130				10/23/25 17:28		
D3-NMeFOSAA	53.2		40-170				10/23/25 17:28		
D5-NEtFOSAA	43.8		25-135				10/23/25 17:28		
D7-NMeFOSE	51.2		10-130				10/23/25 17:28		
D9-NEtFOSE	54.4		10-130				10/23/25 17:28		
13C3-HFPO-DA	92.6		40-130				10/23/25 17:28		

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

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25J0245

Date Received: 10/3/2025

Field Sample #: ASF-CP-00-100225

Sampled: 10/2/2025 11:00

Sample ID: 25J0245-03

Sample Matrix: Ground Water

**1,4-Dioxane by isotope dilution GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	18	0.19	µg/L	1		SW-846 8270E	10/9/25	10/21/25 21:07	GJB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
1,4-Dioxane-d8	30.4		15-110					10/21/25 21:07	

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

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25J0245

Date Received: 10/3/2025

Field Sample #: ASF-CP-00-100225

Sampled: 10/2/2025 11:00

Sample ID: 25J0245-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	39.2	5.56	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
Perfluoropentanoic acid (PFPeA)	19.6	2.78	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
Perfluorohexanoic acid (PFHxA)	23.5	1.39	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
Perfluoroheptanoic acid (PFHpA)	12.8	1.39	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
Perfluorooctanoic acid (PFOA)	44.9	1.39	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
Perfluorononanoic acid (PFNA)	27.7	1.39	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
Perfluorodecanoic acid (PFDA)	ND	1.39	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
Perfluoroundecanoic acid (PFUnA)	ND	1.39	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
Perfluorododecanoic acid (PFDoA)	ND	1.39	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
Perfluorotridecanoic acid (PFTrDA)	ND	1.39	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
Perfluorotetradecanoic acid (PFTeDA)	ND	1.39	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
Perfluorobutanesulfonic acid (PFBS)	4.10	1.39	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
Perfluoropentanesulfonic acid (PFPeS)	2.80	1.39	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
Perfluorohexanesulfonic acid (PFHxS)	8.25	1.39	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.39	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
Perfluorooctanesulfonic acid (PFOS)	15.2	1.39	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
Perfluorononanesulfonic acid (PFNS)	ND	1.39	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
Perfluorodecanesulfonic acid (PFDS)	ND	1.39	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
Perfluorododecanesulfonic acid (PFDoS)	ND	1.39	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	5.56	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	5.56	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	5.56	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
Perfluorooctanesulfonamide (PFOSA)	ND	1.39	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	1.39	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.39	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
N-MeFOSAA (NMeFOSAA)	ND	1.39	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
N-EtFOSAA (NEtFOSAA)	2.39	1.39	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	13.9	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	13.9	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	5.56	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	5.56	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
9Cl-PF3ONS (F53B Minor)	ND	5.56	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
11Cl-PF3OUdS (F53B Major)	ND	5.56	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
3-Perfluoropropyl propanoic acid (FPPrPA) (3:3FTCA)	ND	6.95	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	ND	34.8	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
3-Perfluoroheptyl propanoic acid (FHPrPA) (7:3FTCA)	ND	34.8	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.78	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.78	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML

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

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25J0245

Date Received: 10/3/2025

Field Sample #: ASF-CP-00-100225

Sampled: 10/2/2025 11:00

Sample ID: 25J0245-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	2.78	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.78	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:37	CML
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
13C4-PFBA	91.5	5-130			10/23/25 17:37				
13C5-PFPeA	94.6	40-130			10/23/25 17:37				
13C5-PFHxA	94.0	40-130			10/23/25 17:37				
13C4-PFHpA	94.1	40-130			10/23/25 17:37				
13C8-PFOA	94.6	40-130			10/23/25 17:37				
13C9-PFNA	90.6	40-130			10/23/25 17:37				
13C6-PFDA	81.6	40-130			10/23/25 17:37				
13C7-PFUnA	70.4	30-130			10/23/25 17:37				
13C2-PFD <sub>o</sub> A	60.3	10-130			10/23/25 17:37				
13C2-PFTeDA	50.5	10-130			10/23/25 17:37				
13C3-PFBS	89.0	40-135			10/23/25 17:37				
13C3-PFHxS	96.0	40-130			10/23/25 17:37				
13C8-PFOS	79.5	40-130			10/23/25 17:37				
13C2-4:2FTS	60.7	40-200			10/23/25 17:37				
13C2-6:2FTS	86.4	40-200			10/23/25 17:37				
13C2-8:2FTS	79.6	40-300			10/23/25 17:37				
13C8-PFOSA	70.3	40-130			10/23/25 17:37				
D3-NMeFOSA	63.6	10-130			10/23/25 17:37				
D5-NEtFOSA	59.7	10-130			10/23/25 17:37				
D3-NMeFOSAA	65.4	40-170			10/23/25 17:37				
D5-NEtFOSAA	56.9	25-135			10/23/25 17:37				
D7-NMeFOSE	58.5	10-130			10/23/25 17:37				
D9-NEtFOSE	55.2	10-130			10/23/25 17:37				
13C3-HFPO-DA	96.6	40-130			10/23/25 17:37				



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

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25J0245

Date Received: 10/3/2025

Field Sample #: ASF-CP-01-100225

Sampled: 10/2/2025 11:00

Sample ID: 25J0245-04

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	19	0.19	µg/L	1		SW-846 8270E	10/9/25	10/21/25 21:28	GJB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
1,4-Dioxane-d8	29.8		15-110					10/21/25 21:28	

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

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25J0245

Date Received: 10/3/2025

Field Sample #: ASF-CP-01-100225

Sampled: 10/2/2025 11:00

Sample ID: 25J0245-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	41.8	5.66	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
Perfluoropentanoic acid (PFPeA)	20.0	2.83	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
Perfluorohexanoic acid (PFHxA)	25.8	1.42	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
Perfluoroheptanoic acid (PFHpA)	13.6	1.42	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
Perfluorooctanoic acid (PFOA)	45.9	1.42	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
Perfluorononanoic acid (PFNA)	29.4	1.42	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
Perfluorodecanoic acid (PFDA)	ND	1.42	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
Perfluoroundecanoic acid (PFUnA)	ND	1.42	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
Perfluorododecanoic acid (PFDoA)	ND	1.42	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
Perfluorotridecanoic acid (PFTrDA)	ND	1.42	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
Perfluorotetradecanoic acid (PFTeDA)	ND	1.42	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
Perfluorobutanesulfonic acid (PFBS)	4.25	1.42	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
Perfluoropentanesulfonic acid (PFPeS)	3.07	1.42	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
Perfluorohexanesulfonic acid (PFHxS)	8.86	1.42	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.42	ng/L	1	PF-22	EPA 1633A	10/22/25	10/23/25 17:46	CML
Perfluorooctanesulfonic acid (PFOS)	16.3	1.42	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
Perfluorononanesulfonic acid (PFNS)	ND	1.42	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
Perfluorodecanesulfonic acid (PFDS)	ND	1.42	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
Perfluorododecanesulfonic acid (PFDoS)	ND	1.42	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	5.66	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	5.66	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	5.66	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
Perfluorooctanesulfonamide (PFOSA)	ND	1.42	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	1.42	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.42	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
N-MeFOSAA (NMeFOSAA)	ND	1.42	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
N-EtFOSAA (NEtFOSAA)	1.96	1.42	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	14.2	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	14.2	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	5.66	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	5.66	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
9Cl-PF3ONS (F53B Minor)	ND	5.66	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
11Cl-PF3OUdS (F53B Major)	ND	5.66	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
3-Perfluoropropyl propanoic acid (FPPrPA) (3:3FTCA)	ND	7.08	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	ND	35.4	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
3-Perfluoroheptyl propanoic acid (FHPrPA) (7:3FTCA)	ND	35.4	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.83	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.83	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML

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

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25J0245

Date Received: 10/3/2025

Field Sample #: ASF-CP-01-100225

Sampled: 10/2/2025 11:00

Sample ID: 25J0245-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	2.83	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.83	ng/L	1		EPA 1633A	10/22/25	10/23/25 17:46	CML
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
13C4-PFBA	73.6		5-130				10/23/25 17:46		
13C5-PFPeA	74.7		40-130				10/23/25 17:46		
13C5-PFHxA	75.8		40-130				10/23/25 17:46		
13C4-PFHpA	76.2		40-130				10/23/25 17:46		
13C8-PFOA	73.2		40-130				10/23/25 17:46		
13C9-PFNA	71.4		40-130				10/23/25 17:46		
13C6-PFDA	70.5		40-130				10/23/25 17:46		
13C7-PFUnA	64.8		30-130				10/23/25 17:46		
13C2-PFDoA	57.7		10-130				10/23/25 17:46		
13C2-PFTeDA	52.5		10-130				10/23/25 17:46		
13C3-PFBS	70.5		40-135				10/23/25 17:46		
13C3-PFHxS	74.7		40-130				10/23/25 17:46		
13C8-PFOS	64.4		40-130				10/23/25 17:46		
13C2-4:2FTS	49.1		40-200				10/23/25 17:46		
13C2-6:2FTS	71.6		40-200				10/23/25 17:46		
13C2-8:2FTS	67.5		40-300				10/23/25 17:46		
13C8-PFOA	55.3		40-130				10/23/25 17:46		
D3-NMeFOSA	53.8		10-130				10/23/25 17:46		
D5-NEtFOSA	52.4		10-130				10/23/25 17:46		
D3-NMeFOSAA	55.3		40-170				10/23/25 17:46		
D5-NEtFOSAA	51.1		25-135				10/23/25 17:46		
D7-NMeFOSE	51.5		10-130				10/23/25 17:46		
D9-NEtFOSE	48.2		10-130				10/23/25 17:46		
13C3-HFPO-DA	78.3		40-130				10/23/25 17:46		

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

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25J0245

Date Received: 10/3/2025

Field Sample #: TB-100225

Sampled: 10/2/2025 00:00

Sample ID: 25J0245-05

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Bromomethane	ND	5.0	µg/L	1	V-05	SW-846 8260D	10/3/25	10/8/25 12:00	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1	V-05	SW-846 8260D	10/3/25	10/8/25 12:00	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Methyl Acetate	ND	2.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD

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

Project Location: Old Bethpage, New York

Sample Description:

Work Order: 25J0245

Date Received: 10/3/2025

Field Sample #: TB-100225

Sampled: 10/2/2025 00:00

Sample ID: 25J0245-05

Sample Matrix: Trip Blank Water

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
Xylenes (total)	ND	1.0	µg/L	1		SW-846 8260D	10/3/25	10/8/25 12:00	LBD
<b>Surrogates</b>		<b>% Recovery</b>		<b>Recovery Limits</b>		<b>Flag/Qual</b>			
1,2-Dichloroethane-d4		96.0		70-130				10/8/25 12:00	
Toluene-d8		96.8		70-130				10/8/25 12:00	
4-Bromofluorobenzene		102		70-130				10/8/25 12:00	

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

**Sample Extraction Data**

**Prep Method:EPA 1633 Analytical Method:EPA 1633A**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25J0245-01 [PD-CP-00-100225]	B415105	284	4.00	10/22/25
25J0245-02 [PD-CP-01-100225]	B415105	285	4.00	10/22/25
25J0245-03 [ASF-CP-00-100225]	B415105	288	4.00	10/22/25
25J0245-04 [ASF-CP-01-100225]	B415105	282	4.00	10/22/25

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25J0245-05 [TB-100225]	B414872	5	5.00	10/03/25

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25J0245-01 [PD-CP-00-100225]	B415134	5	5.00	10/10/25
25J0245-02 [PD-CP-01-100225]	B415134	5	5.00	10/10/25

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25J0245-01 [PD-CP-00-100225]	B415031	1050	1.00	10/09/25
25J0245-02 [PD-CP-01-100225]	B415031	1040	1.00	10/09/25
25J0245-03 [ASF-CP-00-100225]	B415031	1040	1.00	10/09/25
25J0245-04 [ASF-CP-01-100225]	B415031	1050	1.00	10/09/25

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25J0245-01 [PD-CP-00-100225]	B415679	111	1.00	10/21/25

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25J0245-02 [PD-CP-01-100225]	B415980	112	1.00	10/23/25

**QUALITY CONTROL**

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B414872 - SW-846 5030B**

**Blank (B414872-BLK1)**

Prepared & Analyzed: 10/08/25

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

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**QUALITY CONTROL**

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B414872 - SW-846 5030B</b>										
<b>Blank (B414872-BLK1)</b>										
Prepared & Analyzed: 10/08/25										
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	23.6		µg/L	25.00		94.3	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.00		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	26.0		µg/L	25.00		104	70-130			
<b>LCS (B414872-BS1)</b>										
Prepared & Analyzed: 10/08/25										
Acetone	98.2	50	µg/L	100.0		98.2	70-160			†
Benzene	9.56	1.0	µg/L	10.00		95.6	70-130			
Bromochloromethane	9.58	1.0	µg/L	10.00		95.8	70-130			
Bromodichloromethane	9.65	0.50	µg/L	10.00		96.5	70-130			
Bromoform	9.68	1.0	µg/L	10.00		96.8	70-130			
Bromomethane	6.92	2.0	µg/L	10.00		69.2	40-160	V-05		†
2-Butanone (MEK)	104	20	µg/L	100.0		104	40-160			†
n-Butylbenzene	9.76	1.0	µg/L	10.00		97.6	70-130			
sec-Butylbenzene	9.55	1.0	µg/L	10.00		95.5	70-130			
tert-Butylbenzene	9.65	1.0	µg/L	10.00		96.5	70-130			
Carbon Disulfide	90.6	5.0	µg/L	100.0		90.6	70-130			
Carbon Tetrachloride	8.52	5.0	µg/L	10.00		85.2	70-130			
Chlorobenzene	11.4	1.0	µg/L	10.00		114	70-130			
Chlorodibromomethane	10.1	0.50	µg/L	10.00		101	70-130			
Chloroethane	9.53	2.0	µg/L	10.00		95.3	70-130			
Chloroform	9.63	2.0	µg/L	10.00		96.3	70-130			
Chloromethane	13.2	2.0	µg/L	10.00		132	40-160	V-06		†
Cyclohexane	10.7	5.0	µg/L	10.00		107	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.12	5.0	µg/L	10.00		81.2	70-130	V-05		
1,2-Dibromoethane (EDB)	10.9	0.50	µg/L	10.00		109	70-130			
1,2-Dichlorobenzene	10.6	1.0	µg/L	10.00		106	70-130			
1,3-Dichlorobenzene	10.5	1.0	µg/L	10.00		105	70-130			
1,4-Dichlorobenzene	10.2	1.0	µg/L	10.00		102	70-130			
Dichlorodifluoromethane (Freon 12)	9.54	2.0	µg/L	10.00		95.4	40-160			†
1,1-Dichloroethane	9.70	1.0	µg/L	10.00		97.0	70-130			
1,2-Dichloroethane	9.80	1.0	µg/L	10.00		98.0	70-130			
1,1-Dichloroethylene	9.31	1.0	µg/L	10.00		93.1	70-130			
cis-1,2-Dichloroethylene	10.0	1.0	µg/L	10.00		100	70-130			
trans-1,2-Dichloroethylene	9.65	1.0	µg/L	10.00		96.5	70-130			
1,2-Dichloropropane	10.5	1.0	µg/L	10.00		105	70-130			
cis-1,3-Dichloropropene	9.33	0.50	µg/L	10.00		93.3	70-130			
trans-1,3-Dichloropropene	8.89	0.50	µg/L	10.00		88.9	70-130			
Ethylbenzene	10.8	1.0	µg/L	10.00		108	70-130			
2-Hexanone (MBK)	114	10	µg/L	100.0		114	70-160			†
Isopropylbenzene (Cumene)	10.8	1.0	µg/L	10.00		108	70-130			
p-Isopropyltoluene (p-Cymene)	10.1	1.0	µg/L	10.00		101	70-130			
Methyl Acetate	9.75	1.0	µg/L	10.00		97.5	70-130			
Methyl tert-Butyl Ether (MTBE)	9.50	1.0	µg/L	10.00		95.0	70-130			

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**QUALITY CONTROL**

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B414872 - SW-846 5030B</b>										
<b>LCS (B414872-BS1)</b>										
Prepared & Analyzed: 10/08/25										
Methyl Cyclohexane	10.8	1.0	µg/L	10.00		108	70-130			
Methylene Chloride	8.30	5.0	µg/L	10.00		83.0	70-130			
4-Methyl-2-pentanone (MIBK)	111	10	µg/L	100.0		111	70-160			†
Naphthalene	8.83	2.0	µg/L	10.00		88.3	40-130			†
n-Propylbenzene	10.9	1.0	µg/L	10.00		109	70-130			
Styrene	11.0	1.0	µg/L	10.00		110	70-130			
1,1,2,2-Tetrachloroethane	11.3	0.50	µg/L	10.00		113	70-130			
Tetrachloroethylene	12.6	1.0	µg/L	10.00		126	70-130			
Toluene	10.6	1.0	µg/L	10.00		106	70-130			
1,2,3-Trichlorobenzene	9.94	5.0	µg/L	10.00		99.4	70-130			
1,2,4-Trichlorobenzene	10.9	1.0	µg/L	10.00		109	70-130			
1,1,1-Trichloroethane	8.98	1.0	µg/L	10.00		89.8	70-130			
1,1,2-Trichloroethane	10.8	1.0	µg/L	10.00		108	70-130			
Trichloroethylene	10.8	1.0	µg/L	10.00		108	70-130			
Trichlorofluoromethane (Freon 11)	9.04	2.0	µg/L	10.00		90.4	70-130			
1,2,3-Trichloropropane	11.4	2.0	µg/L	10.00		114	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.99	1.0	µg/L	10.00		99.9	70-130			
1,2,4-Trimethylbenzene	9.55	1.0	µg/L	10.00		95.5	70-130			
1,3,5-Trimethylbenzene	10.8	1.0	µg/L	10.00		108	70-130			
Vinyl Chloride	10.1	2.0	µg/L	10.00		101	40-160			†
m+p Xylene	21.2	2.0	µg/L	20.00		106	70-130			
o-Xylene	10.7	1.0	µg/L	10.00		107	70-130			
Xylenes (total)	31.9	1.0	µg/L	30.00		106	0-200			
Surrogate: 1,2-Dichloroethane-d4	22.8		µg/L	25.00		91.3	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.00		101	70-130			
Surrogate: 4-Bromofluorobenzene	26.8		µg/L	25.00		107	70-130			
<b>LCS Dup (B414872-BS1)</b>										
Prepared & Analyzed: 10/08/25										
Acetone	96.4	50	µg/L	100.0		96.4	70-160	1.83	25	†
Benzene	9.60	1.0	µg/L	10.00		96.0	70-130	0.418	25	
Bromochloromethane	9.66	1.0	µg/L	10.00		96.6	70-130	0.832	25	
Bromodichloromethane	9.49	0.50	µg/L	10.00		94.9	70-130	1.67	25	
Bromoform	9.68	1.0	µg/L	10.00		96.8	70-130	0.00	25	
Bromomethane	6.63	2.0	µg/L	10.00		66.3	40-160	4.28	25	V-05 †
2-Butanone (MEK)	104	20	µg/L	100.0		104	40-160	0.481	25	†
n-Butylbenzene	9.26	1.0	µg/L	10.00		92.6	70-130	5.26	25	
sec-Butylbenzene	9.20	1.0	µg/L	10.00		92.0	70-130	3.73	25	
tert-Butylbenzene	9.42	1.0	µg/L	10.00		94.2	70-130	2.41	25	
Carbon Disulfide	88.6	5.0	µg/L	100.0		88.6	70-130	2.22	25	
Carbon Tetrachloride	8.40	5.0	µg/L	10.00		84.0	70-130	1.42	25	
Chlorobenzene	11.2	1.0	µg/L	10.00		112	70-130	2.04	25	
Chlorodibromomethane	9.77	0.50	µg/L	10.00		97.7	70-130	2.92	25	
Chloroethane	9.78	2.0	µg/L	10.00		97.8	70-130	2.59	25	
Chloroform	9.52	2.0	µg/L	10.00		95.2	70-130	1.15	25	
Chloromethane	12.4	2.0	µg/L	10.00		124	40-160	6.00	25	V-06 †
Cyclohexane	10.3	5.0	µg/L	10.00		103	70-130	3.73	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.28	5.0	µg/L	10.00		82.8	70-130	1.95	25	V-05
1,2-Dibromoethane (EDB)	10.9	0.50	µg/L	10.00		109	70-130	0.00	25	
1,2-Dichlorobenzene	10.0	1.0	µg/L	10.00		100	70-130	5.24	25	
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.00		102	70-130	3.10	25	
1,4-Dichlorobenzene	9.92	1.0	µg/L	10.00		99.2	70-130	2.78	25	
Dichlorodifluoromethane (Freon 12)	9.25	2.0	µg/L	10.00		92.5	40-160	3.09	25	†

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**QUALITY CONTROL**

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B414872 - SW-846 5030B</b>										
<b>LCS Dup (B414872-BSD1)</b>										
Prepared & Analyzed: 10/08/25										
1,1-Dichloroethane	9.29	1.0	µg/L	10.00		92.9	70-130	4.32	25	
1,2-Dichloroethane	9.47	1.0	µg/L	10.00		94.7	70-130	3.43	25	
1,1-Dichloroethylene	9.07	1.0	µg/L	10.00		90.7	70-130	2.61	25	
cis-1,2-Dichloroethylene	9.74	1.0	µg/L	10.00		97.4	70-130	2.73	25	
trans-1,2-Dichloroethylene	9.31	1.0	µg/L	10.00		93.1	70-130	3.59	25	
1,2-Dichloropropane	10.6	1.0	µg/L	10.00		106	70-130	1.52	25	
cis-1,3-Dichloropropene	9.09	0.50	µg/L	10.00		90.9	70-130	2.61	25	
trans-1,3-Dichloropropene	8.96	0.50	µg/L	10.00		89.6	70-130	0.784	25	
Ethylbenzene	10.6	1.0	µg/L	10.00		106	70-130	2.15	25	
2-Hexanone (MBK)	111	10	µg/L	100.0		111	70-160	3.13	25	†
Isopropylbenzene (Cumene)	10.6	1.0	µg/L	10.00		106	70-130	2.43	25	
p-Isopropyltoluene (p-Cymene)	9.63	1.0	µg/L	10.00		96.3	70-130	4.37	25	
Methyl Acetate	9.67	1.0	µg/L	10.00		96.7	70-130	0.824	25	
Methyl tert-Butyl Ether (MTBE)	9.18	1.0	µg/L	10.00		91.8	70-130	3.43	25	
Methyl Cyclohexane	10.8	1.0	µg/L	10.00		108	70-130	0.00	25	
Methylene Chloride	8.24	5.0	µg/L	10.00		82.4	70-130	0.726	25	
4-Methyl-2-pentanone (MIBK)	109	10	µg/L	100.0		109	70-160	1.55	25	†
Naphthalene	8.49	2.0	µg/L	10.00		84.9	40-130	3.93	25	†
n-Propylbenzene	10.7	1.0	µg/L	10.00		107	70-130	1.20	25	
Styrene	10.8	1.0	µg/L	10.00		108	70-130	1.19	25	
1,1,2,2-Tetrachloroethane	11.2	0.50	µg/L	10.00		112	70-130	0.801	25	
Tetrachloroethylene	12.1	1.0	µg/L	10.00		121	70-130	3.73	25	
Toluene	10.4	1.0	µg/L	10.00		104	70-130	2.28	25	
1,2,3-Trichlorobenzene	9.52	5.0	µg/L	10.00		95.2	70-130	4.32	25	
1,2,4-Trichlorobenzene	10.3	1.0	µg/L	10.00		103	70-130	5.29	25	
1,1,1-Trichloroethane	8.76	1.0	µg/L	10.00		87.6	70-130	2.48	25	
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.00		104	70-130	3.40	25	
Trichloroethylene	10.5	1.0	µg/L	10.00		105	70-130	2.81	25	
Trichlorofluoromethane (Freon 11)	8.70	2.0	µg/L	10.00		87.0	70-130	3.83	25	
1,2,3-Trichloropropane	10.9	2.0	µg/L	10.00		109	70-130	4.49	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.81	1.0	µg/L	10.00		98.1	70-130	1.82	25	
1,2,4-Trimethylbenzene	9.28	1.0	µg/L	10.00		92.8	70-130	2.87	25	
1,3,5-Trimethylbenzene	10.6	1.0	µg/L	10.00		106	70-130	2.05	25	
Vinyl Chloride	9.62	2.0	µg/L	10.00		96.2	40-160	4.57	25	†
m+p Xylene	20.6	2.0	µg/L	20.00		103	70-130	3.16	25	
o-Xylene	10.4	1.0	µg/L	10.00		104	70-130	2.66	25	
Xylenes (total)	31.0	1.0	µg/L	30.00		103	0-200	2.99		
Surrogate: 1,2-Dichloroethane-d4	23.2		µg/L	25.00		92.6	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.00		101	70-130			
Surrogate: 4-Bromofluorobenzene	27.2		µg/L	25.00		109	70-130			

**Batch B415134 - SW-846 5030B**

**Blank (B415134-BLK1)**

Prepared: 10/10/25 Analyzed: 10/13/25

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

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**QUALITY CONTROL**

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B415134 - SW-846 5030B**

**Blank (B415134-BLK1)**

Prepared: 10/10/25 Analyzed: 10/13/25

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

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**QUALITY CONTROL**

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B415134 - SW-846 5030B</b>										
<b>Blank (B415134-BLK1)</b>										
Prepared: 10/10/25 Analyzed: 10/13/25										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	26.7		µg/L	25.00		107	70-130			
Surrogate: Toluene-d8	24.3		µg/L	25.00		97.3	70-130			
Surrogate: 4-Bromofluorobenzene	23.3		µg/L	25.00		93.1	70-130			
<b>LCS (B415134-BS1)</b>										
Prepared: 10/10/25 Analyzed: 10/13/25										
Acetone	92.7	50	µg/L	100.0		92.7	70-160			†
Benzene	11.4	1.0	µg/L	10.00		114	70-130			
Bromochloromethane	12.6	1.0	µg/L	10.00		126	70-130			
Bromodichloromethane	11.2	0.50	µg/L	10.00		112	70-130			
Bromoform	10.0	1.0	µg/L	10.00		100	70-130			
Bromomethane	9.17	2.0	µg/L	10.00		91.7	40-160			†
2-Butanone (MEK)	95.7	20	µg/L	100.0		95.7	40-160			†
n-Butylbenzene	10.1	1.0	µg/L	10.00		101	70-130			
sec-Butylbenzene	10.7	1.0	µg/L	10.00		107	70-130			
tert-Butylbenzene	11.0	1.0	µg/L	10.00		110	70-130			
Carbon Disulfide	95.4	5.0	µg/L	100.0		95.4	70-130			
Carbon Tetrachloride	11.6	5.0	µg/L	10.00		116	70-130			
Chlorobenzene	11.2	1.0	µg/L	10.00		112	70-130			
Chlorodibromomethane	10.6	0.50	µg/L	10.00		106	70-130			
Chloroethane	10.2	2.0	µg/L	10.00		102	70-130			
Chloroform	11.3	2.0	µg/L	10.00		113	70-130			
Chloromethane	15.9	2.0	µg/L	10.00		159	40-160			†
Cyclohexane	11.2	5.0	µg/L	10.00		112	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.88	5.0	µg/L	10.00		98.8	70-130			
1,2-Dibromoethane (EDB)	10.5	0.50	µg/L	10.00		105	70-130			
1,2-Dichlorobenzene	10.8	1.0	µg/L	10.00		108	70-130			
1,3-Dichlorobenzene	10.8	1.0	µg/L	10.00		108	70-130			
1,4-Dichlorobenzene	9.96	1.0	µg/L	10.00		99.6	70-130			
Dichlorodifluoromethane (Freon 12)	9.56	2.0	µg/L	10.00		95.6	40-160			†
1,1-Dichloroethane	11.6	1.0	µg/L	10.00		116	70-130			
1,2-Dichloroethane	11.6	1.0	µg/L	10.00		116	70-130			
1,1-Dichloroethylene	10.4	1.0	µg/L	10.00		104	70-130			
cis-1,2-Dichloroethylene	11.2	1.0	µg/L	10.00		112	70-130			
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.00		106	70-130			
1,2-Dichloropropane	10.9	1.0	µg/L	10.00		109	70-130			
cis-1,3-Dichloropropene	10.9	0.50	µg/L	10.00		109	70-130			
trans-1,3-Dichloropropene	11.2	0.50	µg/L	10.00		112	70-130			
Ethylbenzene	11.0	1.0	µg/L	10.00		110	70-130			
2-Hexanone (MBK)	88.6	10	µg/L	100.0		88.6	70-160			†
Isopropylbenzene (Cumene)	10.7	1.0	µg/L	10.00		107	70-130			
p-Isopropyltoluene (p-Cymene)	10.3	1.0	µg/L	10.00		103	70-130			
Methyl Acetate	9.28	1.0	µg/L	10.00		92.8	70-130			
Methyl tert-Butyl Ether (MTBE)	10.5	1.0	µg/L	10.00		105	70-130			
Methyl Cyclohexane	12.1	1.0	µg/L	10.00		121	70-130			
Methylene Chloride	11.2	5.0	µg/L	10.00		112	70-130			
4-Methyl-2-pentanone (MIBK)	89.5	10	µg/L	100.0		89.5	70-160			†
Naphthalene	8.55	2.0	µg/L	10.00		85.5	40-130			†
n-Propylbenzene	10.6	1.0	µg/L	10.00		106	70-130			
Styrene	11.1	1.0	µg/L	10.00		111	70-130			
1,1,2,2-Tetrachloroethane	9.47	0.50	µg/L	10.00		94.7	70-130			

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**QUALITY CONTROL**

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B415134 - SW-846 5030B</b>										
<b>LCS (B415134-BS1)</b>										
					Prepared: 10/10/25 Analyzed: 10/13/25					
Tetrachloroethylene	11.1	1.0	µg/L	10.00		111	70-130			
Toluene	10.8	1.0	µg/L	10.00		108	70-130			
1,2,3-Trichlorobenzene	10.6	5.0	µg/L	10.00		106	70-130			
1,2,4-Trichlorobenzene	10.4	1.0	µg/L	10.00		104	70-130			
1,1,1-Trichloroethane	11.4	1.0	µg/L	10.00		114	70-130			
1,1,2-Trichloroethane	11.3	1.0	µg/L	10.00		113	70-130			
Trichloroethylene	11.2	1.0	µg/L	10.00		112	70-130			
Trichlorofluoromethane (Freon 11)	10.5	2.0	µg/L	10.00		105	70-130			
1,2,3-Trichloropropane	8.61	2.0	µg/L	10.00		86.1	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	1.0	µg/L	10.00		104	70-130			
1,2,4-Trimethylbenzene	10.4	1.0	µg/L	10.00		104	70-130			
1,3,5-Trimethylbenzene	10.4	1.0	µg/L	10.00		104	70-130			
Vinyl Chloride	10.9	2.0	µg/L	10.00		109	40-160			†
m+p Xylene	21.6	2.0	µg/L	20.00		108	70-130			
o-Xylene	10.7	1.0	µg/L	10.00		107	70-130			
Xylenes (total)	32.3	1.0	µg/L	30.00		108	0-200			
Surrogate: 1,2-Dichloroethane-d4	27.9		µg/L	25.00		112	70-130			
Surrogate: Toluene-d8	25.8		µg/L	25.00		103	70-130			
Surrogate: 4-Bromofluorobenzene	24.5		µg/L	25.00		98.2	70-130			
<b>LCS Dup (B415134-BS1)</b>										
					Prepared: 10/10/25 Analyzed: 10/13/25					
Acetone	91.4	50	µg/L	100.0		91.4	70-160	1.37	25	†
Benzene	11.3	1.0	µg/L	10.00		113	70-130	0.618	25	
Bromochloromethane	12.5	1.0	µg/L	10.00		125	70-130	1.19	25	
Bromodichloromethane	10.9	0.50	µg/L	10.00		109	70-130	2.81	25	
Bromoform	9.70	1.0	µg/L	10.00		97.0	70-130	3.05	25	
Bromomethane	10.0	2.0	µg/L	10.00		100	40-160	8.96	25	†
2-Butanone (MEK)	96.8	20	µg/L	100.0		96.8	40-160	1.11	25	†
n-Butylbenzene	9.82	1.0	µg/L	10.00		98.2	70-130	2.81	25	
sec-Butylbenzene	10.6	1.0	µg/L	10.00		106	70-130	0.939	25	
tert-Butylbenzene	10.7	1.0	µg/L	10.00		107	70-130	2.76	25	
Carbon Disulfide	97.7	5.0	µg/L	100.0		97.7	70-130	2.41	25	
Carbon Tetrachloride	11.6	5.0	µg/L	10.00		116	70-130	0.259	25	
Chlorobenzene	10.9	1.0	µg/L	10.00		109	70-130	2.17	25	
Chlorodibromomethane	10.4	0.50	µg/L	10.00		104	70-130	0.952	25	
Chloroethane	10.7	2.0	µg/L	10.00		107	70-130	5.28	25	
Chloroform	11.5	2.0	µg/L	10.00		115	70-130	1.84	25	
<b>Chloromethane</b>	17.2	2.0	µg/L	10.00		<b>172</b>	* 40-160	7.96	25	L-07 †
Cyclohexane	11.4	5.0	µg/L	10.00		114	70-130	1.78	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.87	5.0	µg/L	10.00		88.7	70-130	10.8	25	
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.00		104	70-130	1.25	25	
1,2-Dichlorobenzene	10.6	1.0	µg/L	10.00		106	70-130	1.97	25	
1,3-Dichlorobenzene	10.8	1.0	µg/L	10.00		108	70-130	0.00	25	
1,4-Dichlorobenzene	9.79	1.0	µg/L	10.00		97.9	70-130	1.72	25	
Dichlorodifluoromethane (Freon 12)	9.56	2.0	µg/L	10.00		95.6	40-160	0.00	25	†
1,1-Dichloroethane	11.6	1.0	µg/L	10.00		116	70-130	0.690	25	
1,2-Dichloroethane	11.2	1.0	µg/L	10.00		112	70-130	3.59	25	
1,1-Dichloroethylene	10.8	1.0	µg/L	10.00		108	70-130	3.21	25	
cis-1,2-Dichloroethylene	11.3	1.0	µg/L	10.00		113	70-130	0.979	25	
trans-1,2-Dichloroethylene	10.7	1.0	µg/L	10.00		107	70-130	1.12	25	
1,2-Dichloropropane	11.5	1.0	µg/L	10.00		115	70-130	5.55	25	
cis-1,3-Dichloropropene	11.1	0.50	µg/L	10.00		111	70-130	2.27	25	

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**QUALITY CONTROL**

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B415134 - SW-846 5030B**

**LCS Dup (B415134-BSD1)**

Prepared: 10/10/25 Analyzed: 10/13/25

trans-1,3-Dichloropropene	11.2	0.50	µg/L	10.00		112	70-130	0.0892	25	
Ethylbenzene	11.0	1.0	µg/L	10.00		110	70-130	0.182	25	
2-Hexanone (MBK)	88.6	10	µg/L	100.0		88.6	70-160	0.0113	25	†
Isopropylbenzene (Cumene)	10.8	1.0	µg/L	10.00		108	70-130	0.465	25	
p-Isopropyltoluene (p-Cymene)	10.2	1.0	µg/L	10.00		102	70-130	0.681	25	
Methyl Acetate	9.53	1.0	µg/L	10.00		95.3	70-130	2.66	25	
Methyl tert-Butyl Ether (MTBE)	10.9	1.0	µg/L	10.00		109	70-130	3.82	25	
Methyl Cyclohexane	11.9	1.0	µg/L	10.00		119	70-130	1.25	25	
Methylene Chloride	11.3	5.0	µg/L	10.00		113	70-130	1.16	25	
4-Methyl-2-pentanone (MIBK)	88.8	10	µg/L	100.0		88.8	70-160	0.819	25	†
Naphthalene	8.50	2.0	µg/L	10.00		85.0	40-130	0.587	25	†
n-Propylbenzene	10.8	1.0	µg/L	10.00		108	70-130	2.06	25	
Styrene	10.7	1.0	µg/L	10.00		107	70-130	3.49	25	
1,1,2,2-Tetrachloroethane	9.14	0.50	µg/L	10.00		91.4	70-130	3.55	25	
Tetrachloroethylene	11.4	1.0	µg/L	10.00		114	70-130	2.68	25	
Toluene	11.0	1.0	µg/L	10.00		110	70-130	1.19	25	
1,2,3-Trichlorobenzene	10.5	5.0	µg/L	10.00		105	70-130	1.14	25	
1,2,4-Trichlorobenzene	9.74	1.0	µg/L	10.00		97.4	70-130	6.17	25	
1,1,1-Trichloroethane	11.2	1.0	µg/L	10.00		112	70-130	2.65	25	
1,1,2-Trichloroethane	10.9	1.0	µg/L	10.00		109	70-130	3.43	25	
Trichloroethylene	11.4	1.0	µg/L	10.00		114	70-130	1.78	25	
Trichlorofluoromethane (Freon 11)	11.1	2.0	µg/L	10.00		111	70-130	5.73	25	
1,2,3-Trichloropropane	8.34	2.0	µg/L	10.00		83.4	70-130	3.19	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6	1.0	µg/L	10.00		106	70-130	1.33	25	
1,2,4-Trimethylbenzene	10.4	1.0	µg/L	10.00		104	70-130	0.576	25	
1,3,5-Trimethylbenzene	10.5	1.0	µg/L	10.00		105	70-130	0.383	25	
Vinyl Chloride	11.0	2.0	µg/L	10.00		110	40-160	1.28	25	†
m+p Xylene	21.3	2.0	µg/L	20.00		107	70-130	1.21	25	
o-Xylene	10.8	1.0	µg/L	10.00		108	70-130	0.0931	25	
Xylenes (total)	32.1	1.0	µg/L	30.00		107	0-200	0.776		
Surrogate: 1,2-Dichloroethane-d4	27.2		µg/L	25.00		109	70-130			
Surrogate: Toluene-d8	25.8		µg/L	25.00		103	70-130			
Surrogate: 4-Bromofluorobenzene	24.8		µg/L	25.00		99.4	70-130			

**Matrix Spike (B415134-MS1)**

**Source: 25J0245-01**

Prepared: 10/10/25 Analyzed: 10/14/25

Acetone	84.3	50	µg/L	100.0	ND	84.3	70-130			
Benzene	11.8	1.0	µg/L	10.00	ND	118	70-130			
Bromochloromethane	12.4	1.0	µg/L	10.00	ND	124	70-130			
Bromodichloromethane	11.0	0.50	µg/L	10.00	ND	110	70-130			
Bromoform	8.95	1.0	µg/L	10.00	ND	89.5	70-130			
Bromomethane	10.4	2.0	µg/L	10.00	ND	104	70-130			
2-Butanone (MEK)	85.8	20	µg/L	100.0	ND	85.8	70-130			
n-Butylbenzene	9.16	1.0	µg/L	10.00	ND	91.6	70-130			
sec-Butylbenzene	11.0	1.0	µg/L	10.00	ND	110	70-130			
tert-Butylbenzene	11.2	1.0	µg/L	10.00	ND	112	70-130			
Carbon Disulfide	104	5.0	µg/L	100.0	ND	104	70-130			
Carbon Tetrachloride	11.9	5.0	µg/L	10.00	ND	119	70-130			
Chlorobenzene	11.5	1.0	µg/L	10.00	ND	115	70-130			
Chlorodibromomethane	10.6	0.50	µg/L	10.00	ND	106	70-130			
Chloroethane	11.4	2.0	µg/L	10.00	ND	114	70-130			
Chloroform	11.5	2.0	µg/L	10.00	ND	115	70-130			
<b>Chloromethane</b>	23.3	2.0	µg/L	10.00	ND	233 *	70-130			

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**QUALITY CONTROL**

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B415134 - SW-846 5030B</b>										
<b>Matrix Spike (B415134-MS1)</b>	<b>Source: 25J0245-01</b>			Prepared: 10/10/25 Analyzed: 10/14/25						
Cyclohexane	12.6	5.0	µg/L	10.00	ND	126	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.74	5.0	µg/L	10.00	ND	77.4	70-130			
1,2-Dibromoethane (EDB)	10.3	0.50	µg/L	10.00	ND	103	70-130			
1,2-Dichlorobenzene	11.0	1.0	µg/L	10.00	ND	110	70-130			
1,3-Dichlorobenzene	11.1	1.0	µg/L	10.00	ND	111	70-130			
1,4-Dichlorobenzene	10.4	1.0	µg/L	10.00	ND	104	70-130			
Dichlorodifluoromethane (Freon 12)	11.9	2.0	µg/L	10.00	ND	119	70-130			
1,1-Dichloroethane	11.9	1.0	µg/L	10.00	ND	119	70-130			
1,2-Dichloroethane	11.3	1.0	µg/L	10.00	ND	113	70-130			
1,1-Dichloroethylene	11.0	1.0	µg/L	10.00	ND	110	70-130			
cis-1,2-Dichloroethylene	11.2	1.0	µg/L	10.00	ND	112	70-130			
trans-1,2-Dichloroethylene	11.1	1.0	µg/L	10.00	ND	111	70-130			
1,2-Dichloropropane	11.4	1.0	µg/L	10.00	ND	114	70-130			
cis-1,3-Dichloropropene	9.73	0.50	µg/L	10.00	ND	97.3	70-130			
trans-1,3-Dichloropropene	10.1	0.50	µg/L	10.00	ND	101	70-130			
Ethylbenzene	11.4	1.0	µg/L	10.00	ND	114	70-130			
2-Hexanone (MBK)	70.7	10	µg/L	100.0	ND	70.7	70-130			
Isopropylbenzene (Cumene)	11.2	1.0	µg/L	10.00	ND	112	70-130			
p-Isopropyltoluene (p-Cymene)	10.7	1.0	µg/L	10.00	ND	107	70-130			
<b>Methyl Acetate</b>	6.14	1.0	µg/L	10.00	ND	<b>61.4</b>	70-130	*		MS-07A
Methyl tert-Butyl Ether (MTBE)	10.1	1.0	µg/L	10.00	ND	101	70-130			
Methyl Cyclohexane	12.3	1.0	µg/L	10.00	ND	123	70-130			
Methylene Chloride	11.5	5.0	µg/L	10.00	ND	115	70-130			
4-Methyl-2-pentanone (MIBK)	79.9	10	µg/L	100.0	ND	79.9	70-130			
Naphthalene	9.97	2.0	µg/L	10.00	ND	99.7	70-130			
n-Propylbenzene	11.0	1.0	µg/L	10.00	ND	110	70-130			
Styrene	10.9	1.0	µg/L	10.00	ND	109	70-130			
1,1,1,2-Tetrachloroethane	9.23	0.50	µg/L	10.00	ND	92.3	70-130			
Tetrachloroethylene	11.7	1.0	µg/L	10.00	ND	117	70-130			
Toluene	11.3	1.0	µg/L	10.00	ND	113	70-130			
1,2,3-Trichlorobenzene	9.90	5.0	µg/L	10.00	ND	99.0	70-130			
1,2,4-Trichlorobenzene	9.86	1.0	µg/L	10.00	ND	98.6	70-130			
1,1,1-Trichloroethane	11.6	1.0	µg/L	10.00	ND	116	70-130			
1,1,2-Trichloroethane	10.7	1.0	µg/L	10.00	ND	107	70-130			
Trichloroethylene	12.0	1.0	µg/L	10.00	ND	120	70-130			
Trichlorofluoromethane (Freon 11)	11.8	2.0	µg/L	10.00	ND	118	70-130			
1,2,3-Trichloropropane	10.0	2.0	µg/L	10.00	ND	100	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.7	1.0	µg/L	10.00	ND	117	70-130			
1,2,4-Trimethylbenzene	10.9	1.0	µg/L	10.00	ND	109	70-130			
1,3,5-Trimethylbenzene	10.8	1.0	µg/L	10.00	ND	108	70-130			
Vinyl Chloride	11.7	2.0	µg/L	10.00	ND	117	70-130			
m+p Xylene	22.2	2.0	µg/L	20.00	ND	111	70-130			
o-Xylene	11.1	1.0	µg/L	10.00	ND	111	70-130			
Xylenes (total)	33.3	1.0	µg/L	30.00	ND	111	0-200			
Surrogate: 1,2-Dichloroethane-d4	25.9		µg/L	25.00		104	70-130			
Surrogate: Toluene-d8	25.7		µg/L	25.00		103	70-130			
Surrogate: 4-Bromofluorobenzene	25.2		µg/L	25.00		101	70-130			

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

**QUALITY CONTROL**

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B415134 - SW-846 5030B</b>										
<b>Matrix Spike Dup (B415134-MSD1)</b>										
		<b>Source: 25J0245-01</b>			Prepared: 10/10/25 Analyzed: 10/14/25					
Acetone	82.9	50	µg/L	100.0	ND	82.9	70-130	1.71	30	
Benzene	11.7	1.0	µg/L	10.00	ND	117	70-130	0.341	30	
Bromochloromethane	12.5	1.0	µg/L	10.00	ND	125	70-130	0.962	30	
Bromodichloromethane	10.9	0.50	µg/L	10.00	ND	109	70-130	1.64	30	
Bromoform	9.19	1.0	µg/L	10.00	ND	91.9	70-130	2.65	30	
Bromomethane	9.61	2.0	µg/L	10.00	ND	96.1	70-130	7.51	30	
2-Butanone (MEK)	84.6	20	µg/L	100.0	ND	84.6	70-130	1.40	30	
n-Butylbenzene	10.5	1.0	µg/L	10.00	ND	105	70-130	13.3	30	
sec-Butylbenzene	11.4	1.0	µg/L	10.00	ND	114	70-130	3.40	30	
tert-Butylbenzene	11.4	1.0	µg/L	10.00	ND	114	70-130	1.06	30	
Carbon Disulfide	106	5.0	µg/L	100.0	ND	106	70-130	1.97	30	
Carbon Tetrachloride	11.8	5.0	µg/L	10.00	ND	118	70-130	0.928	30	
Chlorobenzene	11.4	1.0	µg/L	10.00	ND	114	70-130	1.31	30	
Chlorodibromomethane	10.0	0.50	µg/L	10.00	ND	100	70-130	4.95	30	
Chloroethane	10.7	2.0	µg/L	10.00	ND	107	70-130	5.87	30	
Chloroform	11.5	2.0	µg/L	10.00	ND	115	70-130	0.260	30	
<b>Chloromethane</b>	22.0	2.0	µg/L	10.00	ND	<b>220</b> *	70-130	5.52	30	MS-15
Cyclohexane	12.4	5.0	µg/L	10.00	ND	124	70-130	1.28	30	
1,2-Dibromo-3-chloropropane (DBCP)	8.83	5.0	µg/L	10.00	ND	88.3	70-130	13.2	30	
1,2-Dibromoethane (EDB)	9.75	0.50	µg/L	10.00	ND	97.5	70-130	5.19	30	
1,2-Dichlorobenzene	11.0	1.0	µg/L	10.00	ND	110	70-130	0.637	30	
1,3-Dichlorobenzene	11.0	1.0	µg/L	10.00	ND	110	70-130	0.272	30	
1,4-Dichlorobenzene	10.4	1.0	µg/L	10.00	ND	104	70-130	0.00	30	
Dichlorodifluoromethane (Freon 12)	11.6	2.0	µg/L	10.00	ND	116	70-130	2.30	30	
1,1-Dichloroethane	11.8	1.0	µg/L	10.00	ND	118	70-130	1.09	30	
1,2-Dichloroethane	10.9	1.0	µg/L	10.00	ND	109	70-130	3.69	30	
1,1-Dichloroethylene	11.4	1.0	µg/L	10.00	ND	114	70-130	3.48	30	
cis-1,2-Dichloroethylene	11.5	1.0	µg/L	10.00	ND	115	70-130	2.29	30	
trans-1,2-Dichloroethylene	11.1	1.0	µg/L	10.00	ND	111	70-130	0.0899	30	
1,2-Dichloropropane	11.1	1.0	µg/L	10.00	ND	111	70-130	2.31	30	
cis-1,3-Dichloropropene	9.89	0.50	µg/L	10.00	ND	98.9	70-130	1.63	30	
trans-1,3-Dichloropropene	10.4	0.50	µg/L	10.00	ND	104	70-130	2.24	30	
Ethylbenzene	11.5	1.0	µg/L	10.00	ND	115	70-130	0.525	30	
<b>2-Hexanone (MBK)</b>	68.0	10	µg/L	100.0	ND	<b>68.0</b> *	70-130	3.88	30	MS-24
Isopropylbenzene (Cumene)	11.2	1.0	µg/L	10.00	ND	112	70-130	0.178	30	
p-Isopropyltoluene (p-Cymene)	10.8	1.0	µg/L	10.00	ND	108	70-130	0.838	30	
<b>Methyl Acetate</b>	6.11	1.0	µg/L	10.00	ND	<b>61.1</b> *	70-130	0.490	30	MS-07A
Methyl tert-Butyl Ether (MTBE)	10.0	1.0	µg/L	10.00	ND	100	70-130	0.596	30	
Methyl Cyclohexane	12.5	1.0	µg/L	10.00	ND	125	70-130	1.45	30	
Methylene Chloride	11.0	5.0	µg/L	10.00	ND	110	70-130	4.27	30	
4-Methyl-2-pentanone (MIBK)	78.5	10	µg/L	100.0	ND	78.5	70-130	1.68	30	
Naphthalene	9.53	2.0	µg/L	10.00	ND	95.3	70-130	4.51	30	
n-Propylbenzene	11.1	1.0	µg/L	10.00	ND	111	70-130	0.0905	30	
Styrene	10.9	1.0	µg/L	10.00	ND	109	70-130	0.275	30	
1,1,2,2-Tetrachloroethane	9.07	0.50	µg/L	10.00	ND	90.7	70-130	1.75	30	
Tetrachloroethylene	11.6	1.0	µg/L	10.00	ND	116	70-130	0.773	30	
Toluene	11.1	1.0	µg/L	10.00	ND	111	70-130	1.69	30	
1,2,3-Trichlorobenzene	10.5	5.0	µg/L	10.00	ND	105	70-130	5.79	30	
1,2,4-Trichlorobenzene	9.52	1.0	µg/L	10.00	ND	95.2	70-130	3.51	30	
1,1,1-Trichloroethane	11.5	1.0	µg/L	10.00	ND	115	70-130	0.954	30	
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.00	ND	104	70-130	2.18	30	
Trichloroethylene	11.6	1.0	µg/L	10.00	ND	116	70-130	3.98	30	

**QUALITY CONTROL**

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B415134 - SW-846 5030B**

**Matrix Spike Dup (B415134-MSD1)**

**Source: 25J0245-01**

Prepared: 10/10/25 Analyzed: 10/14/25

Trichlorofluoromethane (Freon 11)	11.7	2.0	µg/L	10.00	ND	117	70-130	1.27	30	
1,2,3-Trichloropropane	7.54	2.0	µg/L	10.00	ND	75.4	70-130	28.4	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.3	1.0	µg/L	10.00	ND	113	70-130	3.65	30	
1,2,4-Trimethylbenzene	11.0	1.0	µg/L	10.00	ND	110	70-130	1.10	30	
1,3,5-Trimethylbenzene	10.9	1.0	µg/L	10.00	ND	109	70-130	1.20	30	
Vinyl Chloride	11.9	2.0	µg/L	10.00	ND	119	70-130	1.53	30	
m+p Xylene	22.3	2.0	µg/L	20.00	ND	112	70-130	0.314	20	
o-Xylene	11.1	1.0	µg/L	10.00	ND	111	70-130	0.630	30	
Xylenes (total)	33.4	1.0	µg/L	30.00	ND	112	0-200	0.419		

Surrogate: 1,2-Dichloroethane-d4	26.4		µg/L	25.00		106	70-130			
Surrogate: Toluene-d8	25.0		µg/L	25.00		100	70-130			
Surrogate: 4-Bromofluorobenzene	24.9		µg/L	25.00		99.4	70-130			

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B415679 - SW-846 3510C</b>										
<b>Blank (B415679-BLK1)</b>										
					Prepared: 10/21/25 Analyzed: 10/22/25					
2,3,4,6-Tetrachlorophenol	ND	20	µg/L							V-05
Atrazine	ND	20	µg/L							V-05
Benzaldehyde	ND	10	µg/L							
Biphenyl	ND	20	µg/L							
Caprolactam	ND	10	µg/L							L-04, V-05
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Acetophenone	ND	10	µg/L							
Aniline	ND	20	µg/L							
Anthracene	ND	5.0	µg/L							
Benzo(a)anthracene	ND	5.0	µg/L							
Benzo(a)pyrene	ND	5.0	µg/L							
Benzo(b)fluoranthene	ND	5.0	µg/L							
Benzo(g,h,i)perylene	ND	5.0	µg/L							
Benzo(k)fluoranthene	ND	5.0	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
2,2'-oxybis(1-Chloropropane)	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	20	µg/L							
2,4-Dinitrophenol	ND	20	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
1-Methylnaphthalene	ND	5.0	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							
2-Methylphenol	ND	10	µg/L							

**QUALITY CONTROL**

**Semivolatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B415679 - SW-846 3510C</b>										
<b>Blank (B415679-BLK1)</b>										
Prepared: 10/21/25 Analyzed: 10/22/25										
3/4-Methylphenol	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachlorophenol	ND	10	µg/L							
Phenanthrene	ND	5.0	µg/L							
Phenol	ND	10	µg/L							
Pyrene	ND	5.0	µg/L							
Pyridine	ND	20	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	210		µg/L	400.0		52.6	15-110			
Surrogate: Phenol-d6	136		µg/L	400.0		34.1	15-110			
Surrogate: Nitrobenzene-d5	163		µg/L	200.0		81.7	30-130			
Surrogate: 2-Fluorobiphenyl	139		µg/L	200.0		69.3	30-130			
Surrogate: 2,4,6-Tribromophenol	252		µg/L	400.0		62.9	15-110			
Surrogate: p-Terphenyl-d14	178		µg/L	200.0		88.9	30-130			
<b>LCS (B415679-BS1)</b>										
Prepared: 10/21/25 Analyzed: 10/22/25										
2,3,4,6-Tetrachlorophenol	68.2	20	µg/L	100.0		68.2	40-140			V-05
Atrazine	71.2	20	µg/L	100.0		71.2	40-140			V-05
Benzaldehyde	65.5	10	µg/L	100.0		65.5	40-140			
Biphenyl	78.5	20	µg/L	100.0		78.5	40-140			
<b>Caprolactam</b>	17.8	10	µg/L	100.0		<b>17.8</b> *	40-140			V-05, L-04
Acenaphthene	70.4	5.0	µg/L	100.0		70.4	40-140			
Acenaphthylene	79.0	5.0	µg/L	100.0		79.0	40-140			
Acetophenone	72.3	10	µg/L	100.0		72.3	40-140			
Aniline	67.3	20	µg/L	100.0		67.3	40-140			
Anthracene	74.0	5.0	µg/L	100.0		74.0	40-140			
Benzo(a)anthracene	72.9	5.0	µg/L	100.0		72.9	40-140			
Benzo(a)pyrene	74.2	5.0	µg/L	100.0		74.2	40-140			
Benzo(b)fluoranthene	74.0	5.0	µg/L	100.0		74.0	40-140			
Benzo(g,h,i)perylene	81.8	5.0	µg/L	100.0		81.8	40-140			
Benzo(k)fluoranthene	78.0	5.0	µg/L	100.0		78.0	40-140			
Bis(2-chloroethoxy)methane	74.6	10	µg/L	100.0		74.6	40-140			
Bis(2-chloroethyl)ether	82.2	10	µg/L	100.0		82.2	40-140			
2,2'-oxybis(1-Chloropropane)	88.4	10	µg/L	100.0		88.4	40-140			
Bis(2-Ethylhexyl)phthalate	67.8	10	µg/L	100.0		67.8	40-140			
4-Bromophenylphenylether	70.4	10	µg/L	100.0		70.4	40-140			
Butylbenzylphthalate	76.4	10	µg/L	100.0		76.4	40-140			
Carbazole	73.8	10	µg/L	100.0		73.8	40-140			
4-Chloroaniline	75.6	10	µg/L	100.0		75.6	40-140			
4-Chloro-3-methylphenol	72.2	10	µg/L	100.0		72.2	30-130			
2-Chloronaphthalene	65.1	10	µg/L	100.0		65.1	40-140			
2-Chlorophenol	75.8	10	µg/L	100.0		75.8	30-130			

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B415679 - SW-846 3510C</b>										
<b>LCS (B415679-BS1)</b>										
					Prepared: 10/21/25 Analyzed: 10/22/25					
4-Chlorophenylphenylether	67.0	10	µg/L	100.0		67.0	40-140			
Chrysene	74.7	5.0	µg/L	100.0		74.7	40-140			
Dibenz(a,h)anthracene	77.2	5.0	µg/L	100.0		77.2	40-140			
Dibenzofuran	71.6	5.0	µg/L	100.0		71.6	40-140			
Di-n-butylphthalate	68.8	10	µg/L	100.0		68.8	40-140			
3,3-Dichlorobenzidine	81.1	10	µg/L	100.0		81.1	40-140			
2,4-Dichlorophenol	76.5	10	µg/L	100.0		76.5	30-130			
Diethylphthalate	68.8	10	µg/L	100.0		68.8	40-140			
2,4-Dimethylphenol	80.4	10	µg/L	100.0		80.4	30-130			
Dimethylphthalate	72.0	10	µg/L	100.0		72.0	40-140			
4,6-Dinitro-2-methylphenol	61.8	20	µg/L	100.0		61.8	30-130			
2,4-Dinitrophenol	54.4	20	µg/L	100.0		54.4	30-130			
2,4-Dinitrotoluene	69.1	10	µg/L	100.0		69.1	40-140			
2,6-Dinitrotoluene	73.5	10	µg/L	100.0		73.5	40-140			
Di-n-octylphthalate	61.0	10	µg/L	100.0		61.0	40-140			
Fluoranthene	68.1	5.0	µg/L	100.0		68.1	40-140			
Fluorene	72.0	5.0	µg/L	100.0		72.0	40-140			
Hexachlorobenzene	68.4	10	µg/L	100.0		68.4	40-140			
Hexachlorobutadiene	72.0	10	µg/L	100.0		72.0	40-140			
Hexachlorocyclopentadiene	81.2	10	µg/L	100.0		81.2	30-140			†
Hexachloroethane	73.0	10	µg/L	100.0		73.0	40-140			
Indeno(1,2,3-cd)pyrene	78.4	5.0	µg/L	100.0		78.4	40-140			
Isophorone	82.8	10	µg/L	100.0		82.8	40-140			
1-Methylnaphthalene	71.2	5.0	µg/L	100.0		71.2	40-140			
2-Methylnaphthalene	65.1	5.0	µg/L	100.0		65.1	40-140			
2-Methylphenol	67.4	10	µg/L	100.0		67.4	30-130			
3/4-Methylphenol	66.1	10	µg/L	100.0		66.1	30-130			
Naphthalene	75.2	5.0	µg/L	100.0		75.2	40-140			
2-Nitroaniline	74.9	10	µg/L	100.0		74.9	40-140			
3-Nitroaniline	75.9	10	µg/L	100.0		75.9	40-140			
4-Nitroaniline	69.2	10	µg/L	100.0		69.2	40-140			
Nitrobenzene	79.9	10	µg/L	100.0		79.9	40-140			
2-Nitrophenol	79.8	10	µg/L	100.0		79.8	30-130			
4-Nitrophenol	39.1	10	µg/L	100.0		39.1	10-130			†
N-Nitrosodiphenylamine/Diphenylamine	76.1	10	µg/L	100.0		76.1	40-140			
N-Nitrosodi-n-propylamine	73.7	10	µg/L	100.0		73.7	40-140			
Pentachlorophenol	55.2	10	µg/L	100.0		55.2	30-130			
Phenanthrene	73.8	5.0	µg/L	100.0		73.8	40-140			
Phenol	40.4	10	µg/L	100.0		40.4	20-130			†
Pyrene	80.9	5.0	µg/L	100.0		80.9	40-140			
Pyridine	52.6	20	µg/L	100.0		52.6	10-140			†
1,2,4,5-Tetrachlorobenzene	75.9	10	µg/L	100.0		75.9	40-140			
2,4,5-Trichlorophenol	77.5	10	µg/L	100.0		77.5	30-130			
2,4,6-Trichlorophenol	76.7	10	µg/L	100.0		76.7	30-130			
Surrogate: 2-Fluorophenol	237		µg/L	400.0		59.2	15-110			
Surrogate: Phenol-d6	162		µg/L	400.0		40.4	15-110			
Surrogate: Nitrobenzene-d5	168		µg/L	200.0		84.1	30-130			
Surrogate: 2-Fluorobiphenyl	157		µg/L	200.0		78.7	30-130			
Surrogate: 2,4,6-Tribromophenol	286		µg/L	400.0		71.5	15-110			
Surrogate: p-Terphenyl-d14	169		µg/L	200.0		84.4	30-130			

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

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B415679 - SW-846 3510C</b>										
<b>LCS Dup (B415679-BSD1)</b>										
					Prepared: 10/21/25 Analyzed: 10/22/25					
2,3,4,6-Tetrachlorophenol	74.6	20	µg/L	100.0		74.6	40-140	8.93	20	V-05
Atrazine	74.7	20	µg/L	100.0		74.7	40-140	4.77	20	V-05
Benzaldehyde	64.2	10	µg/L	100.0		64.2	40-140	2.05	20	
Biphenyl	82.5	20	µg/L	100.0		82.5	40-140	4.91	20	
<b>Caprolactam</b>	18.5	10	µg/L	100.0		<b>18.5</b>	* 40-140	3.91	20	L-04, V-05
Acenaphthene	74.0	5.0	µg/L	100.0		74.0	40-140	5.10	20	
Acenaphthylene	82.7	5.0	µg/L	100.0		82.7	40-140	4.63	20	
Acetophenone	71.4	10	µg/L	100.0		71.4	40-140	1.17	20	
Aniline	64.5	20	µg/L	100.0		64.5	40-140	4.23	50	‡
Anthracene	78.4	5.0	µg/L	100.0		78.4	40-140	5.71	20	
Benzo(a)anthracene	78.7	5.0	µg/L	100.0		78.7	40-140	7.61	20	
Benzo(a)pyrene	75.7	5.0	µg/L	100.0		75.7	40-140	1.95	20	
Benzo(b)fluoranthene	76.4	5.0	µg/L	100.0		76.4	40-140	3.25	20	
Benzo(g,h,i)perylene	83.7	5.0	µg/L	100.0		83.7	40-140	2.31	20	
Benzo(k)fluoranthene	79.0	5.0	µg/L	100.0		79.0	40-140	1.29	20	
Bis(2-chloroethoxy)methane	77.9	10	µg/L	100.0		77.9	40-140	4.26	20	
Bis(2-chloroethyl)ether	81.3	10	µg/L	100.0		81.3	40-140	1.11	20	
2,2'-oxybis(1-Chloropropane)	87.4	10	µg/L	100.0		87.4	40-140	1.14	20	
Bis(2-Ethylhexyl)phthalate	72.4	10	µg/L	100.0		72.4	40-140	6.63	20	
4-Bromophenylphenylether	77.4	10	µg/L	100.0		77.4	40-140	9.44	20	
Butylbenzylphthalate	83.9	10	µg/L	100.0		83.9	40-140	9.37	20	
Carbazole	77.0	10	µg/L	100.0		77.0	40-140	4.22	20	
4-Chloroaniline	77.6	10	µg/L	100.0		77.6	40-140	2.61	20	
4-Chloro-3-methylphenol	76.8	10	µg/L	100.0		76.8	30-130	6.16	20	
2-Chloronaphthalene	71.4	10	µg/L	100.0		71.4	40-140	9.22	20	
2-Chlorophenol	73.8	10	µg/L	100.0		73.8	30-130	2.67	20	
4-Chlorophenylphenylether	72.8	10	µg/L	100.0		72.8	40-140	8.20	20	
Chrysene	79.0	5.0	µg/L	100.0		79.0	40-140	5.50	20	
Dibenz(a,h)anthracene	78.5	5.0	µg/L	100.0		78.5	40-140	1.72	20	
Dibenzofuran	77.5	5.0	µg/L	100.0		77.5	40-140	7.97	20	
Di-n-butylphthalate	75.5	10	µg/L	100.0		75.5	40-140	9.17	20	
3,3-Dichlorobenzidine	87.4	10	µg/L	100.0		87.4	40-140	7.45	20	
2,4-Dichlorophenol	79.8	10	µg/L	100.0		79.8	30-130	4.17	20	
Diethylphthalate	74.1	10	µg/L	100.0		74.1	40-140	7.40	20	
2,4-Dimethylphenol	85.0	10	µg/L	100.0		85.0	30-130	5.57	20	
Dimethylphthalate	77.5	10	µg/L	100.0		77.5	40-140	7.45	50	‡
4,6-Dinitro-2-methylphenol	69.1	20	µg/L	100.0		69.1	30-130	11.2	50	‡
2,4-Dinitrophenol	61.5	20	µg/L	100.0		61.5	30-130	12.1	50	‡
2,4-Dinitrotoluene	72.8	10	µg/L	100.0		72.8	40-140	5.19	20	
2,6-Dinitrotoluene	82.3	10	µg/L	100.0		82.3	40-140	11.3	20	
Di-n-octylphthalate	66.9	10	µg/L	100.0		66.9	40-140	9.30	20	
Fluoranthene	71.9	5.0	µg/L	100.0		71.9	40-140	5.41	20	
Fluorene	75.6	5.0	µg/L	100.0		75.6	40-140	4.93	20	
Hexachlorobenzene	76.3	10	µg/L	100.0		76.3	40-140	11.0	20	
Hexachlorobutadiene	74.9	10	µg/L	100.0		74.9	40-140	3.84	20	
Hexachlorocyclopentadiene	85.8	10	µg/L	100.0		85.8	30-140	5.44	50	† ‡
Hexachloroethane	71.7	10	µg/L	100.0		71.7	40-140	1.77	50	‡
Indeno(1,2,3-cd)pyrene	78.7	5.0	µg/L	100.0		78.7	40-140	0.395	50	‡
Isophorone	88.7	10	µg/L	100.0		88.7	40-140	6.92	20	
1-Methylnaphthalene	75.0	5.0	µg/L	100.0		75.0	40-140	5.14	20	
2-Methylnaphthalene	69.7	5.0	µg/L	100.0		69.7	40-140	6.83	20	
2-Methylphenol	67.8	10	µg/L	100.0		67.8	30-130	0.562	20	

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**QUALITY CONTROL**

**Semivolatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B415679 - SW-846 3510C</b>										
<b>LCS Dup (B415679-BSD1)</b>										
					Prepared: 10/21/25 Analyzed: 10/22/25					
3/4-Methylphenol	63.7	10	µg/L	100.0		63.7	30-130	3.75	20	
Naphthalene	77.9	5.0	µg/L	100.0		77.9	40-140	3.49	20	
2-Nitroaniline	79.7	10	µg/L	100.0		79.7	40-140	6.16	20	
3-Nitroaniline	76.0	10	µg/L	100.0		76.0	40-140	0.158	20	
4-Nitroaniline	72.3	10	µg/L	100.0		72.3	40-140	4.38	20	
Nitrobenzene	83.2	10	µg/L	100.0		83.2	40-140	4.08	20	
2-Nitrophenol	79.7	10	µg/L	100.0		79.7	30-130	0.0878	20	
4-Nitrophenol	40.7	10	µg/L	100.0		40.7	10-130	4.14	50	† ‡
N-Nitrosodiphenylamine/Diphenylamine	83.2	10	µg/L	100.0		83.2	40-140	9.01	20	
N-Nitrosodi-n-propylamine	75.4	10	µg/L	100.0		75.4	40-140	2.29	20	
Pentachlorophenol	59.8	10	µg/L	100.0		59.8	30-130	8.09	50	‡
Phenanthrene	78.5	5.0	µg/L	100.0		78.5	40-140	6.12	20	
Phenol	40.0	10	µg/L	100.0		40.0	20-130	1.05	20	†
Pyrene	87.3	5.0	µg/L	100.0		87.3	40-140	7.62	20	
Pyridine	49.5	20	µg/L	100.0		49.5	10-140	6.07	50	† ‡
1,2,4,5-Tetrachlorobenzene	79.4	10	µg/L	100.0		79.4	40-140	4.47	20	
2,4,5-Trichlorophenol	81.0	10	µg/L	100.0		81.0	30-130	4.43	20	
2,4,6-Trichlorophenol	80.8	10	µg/L	100.0		80.8	30-130	5.23	50	‡
Surrogate: 2-Fluorophenol	229		µg/L	400.0		57.2	15-110			
Surrogate: Phenol-d6	156		µg/L	400.0		39.0	15-110			
Surrogate: Nitrobenzene-d5	174		µg/L	200.0		87.1	30-130			
Surrogate: 2-Fluorobiphenyl	161		µg/L	200.0		80.7	30-130			
Surrogate: 2,4,6-Tribromophenol	298		µg/L	400.0		74.5	15-110			
Surrogate: p-Terphenyl-d14	177		µg/L	200.0		88.4	30-130			

**Batch B415980 - SW-846 3510C**

<b>Blank (B415980-BLK1)</b>										
					Prepared: 10/23/25 Analyzed: 10/24/25					
2,3,4,6-Tetrachlorophenol	ND	20	µg/L							
Atrazine	ND	20	µg/L							V-05
Benzaldehyde	ND	10	µg/L							
Biphenyl	ND	20	µg/L							
Caprolactam	ND	10	µg/L							L-04, V-05
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Acetophenone	ND	10	µg/L							
Aniline	ND	20	µg/L							
Anthracene	ND	5.0	µg/L							
Benzo(a)anthracene	ND	5.0	µg/L							
Benzo(a)pyrene	ND	5.0	µg/L							
Benzo(b)fluoranthene	ND	5.0	µg/L							
Benzo(g,h,i)perylene	ND	5.0	µg/L							
Benzo(k)fluoranthene	ND	5.0	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
2,2'-oxybis(1-Chloropropane)	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B415980 - SW-846 3510C

Blank (B415980-BLK1)

Prepared: 10/23/25 Analyzed: 10/24/25

2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	20	µg/L							
2,4-Dinitrophenol	ND	20	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
1-Methylnaphthalene	ND	5.0	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachlorophenol	ND	10	µg/L							
Phenanthrene	ND	5.0	µg/L							
Phenol	ND	10	µg/L							
Pyrene	ND	5.0	µg/L							
Pyridine	ND	20	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	189		µg/L	400.0		47.3	15-110			
Surrogate: Phenol-d6	120		µg/L	400.0		30.0	15-110			
Surrogate: Nitrobenzene-d5	162		µg/L	200.0		80.9	30-130			
Surrogate: 2-Fluorobiphenyl	155		µg/L	200.0		77.6	30-130			
Surrogate: 2,4,6-Tribromophenol	284		µg/L	400.0		71.1	15-110			
Surrogate: p-Terphenyl-d14	214		µg/L	200.0		107	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B415980 - SW-846 3510C</b>										
<b>LCS (B415980-BS1)</b>										
					Prepared: 10/23/25 Analyzed: 10/24/25					
2,3,4,6-Tetrachlorophenol	74.0	20	µg/L	100.0		74.0	40-140			
Atrazine	68.2	20	µg/L	100.0		68.2	40-140			V-05
Benzaldehyde	61.7	10	µg/L	100.0		61.7	40-140			
Biphenyl	81.1	20	µg/L	100.0		81.1	40-140			
<b>Caprolactam</b>	15.1	10	µg/L	100.0		<b>15.1</b>	<b>*</b> 40-140			V-05, L-04
Acenaphthene	73.4	5.0	µg/L	100.0		73.4	40-140			
Acenaphthylene	82.0	5.0	µg/L	100.0		82.0	40-140			
Acetophenone	68.4	10	µg/L	100.0		68.4	40-140			
Aniline	63.0	20	µg/L	100.0		63.0	40-140			
Anthracene	79.6	5.0	µg/L	100.0		79.6	40-140			
Benzo(a)anthracene	80.0	5.0	µg/L	100.0		80.0	40-140			
Benzo(a)pyrene	81.7	5.0	µg/L	100.0		81.7	40-140			
Benzo(b)fluoranthene	86.3	5.0	µg/L	100.0		86.3	40-140			
Benzo(g,h,i)perylene	81.2	5.0	µg/L	100.0		81.2	40-140			
Benzo(k)fluoranthene	88.4	5.0	µg/L	100.0		88.4	40-140			
Bis(2-chloroethoxy)methane	73.1	10	µg/L	100.0		73.1	40-140			
Bis(2-chloroethyl)ether	76.8	10	µg/L	100.0		76.8	40-140			
2,2'-oxybis(1-Chloropropane)	84.5	10	µg/L	100.0		84.5	40-140			
Bis(2-Ethylhexyl)phthalate	75.5	10	µg/L	100.0		75.5	40-140			
4-Bromophenylphenylether	81.4	10	µg/L	100.0		81.4	40-140			
Butylbenzylphthalate	86.1	10	µg/L	100.0		86.1	40-140			
Carbazole	75.9	10	µg/L	100.0		75.9	40-140			
4-Chloroaniline	72.3	10	µg/L	100.0		72.3	40-140			
4-Chloro-3-methylphenol	70.7	10	µg/L	100.0		70.7	30-130			
2-Chloronaphthalene	72.8	10	µg/L	100.0		72.8	40-140			
2-Chlorophenol	68.4	10	µg/L	100.0		68.4	30-130			
4-Chlorophenylphenylether	72.4	10	µg/L	100.0		72.4	40-140			
Chrysene	82.7	5.0	µg/L	100.0		82.7	40-140			
Dibenz(a,h)anthracene	80.6	5.0	µg/L	100.0		80.6	40-140			
Dibenzofuran	75.2	5.0	µg/L	100.0		75.2	40-140			
Di-n-butylphthalate	76.0	10	µg/L	100.0		76.0	40-140			
3,3-Dichlorobenzidine	82.7	10	µg/L	100.0		82.7	40-140			
2,4-Dichlorophenol	74.2	10	µg/L	100.0		74.2	30-130			
Diethylphthalate	71.4	10	µg/L	100.0		71.4	40-140			
2,4-Dimethylphenol	78.9	10	µg/L	100.0		78.9	30-130			
Dimethylphthalate	75.6	10	µg/L	100.0		75.6	40-140			
4,6-Dinitro-2-methylphenol	69.0	20	µg/L	100.0		69.0	30-130			
2,4-Dinitrophenol	57.3	20	µg/L	100.0		57.3	30-130			
2,4-Dinitrotoluene	70.1	10	µg/L	100.0		70.1	40-140			
2,6-Dinitrotoluene	78.8	10	µg/L	100.0		78.8	40-140			
Di-n-octylphthalate	74.0	10	µg/L	100.0		74.0	40-140			
Fluoranthene	70.7	5.0	µg/L	100.0		70.7	40-140			
Fluorene	74.3	5.0	µg/L	100.0		74.3	40-140			
Hexachlorobenzene	76.6	10	µg/L	100.0		76.6	40-140			
Hexachlorobutadiene	72.4	10	µg/L	100.0		72.4	40-140			
Hexachlorocyclopentadiene	88.9	10	µg/L	100.0		88.9	30-140			†
Hexachloroethane	69.7	10	µg/L	100.0		69.7	40-140			
Indeno(1,2,3-cd)pyrene	78.9	5.0	µg/L	100.0		78.9	40-140			
Isophorone	81.4	10	µg/L	100.0		81.4	40-140			
1-Methylnaphthalene	70.6	5.0	µg/L	100.0		70.6	40-140			
2-Methylnaphthalene	66.9	5.0	µg/L	100.0		66.9	40-140			
2-Methylphenol	62.6	10	µg/L	100.0		62.6	30-130			

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**QUALITY CONTROL**

**Semivolatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B415980 - SW-846 3510C</b>										
<b>LCS (B415980-BS1)</b>										
					Prepared: 10/23/25 Analyzed: 10/24/25					
3/4-Methylphenol	59.3	10	µg/L	100.0		59.3	30-130			
Naphthalene	72.7	5.0	µg/L	100.0		72.7	40-140			
2-Nitroaniline	76.4	10	µg/L	100.0		76.4	40-140			
3-Nitroaniline	75.1	10	µg/L	100.0		75.1	40-140			
4-Nitroaniline	64.5	10	µg/L	100.0		64.5	40-140			
Nitrobenzene	76.1	10	µg/L	100.0		76.1	40-140			
2-Nitrophenol	76.8	10	µg/L	100.0		76.8	30-130			
4-Nitrophenol	37.3	10	µg/L	100.0		37.3	10-130			†
N-Nitrosodiphenylamine/Diphenylamine	83.7	10	µg/L	100.0		83.7	40-140			
N-Nitrosodi-n-propylamine	72.3	10	µg/L	100.0		72.3	40-140			
Pentachlorophenol	63.4	10	µg/L	100.0		63.4	30-130			
Phenanthrene	79.0	5.0	µg/L	100.0		79.0	40-140			
Phenol	36.0	10	µg/L	100.0		36.0	20-130			†
Pyrene	93.4	5.0	µg/L	100.0		93.4	40-140			
Pyridine	45.9	20	µg/L	100.0		45.9	10-140			†
1,2,4,5-Tetrachlorobenzene	77.5	10	µg/L	100.0		77.5	40-140			
2,4,5-Trichlorophenol	78.6	10	µg/L	100.0		78.6	30-130			
2,4,6-Trichlorophenol	78.9	10	µg/L	100.0		78.9	30-130			
Surrogate: 2-Fluorophenol	228		µg/L	400.0		56.9	15-110			
Surrogate: Phenol-d6	153		µg/L	400.0		38.3	15-110			
Surrogate: Nitrobenzene-d5	175		µg/L	200.0		87.5	30-130			
Surrogate: 2-Fluorobiphenyl	172		µg/L	200.0		85.8	30-130			
Surrogate: 2,4,6-Tribromophenol	316		µg/L	400.0		78.9	15-110			
Surrogate: p-Terphenyl-d14	208		µg/L	200.0		104	30-130			
<b>LCS Dup (B415980-BSD1)</b>										
					Prepared: 10/23/25 Analyzed: 10/24/25					
2,3,4,6-Tetrachlorophenol	78.4	20	µg/L	100.0		78.4	40-140	5.76	20	
Atrazine	71.8	20	µg/L	100.0		71.8	40-140	5.07	20	V-05
Benzaldehyde	67.2	10	µg/L	100.0		67.2	40-140	8.54	20	
Biphenyl	87.1	20	µg/L	100.0		87.1	40-140	7.15	20	
<b>Caprolactam</b>	16.5	10	µg/L	100.0		<b>16.5</b> *	40-140	9.06	20	L-04, V-05
Acenaphthene	78.2	5.0	µg/L	100.0		78.2	40-140	6.23	20	
Acenaphthylene	87.5	5.0	µg/L	100.0		87.5	40-140	6.48	20	
Acetophenone	73.2	10	µg/L	100.0		73.2	40-140	6.75	20	
Aniline	58.0	20	µg/L	100.0		58.0	40-140	8.22	50	‡
Anthracene	84.5	5.0	µg/L	100.0		84.5	40-140	6.01	20	
Benzo(a)anthracene	85.8	5.0	µg/L	100.0		85.8	40-140	6.89	20	
Benzo(a)pyrene	84.3	5.0	µg/L	100.0		84.3	40-140	3.16	20	
Benzo(b)fluoranthene	87.6	5.0	µg/L	100.0		87.6	40-140	1.44	20	
Benzo(g,h,i)perylene	84.2	5.0	µg/L	100.0		84.2	40-140	3.60	20	
Benzo(k)fluoranthene	89.6	5.0	µg/L	100.0		89.6	40-140	1.36	20	
Bis(2-chloroethoxy)methane	78.9	10	µg/L	100.0		78.9	40-140	7.70	20	
Bis(2-chloroethyl)ether	81.8	10	µg/L	100.0		81.8	40-140	6.25	20	
2,2'-oxybis(1-Chloropropane)	93.2	10	µg/L	100.0		93.2	40-140	9.75	20	
Bis(2-Ethylhexyl)phthalate	79.5	10	µg/L	100.0		79.5	40-140	5.18	20	
4-Bromophenylphenylether	86.3	10	µg/L	100.0		86.3	40-140	5.92	20	
Butylbenzylphthalate	91.5	10	µg/L	100.0		91.5	40-140	6.13	20	
Carbazole	80.0	10	µg/L	100.0		80.0	40-140	5.22	20	
4-Chloroaniline	73.6	10	µg/L	100.0		73.6	40-140	1.86	20	
4-Chloro-3-methylphenol	74.6	10	µg/L	100.0		74.6	30-130	5.41	20	
2-Chloronaphthalene	76.3	10	µg/L	100.0		76.3	40-140	4.60	20	
2-Chlorophenol	74.7	10	µg/L	100.0		74.7	30-130	8.72	20	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B415980 - SW-846 3510C</b>										
<b>LCS Dup (B415980-BSD1)</b>										
					Prepared: 10/23/25 Analyzed: 10/24/25					
4-Chlorophenylphenylether	77.3	10	µg/L	100.0		77.3	40-140	6.60	20	
Chrysene	86.1	5.0	µg/L	100.0		86.1	40-140	4.07	20	
Dibenz(a,h)anthracene	79.8	5.0	µg/L	100.0		79.8	40-140	1.07	20	
Dibenzofuran	80.0	5.0	µg/L	100.0		80.0	40-140	6.25	20	
Di-n-butylphthalate	77.4	10	µg/L	100.0		77.4	40-140	1.92	20	
3,3-Dichlorobenzidine	88.1	10	µg/L	100.0		88.1	40-140	6.33	20	
2,4-Dichlorophenol	79.2	10	µg/L	100.0		79.2	30-130	6.52	20	
Diethylphthalate	75.8	10	µg/L	100.0		75.8	40-140	6.01	20	
2,4-Dimethylphenol	82.6	10	µg/L	100.0		82.6	30-130	4.57	20	
Dimethylphthalate	79.6	10	µg/L	100.0		79.6	40-140	5.15	50	‡
4,6-Dinitro-2-methylphenol	75.0	20	µg/L	100.0		75.0	30-130	8.29	50	‡
2,4-Dinitrophenol	61.8	20	µg/L	100.0		61.8	30-130	7.65	50	‡
2,4-Dinitrotoluene	73.1	10	µg/L	100.0		73.1	40-140	4.13	20	
2,6-Dinitrotoluene	83.2	10	µg/L	100.0		83.2	40-140	5.40	20	
Di-n-octylphthalate	77.4	10	µg/L	100.0		77.4	40-140	4.50	20	
Fluoranthene	73.4	5.0	µg/L	100.0		73.4	40-140	3.76	20	
Fluorene	77.9	5.0	µg/L	100.0		77.9	40-140	4.80	20	
Hexachlorobenzene	81.8	10	µg/L	100.0		81.8	40-140	6.54	20	
Hexachlorobutadiene	75.0	10	µg/L	100.0		75.0	40-140	3.59	20	
Hexachlorocyclopentadiene	91.8	10	µg/L	100.0		91.8	30-140	3.23	50	† ‡
Hexachloroethane	76.9	10	µg/L	100.0		76.9	40-140	9.76	50	‡
Indeno(1,2,3-cd)pyrene	79.3	5.0	µg/L	100.0		79.3	40-140	0.518	50	‡
Isophorone	87.9	10	µg/L	100.0		87.9	40-140	7.75	20	
1-Methylnaphthalene	75.3	5.0	µg/L	100.0		75.3	40-140	6.33	20	
2-Methylnaphthalene	70.8	5.0	µg/L	100.0		70.8	40-140	5.78	20	
2-Methylphenol	67.0	10	µg/L	100.0		67.0	30-130	6.70	20	
3/4-Methylphenol	65.0	10	µg/L	100.0		65.0	30-130	9.09	20	
Naphthalene	78.4	5.0	µg/L	100.0		78.4	40-140	7.44	20	
2-Nitroaniline	82.6	10	µg/L	100.0		82.6	40-140	7.75	20	
3-Nitroaniline	75.1	10	µg/L	100.0		75.1	40-140	0.0400	20	
4-Nitroaniline	67.9	10	µg/L	100.0		67.9	40-140	5.06	20	
Nitrobenzene	82.9	10	µg/L	100.0		82.9	40-140	8.54	20	
2-Nitrophenol	82.3	10	µg/L	100.0		82.3	30-130	6.84	20	
4-Nitrophenol	37.5	10	µg/L	100.0		37.5	10-130	0.589	50	† ‡
N-Nitrosodiphenylamine/Diphenylamine	88.8	10	µg/L	100.0		88.8	40-140	5.90	20	
N-Nitrosodi-n-propylamine	75.6	10	µg/L	100.0		75.6	40-140	4.49	20	
Pentachlorophenol	67.4	10	µg/L	100.0		67.4	30-130	6.07	50	‡
Phenanthrene	83.2	5.0	µg/L	100.0		83.2	40-140	5.11	20	
Phenol	37.2	10	µg/L	100.0		37.2	20-130	3.03	20	†
Pyrene	99.7	5.0	µg/L	100.0		99.7	40-140	6.46	20	
Pyridine	34.4	20	µg/L	100.0		34.4	10-140	28.8	50	† ‡
1,2,4,5-Tetrachlorobenzene	82.3	10	µg/L	100.0		82.3	40-140	6.03	20	
2,4,5-Trichlorophenol	86.5	10	µg/L	100.0		86.5	30-130	9.51	20	
2,4,6-Trichlorophenol	83.5	10	µg/L	100.0		83.5	30-130	5.66	50	‡
Surrogate: 2-Fluorophenol	227		µg/L	400.0		56.6	15-110			
Surrogate: Phenol-d6	158		µg/L	400.0		39.6	15-110			
Surrogate: Nitrobenzene-d5	179		µg/L	200.0		89.3	30-130			
Surrogate: 2-Fluorobiphenyl	173		µg/L	200.0		86.3	30-130			
Surrogate: 2,4,6-Tribromophenol	321		µg/L	400.0		80.3	15-110			
Surrogate: p-Terphenyl-d14	211		µg/L	200.0		106	30-130			

**QUALITY CONTROL**

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B415031 - SW-846 3510C</b>										
<b>Blank (B415031-BLK1)</b>										
Prepared: 10/09/25 Analyzed: 10/13/25										
1,4-Dioxane	ND	0.20	µg/L							
Surrogate: 1,4-Dioxane-d8	3.27		µg/L	10.00		32.7	15-110			
<b>LCS (B415031-BS1)</b>										
Prepared: 10/09/25 Analyzed: 10/13/25										
1,4-Dioxane	8.05	0.20	µg/L	10.00		80.5	40-140			
Surrogate: 1,4-Dioxane-d8	3.15		µg/L	10.00		31.5	15-110			
<b>LCS Dup (B415031-BSD1)</b>										
Prepared: 10/09/25 Analyzed: 10/13/25										
1,4-Dioxane	8.83	0.20	µg/L	10.00		88.3	40-140	9.25	30	
Surrogate: 1,4-Dioxane-d8	3.34		µg/L	10.00		33.4	15-110			

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B415105 - EPA 1633</b>										
<b>Blank (B415105-BLK1)</b>										
					Prepared: 10/22/25 Analyzed: 10/23/25					
Perfluorobutanoic acid (PFBA)	ND	5.96	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	2.98	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.49	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.49	ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.49	ng/L							
Perfluorononanoic acid (PFNA)	ND	1.49	ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.49	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.49	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.49	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	1.49	ng/L							
Perfluorotetradecanoic acid (PFTeDA)	ND	1.49	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	1.49	ng/L							
Perfluoropentanesulfonic acid (PFPeS)	ND	1.49	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.49	ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.49	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.49	ng/L							
Perfluorononanesulfonic acid (PFNS)	ND	1.49	ng/L							
Perfluorodecanesulfonic acid (PFDS)	ND	1.49	ng/L							
Perfluorododecanesulfonic acid (PFDoS)	ND	1.49	ng/L							
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	5.96	ng/L							
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	5.96	ng/L							
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	5.96	ng/L							
Perfluorooctanesulfonamide (PFOSA)	ND	1.49	ng/L							
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	1.49	ng/L							
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.49	ng/L							
N-MeFOSAA (NMeFOSAA)	ND	1.49	ng/L							
N-EtFOSAA (NEtFOSAA)	ND	1.49	ng/L							
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	14.9	ng/L							
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	14.9	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	5.96	ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	5.96	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	5.96	ng/L							
11Cl-PF3OUdS (F53B Major)	ND	5.96	ng/L							
3-Perfluoropropyl propanoic acid (FPPrPA) (3:3FTCA)	ND	7.44	ng/L							
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	ND	37.2	ng/L							
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	37.2	ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	2.98	ng/L							
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.98	ng/L							
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	2.98	ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.98	ng/L							
Surrogate: 13C4-PFBA	155		ng/L	148.9		104	5-130			

**QUALITY CONTROL**

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B415105 - EPA 1633**

**Blank (B415105-BLK1)**

Prepared: 10/22/25 Analyzed: 10/23/25

Surrogate: 13C5-PFPeA	80.2		ng/L	74.44		108	40-130			
Surrogate: 13C5-PFHxA	39.3		ng/L	37.22		106	40-130			
Surrogate: 13C4-PFHpA	39.6		ng/L	37.22		106	40-130			
Surrogate: 13C8-PFOA	40.4		ng/L	37.22		109	40-130			
Surrogate: 13C9-PFNA	19.1		ng/L	18.61		103	40-130			
Surrogate: 13C6-PFDA	18.0		ng/L	18.61		96.7	40-130			
Surrogate: 13C7-PFUnA	15.3		ng/L	18.61		82.5	30-130			
Surrogate: 13C2-PFDoA	15.6		ng/L	18.61		83.7	10-130			
Surrogate: 13C2-PFTeDA	13.7		ng/L	18.61		73.7	10-130			
Surrogate: 13C3-PFBS	36.8		ng/L	37.22		98.9	40-135			
Surrogate: 13C3-PFHxS	38.9		ng/L	37.22		104	40-130			
Surrogate: 13C8-PFOS	34.4		ng/L	37.22		92.6	40-130			
Surrogate: 13C2-4:2FTS	65.8		ng/L	74.44		88.4	40-200			
Surrogate: 13C2-6:2FTS	80.6		ng/L	74.44		108	40-200			
Surrogate: 13C2-8:2FTS	63.6		ng/L	74.44		85.4	40-300			
Surrogate: 13C8-PFOA	33.7		ng/L	37.22		90.5	40-130			
Surrogate: D3-NMeFOSA	30.5		ng/L	37.22		82.1	10-130			
Surrogate: D5-NEtFOSA	29.6		ng/L	37.22		79.4	10-130			
Surrogate: D3-NMeFOSAA	67.3		ng/L	74.44		90.4	40-170			
Surrogate: D5-NEtFOSAA	63.4		ng/L	74.44		85.1	25-135			
Surrogate: D7-NMeFOSE	313		ng/L	372.2		84.1	10-130			
Surrogate: D9-NEtFOSE	314		ng/L	372.2		84.3	10-130			
Surrogate: 13C3-HFPO-DA	164		ng/L	148.9		110	40-130			

**LCS (B415105-BS1)**

Prepared: 10/22/25 Analyzed: 10/23/25

Perfluorobutanoic acid (PFBA)	139	5.97	ng/L	149.2		93.1	70-140			
Perfluoropentanoic acid (PFPeA)	72.1	2.98	ng/L	74.59		96.6	65-135			
Perfluorohexanoic acid (PFHxA)	35.3	1.49	ng/L	37.29		94.6	70-145			
Perfluoroheptanoic acid (PFHpA)	37.1	1.49	ng/L	37.29		99.4	70-150			
Perfluorooctanoic acid (PFOA)	35.9	1.49	ng/L	37.29		96.2	70-150			
Perfluorononanoic acid (PFNA)	34.1	1.49	ng/L	37.29		91.3	70-150			
Perfluorodecanoic acid (PFDA)	35.7	1.49	ng/L	37.29		95.6	70-140			
Perfluoroundecanoic acid (PFUnA)	36.7	1.49	ng/L	37.29		98.5	70-145			
Perfluorododecanoic acid (PFDoA)	35.9	1.49	ng/L	37.29		96.4	70-140			
Perfluorotridecanoic acid (PFTrDA)	33.3	1.49	ng/L	37.29		89.2	65-140			
Perfluorotetradecanoic acid (PFTeDA)	35.4	1.49	ng/L	37.29		94.9	60-140			
Perfluorobutanesulfonic acid (PFBS)	31.7	1.49	ng/L	33.12		95.8	60-145			
Perfluoropentanesulfonic acid (PFPeS)	34.4	1.49	ng/L	35.06		98.0	65-140			
Perfluorohexanesulfonic acid (PFHxS)	31.2	1.49	ng/L	34.01		91.7	65-145			
Perfluoroheptanesulfonic acid (PFHpS)	38.4	1.49	ng/L	35.50		108	70-150			
Perfluorooctanesulfonic acid (PFOS)	32.3	1.49	ng/L	34.61		93.4	55-150			
Perfluorononanesulfonic acid (PFNS)	31.3	1.49	ng/L	35.80		87.5	65-145			
Perfluorodecanesulfonic acid (PFDS)	24.5	1.49	ng/L	35.95		68.1	60-145			
Perfluorododecanesulfonic acid (PFDoS)	22.7	1.49	ng/L	36.10		63.0	50-145			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	140	5.97	ng/L	139.8		100	70-145			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	131	5.97	ng/L	141.9		92.6	65-155			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	152	5.97	ng/L	143.2		106	60-150			
Perfluorooctanesulfonamide (PFOSA)	36.6	1.49	ng/L	37.29		98.0	70-145			
N-methyl perfluorooctanesulfonamide (NMeFOSA)	34.9	1.49	ng/L	37.29		93.6	60-150			

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**QUALITY CONTROL**

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B415105 - EPA 1633**

**LCS (B415105-BS1)**

Prepared: 10/22/25 Analyzed: 10/23/25

N-ethyl perfluorooctanesulfonamide (NEtFOSA)	35.9	1.49	ng/L	37.29		96.3	65-145			
N-MeFOSAA (NMeFOSAA)	37.1	1.49	ng/L	37.29		99.6	50-140			
N-EtFOSAA (NEtFOSAA)	36.3	1.49	ng/L	37.29		97.4	70-145			
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	374	14.9	ng/L	372.9		100	70-145			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	366	14.9	ng/L	372.9		98.3	70-135			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	145	5.97	ng/L	149.2		96.9	70-140			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	143	5.97	ng/L	141.0		101	65-145			
9Cl-PF3ONS (F53B Minor)	144	5.97	ng/L	139.2		104	70-155			
11Cl-PF3OUdS (F53B Major)	102	5.97	ng/L	138.7		73.8	55-160			
3-Perfluoropropyl propanoic acid (FPPrPA) (3:3FTCA)	163	7.46	ng/L	186.5		87.2	65-130			
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA) (5:3FTCA)	894	37.3	ng/L	932.3		95.9	70-135			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	842	37.3	ng/L	932.3		90.4	50-145			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	64.2	2.98	ng/L	66.53		96.5	70-140			
Perfluoro-3-methoxypropanoic acid (PFMPA)	67.3	2.98	ng/L	74.59		90.2	55-140			
Perfluoro-4-methoxybutanoic acid (PFMBA)	71.7	2.98	ng/L	74.59		96.2	60-150			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	70.3	2.98	ng/L	74.59		94.3	50-150			
Surrogate: 13C4-PFBA	145		ng/L	149.2		97.3	5-130			
Surrogate: 13C5-PFPeA	70.9		ng/L	74.59		95.0	40-130			
Surrogate: 13C5-PFHxA	35.7		ng/L	37.29		95.8	40-130			
Surrogate: 13C4-PFHpA	34.9		ng/L	37.29		93.6	40-130			
Surrogate: 13C8-PFOA	32.6		ng/L	37.29		87.4	40-130			
Surrogate: 13C9-PFNA	17.1		ng/L	18.65		91.9	40-130			
Surrogate: 13C6-PFDA	15.3		ng/L	18.65		81.8	40-130			
Surrogate: 13C7-PFUnA	12.3		ng/L	18.65		65.7	30-130			
Surrogate: 13C2-PFDoA	10.5		ng/L	18.65		56.1	10-130			
Surrogate: 13C2-PFTeDA	9.11		ng/L	18.65		48.9	10-130			
Surrogate: 13C3-PFBS	34.3		ng/L	37.29		91.9	40-135			
Surrogate: 13C3-PFHxS	34.3		ng/L	37.29		92.0	40-130			
Surrogate: 13C8-PFOS	28.4		ng/L	37.29		76.2	40-130			
Surrogate: 13C2-4:2FTS	61.5		ng/L	74.59		82.5	40-200			
Surrogate: 13C2-6:2FTS	72.2		ng/L	74.59		96.9	40-200			
Surrogate: 13C2-8:2FTS	55.9		ng/L	74.59		74.9	40-300			
Surrogate: 13C8-PFOSA	26.3		ng/L	37.29		70.5	40-130			
Surrogate: D3-NMeFOSA	23.1		ng/L	37.29		62.0	10-130			
Surrogate: D5-NEtFOSA	20.1		ng/L	37.29		53.8	10-130			
Surrogate: D3-NMeFOSAA	54.2		ng/L	74.59		72.7	40-170			
Surrogate: D5-NEtFOSAA	46.5		ng/L	74.59		62.3	25-135			
Surrogate: D7-NMeFOSE	172		ng/L	372.9		46.2	10-130			
Surrogate: D9-NEtFOSE	161		ng/L	372.9		43.1	10-130			
Surrogate: 13C3-HFPO-DA	147		ng/L	149.2		98.4	40-130			

**MRL Check (B415105-MRL1)**

Prepared: 10/22/25 Analyzed: 10/24/25

Perfluorobutanoic acid (PFBA)	9.43	5.66	ng/L	11.32		83.4	70-140			
Perfluoropentanoic acid (PFPeA)	4.59	2.83	ng/L	5.658		81.1	65-135			

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

**QUALITY CONTROL**

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B415105 - EPA 1633</b>										
<b>MRL Check (B415105-MRL1)</b>										
Prepared: 10/22/25 Analyzed: 10/24/25										
Perfluorohexanoic acid (PFHxA)	2.37	1.41	ng/L	2.829		83.7	70-145			
Perfluoroheptanoic acid (PFHpA)	2.29	1.41	ng/L	2.829		81.0	70-150			
Perfluorooctanoic acid (PFOA)	2.04	1.41	ng/L	2.829		72.1	70-150			
Perfluorononanoic acid (PFNA)	2.34	1.41	ng/L	2.829		82.7	70-150			
Perfluorodecanoic acid (PFDA)	2.42	1.41	ng/L	2.829		85.6	70-140			
Perfluoroundecanoic acid (PFUnA)	2.58	1.41	ng/L	2.829		91.2	70-145			
Perfluorododecanoic acid (PFDoA)	2.75	1.41	ng/L	2.829		97.2	70-140			
Perfluorotridecanoic acid (PFTrDA)	2.10	1.41	ng/L	2.829		74.1	65-140			
Perfluorotetradecanoic acid (PFTeDA)	2.41	1.41	ng/L	2.829		85.2	60-140			
Perfluorobutanesulfonic acid (PFBS)	2.05	1.41	ng/L	2.512		81.7	60-145			
Perfluoropentanesulfonic acid (PFPeS)	2.27	1.41	ng/L	2.659		85.5	65-140			
Perfluorohexanesulfonic acid (PFHxS)	2.24	1.41	ng/L	2.580		86.9	65-145			
Perfluoroheptanesulfonic acid (PFHpS)	2.89	1.41	ng/L	2.693		107	70-150			
Perfluorooctanesulfonic acid (PFOS)	2.45	1.41	ng/L	2.625		93.4	55-150			
Perfluorononanesulfonic acid (PFNS)	2.16	1.41	ng/L	2.716		79.4	65-145			
Perfluorodecanesulfonic acid (PFDS)	1.93	1.41	ng/L	2.727		70.8	60-145			
Perfluorododecanesulfonic acid (PFDoS)	1.71	1.41	ng/L	2.738		62.6	50-145			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	9.15	5.66	ng/L	10.60		86.3	70-145			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	8.73	5.66	ng/L	10.76		81.1	65-155			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	9.17	5.66	ng/L	10.86		84.4	60-150			
Perfluorooctanesulfonamide (PFOSA)	2.45	1.41	ng/L	2.829		86.6	70-145			
N-methyl perfluorooctanesulfonamide (NMeFOSA)	2.37	1.41	ng/L	2.829		83.6	60-150			
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	2.34	1.41	ng/L	2.829		82.7	65-145			
N-MeFOSAA (NMeFOSAA)	2.72	1.41	ng/L	2.829		96.0	50-140			
N-EtFOSAA (NEtFOSAA)	2.26	1.41	ng/L	2.829		79.9	70-145			
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	24.2	14.1	ng/L	28.29		85.4	70-145			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	24.0	14.1	ng/L	28.29		84.8	70-135			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	9.50	5.66	ng/L	11.32		83.9	70-140			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	9.13	5.66	ng/L	10.69		85.3	65-145			
9Cl-PF3ONS (F53B Minor)	10.6	5.66	ng/L	10.56		100	70-155			
11Cl-PF3OUdS (F53B Major)	7.92	5.66	ng/L	10.52		75.3	55-160			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	12.8	7.07	ng/L	14.14		90.6	65-130			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	75.8	35.4	ng/L	70.72		107	70-135			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	94.4	35.4	ng/L	70.72		133	50-145			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	4.52	2.83	ng/L	5.047		89.6	70-140			
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.35	2.83	ng/L	5.658		76.9	55-140			
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.55	2.83	ng/L	5.658		80.3	60-150			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.23	2.83	ng/L	5.658		74.8	50-150			
Surrogate: 13C4-PFBA	140		ng/L	141.4		98.9	5-130			
Surrogate: 13C5-PFPeA	71.1		ng/L	70.72		101	40-130			
Surrogate: 13C5-PFHxA	34.6		ng/L	35.36		98.0	40-130			

**QUALITY CONTROL**

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B415105 - EPA 1633**

**MRL Check (B415105-MRL1)**

Prepared: 10/22/25 Analyzed: 10/24/25

Surrogate: 13C4-PFHpA	36.4		ng/L	35.36		103	40-130			
Surrogate: 13C8-PFOA	33.5		ng/L	35.36		94.6	40-130			
Surrogate: 13C9-PFNA	16.3		ng/L	17.68		92.3	40-130			
Surrogate: 13C6-PFDA	15.3		ng/L	17.68		86.3	40-130			
Surrogate: 13C7-PFUnA	13.5		ng/L	17.68		76.3	30-130			
Surrogate: 13C2-PFDoA	11.3		ng/L	17.68		63.9	10-130			
Surrogate: 13C2-PFTeDA	9.37		ng/L	17.68		53.0	10-130			
Surrogate: 13C3-PFBS	30.7		ng/L	35.36		86.8	40-135			
Surrogate: 13C3-PFHxS	33.3		ng/L	35.36		94.2	40-130			
Surrogate: 13C8-PFOS	29.5		ng/L	35.36		83.3	40-130			
Surrogate: 13C2-4:2FTS	67.9		ng/L	70.72		96.0	40-200			
Surrogate: 13C2-6:2FTS	71.5		ng/L	70.72		101	40-200			
Surrogate: 13C2-8:2FTS	62.6		ng/L	70.72		88.6	40-300			
Surrogate: 13C8-PFOSA	33.8		ng/L	35.36		95.7	40-130			
Surrogate: D3-NMeFOSA	28.4		ng/L	35.36		80.2	10-130			
Surrogate: D5-NEtFOSA	28.1		ng/L	35.36		79.4	10-130			
Surrogate: D3-NMeFOSAA	55.9		ng/L	70.72		79.0	40-170			
Surrogate: D5-NEtFOSAA	42.3		ng/L	70.72		59.8	25-135			
Surrogate: D7-NMeFOSE	246		ng/L	353.6		69.6	10-130			
Surrogate: D9-NEtFOSE	249		ng/L	353.6		70.4	10-130			
Surrogate: 13C3-HFPO-DA	144		ng/L	141.4		102	40-130			

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
H-06	Sample was extracted past the recommended holding time.
H-10	Analysis was requested after the recommended holding time had passed.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
MS-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
MS-15	Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.
MS-24	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.
PF-22	Qualifier ion ratio >150% of associated calibration. Detection is suspect.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b><i>EPA 1633A in Water</i></b>	
Perfluorobutanoic acid (PFBA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluoropentanoic acid (PFPeA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorohexanoic acid (PFHxA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluoroheptanoic acid (PFHpA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorooctanoic acid (PFOA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorononanoic acid (PFNA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorodecanoic acid (PFDA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluoroundecanoic acid (PFUnA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorododecanoic acid (PFDoA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorotridecanoic acid (PFTrDA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorotetradecanoic acid (PFTeDA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorobutanesulfonic acid (PFBS)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluoropentanesulfonic acid (PFPeS)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorohexanesulfonic acid (PFHxS)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluoroheptanesulfonic acid (PFHpS)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorooctanesulfonic acid (PFOS)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorononanesulfonic acid (PFNS)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorodecanesulfonic acid (PFDS)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorododecanesulfonic acid (PFDoS)	NY,NH,VA,PA,WV,LA,ME,CT
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	NY,NH,VA,PA,WV,LA,ME,CT
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	NY,NH,VA,PA,WV,LA,ME,CT
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorooctanesulfonamide (PFOSA)	NY,NH,VA,PA,WV,LA,ME,CT
N-methyl perfluorooctanesulfonamide (NMeFOSA)	NY,NH,VA,PA,WV,LA,ME,CT
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	NY,NH,VA,PA,WV,LA,ME,CT
N-MeFOSAA (NMeFOSAA)	NY,NH,VA,PA,WV,LA,ME,CT
N-EtFOSAA (NEtFOSAA)	NY,NH,VA,PA,WV,LA,ME,CT
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	NY,NH,VA,PA,WV,LA,ME,CT
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	NY,NH,VA,PA,WV,LA,ME,CT
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NY,NH,VA,PA,WV,LA,ME,CT
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NY,NH,VA,PA,WV,LA,ME,CT
9Cl-PF3ONS (F53B Minor)	NY,NH,VA,PA,WV,LA,ME,CT
11Cl-PF3OUdS (F53B Major)	NY,NH,VA,PA,WV,LA,ME,CT
3-Perfluoropropyl propanoic acid (FPrPA)(3:3FTCA)	NY,NH,VA,PA,WV,LA,ME,CT
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	NY,NH,VA,PA,WV,LA,ME,CT
3-Perfluoroheptyl propanoic acid (FHpPA)(7:3FTCA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluoro-3-methoxypropanoic acid (PFMPA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluoro-4-methoxybutanoic acid (PFMBA)	NY,NH,VA,PA,WV,LA,ME,CT
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NY,NH,VA,PA,WV,LA,ME,CT
<b><i>SW-846 8260D in Water</i></b>	
Acetone	CT,ME,NH,VA,NY,NJ
Benzene	CT,ME,NH,VA,NY,NJ
Bromochloromethane	ME,NH,VA,NY,NJ
Bromodichloromethane	CT,ME,NH,VA,NY,NJ
Bromoform	CT,ME,NH,VA,NY,NJ

**CERTIFICATIONS**

**Certified Analyses included in this Report**

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

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 8260D in Water</b>	
1,1,2-Trichloroethane	CT,ME,NH,VA,NY,NJ
Trichloroethylene	CT,ME,NH,VA,NY,NJ
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY,NJ
1,2,3-Trichloropropane	ME,NH,VA,NY,NJ
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY,NJ
1,2,4-Trimethylbenzene	ME,VA,NY,NJ
1,3,5-Trimethylbenzene	ME,VA,NY,NJ
Vinyl Chloride	CT,ME,NH,VA,NY,NJ
m+p Xylene	CT,ME,NH,VA,NY,NJ
o-Xylene	CT,ME,NH,VA,NY,NJ
Xylenes (total)	ME,NY,NJ
<b>SW-846 8270E in Water</b>	
1,4-Dioxane	NY,NH,NJ
Acenaphthene	CT,NY,NC,ME,NH,VA
Acenaphthylene	CT,NY,NC,ME,NH,VA
Acetophenone	NY,NC
Aniline	CT,NY,NC,ME,VA
Anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)pyrene	CT,NY,NC,ME,NH,VA
Benzo(b)fluoranthene	CT,NY,NC,ME,NH,VA
Benzo(g,h,i)perylene	CT,NY,NC,ME,NH,VA
Benzo(k)fluoranthene	CT,NY,NC,ME,NH,VA
Bis(2-chloroethoxy)methane	CT,NY,NC,ME,NH,VA
Bis(2-chloroethyl)ether	CT,NY,NC,ME,NH,VA
2,2'-oxybis(1-Chloropropane)	CT,NY,NC,ME,NH,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NC,ME,NH,VA
4-Bromophenylphenylether	CT,NY,NC,ME,NH,VA
Butylbenzylphthalate	CT,NY,NC,ME,NH,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NC,ME,NH,VA
4-Chloro-3-methylphenol	CT,NY,NC,ME,NH,VA
2-Chloronaphthalene	CT,NY,NC,ME,NH,VA
2-Chlorophenol	CT,NY,NC,ME,NH,VA
4-Chlorophenylphenylether	CT,NY,NC,ME,NH,VA
Chrysene	CT,NY,NC,ME,NH,VA
Dibenz(a,h)anthracene	CT,NY,NC,ME,NH,VA
Dibenzofuran	CT,NY,NC,ME,NH,VA
Di-n-butylphthalate	CT,NY,NC,ME,NH,VA
1,2-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,3-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,4-Dichlorobenzene	CT,NY,NC,ME,NH,VA
3,3-Dichlorobenzidine	CT,NY,NC,ME,NH,VA
2,4-Dichlorophenol	CT,NY,NC,ME,NH,VA
Diethylphthalate	CT,NY,NC,ME,NH,VA
2,4-Dimethylphenol	CT,NY,NC,ME,NH,VA

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<i>SW-846 8270E in Water</i>	
Dimethylphthalate	NC
4,6-Dinitro-2-methylphenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrophenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrotoluene	CT,NY,NC,ME,NH,VA
2,6-Dinitrotoluene	CT,NY,NC,ME,NH,VA
Di-n-octylphthalate	CT,NY,NC,ME,NH,VA
Fluoranthene	CT,NY,NC,ME,NH,VA
Fluorene	NY,NC,ME,NH,VA
Hexachlorobenzene	CT,NY,NC,ME,NH,VA
Hexachlorobutadiene	CT,NY,NC,ME,NH,VA
Hexachlorocyclopentadiene	CT,NY,NC,ME,NH,VA
Hexachloroethane	CT,NY,NC,ME,NH,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NC,ME,NH,VA
Isophorone	CT,NY,NC,ME,NH,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NC,ME,NH,VA
2-Methylphenol	CT,NY,NC,NH,VA
3/4-Methylphenol	CT,NY,NC,NH,VA
Naphthalene	CT,NY,NC,ME,NH,VA
2-Nitroaniline	CT,NY,NC,ME,NH,VA
3-Nitroaniline	CT,NY,NC,ME,NH,VA
4-Nitroaniline	CT,NY,NC,ME,NH,VA
Nitrobenzene	CT,NY,NC,ME,NH,VA
2-Nitrophenol	CT,NY,NC,ME,NH,VA
4-Nitrophenol	CT,NY,NC,ME,NH,VA
N-Nitrosodi-n-propylamine	CT,NY,NC,ME,NH,VA
Pentachlorophenol	CT,NY,NC,ME,NH,VA
Phenanthrene	CT,NY,NC,ME,NH,VA
Phenol	CT,NY,NC,ME,NH,VA
Pyrene	CT,NY,NC,ME,NH,VA
Pyridine	CT,NY,NC,ME,NH,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NC,ME,NH,VA
2,4,5-Trichlorophenol	CT,NY,NC,ME,NH,VA
2,4,6-Trichlorophenol	CT,NY,NC,ME,NH,VA
2-Fluorophenol	NC



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

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2026
NY	New York State Department of Health	10899 NELAP	04/1/2026
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2026
NC	North Carolina Div. of Water Quality	652	12/31/2025
NJ	New Jersey DEP	MA007 NELAP	06/30/2026
ME	State of Maine	MA00100	06/9/2027
VA	Commonwealth of Virginia	460217	12/14/2025
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2026
WV	West Virginia DEP Division of Water and Waste Management	419	08/31/2026
LA	State of Louisiana Dept. of Env. Quality Office of Env. Services	05130	06/30/2026





